Mock Test Paper

WBCS, Main 2019

- Paper-I
- Paper-II
- Paper-III
- Paper-IV
- Paper-V
- Paper-VI

In Defence of The Indefensible
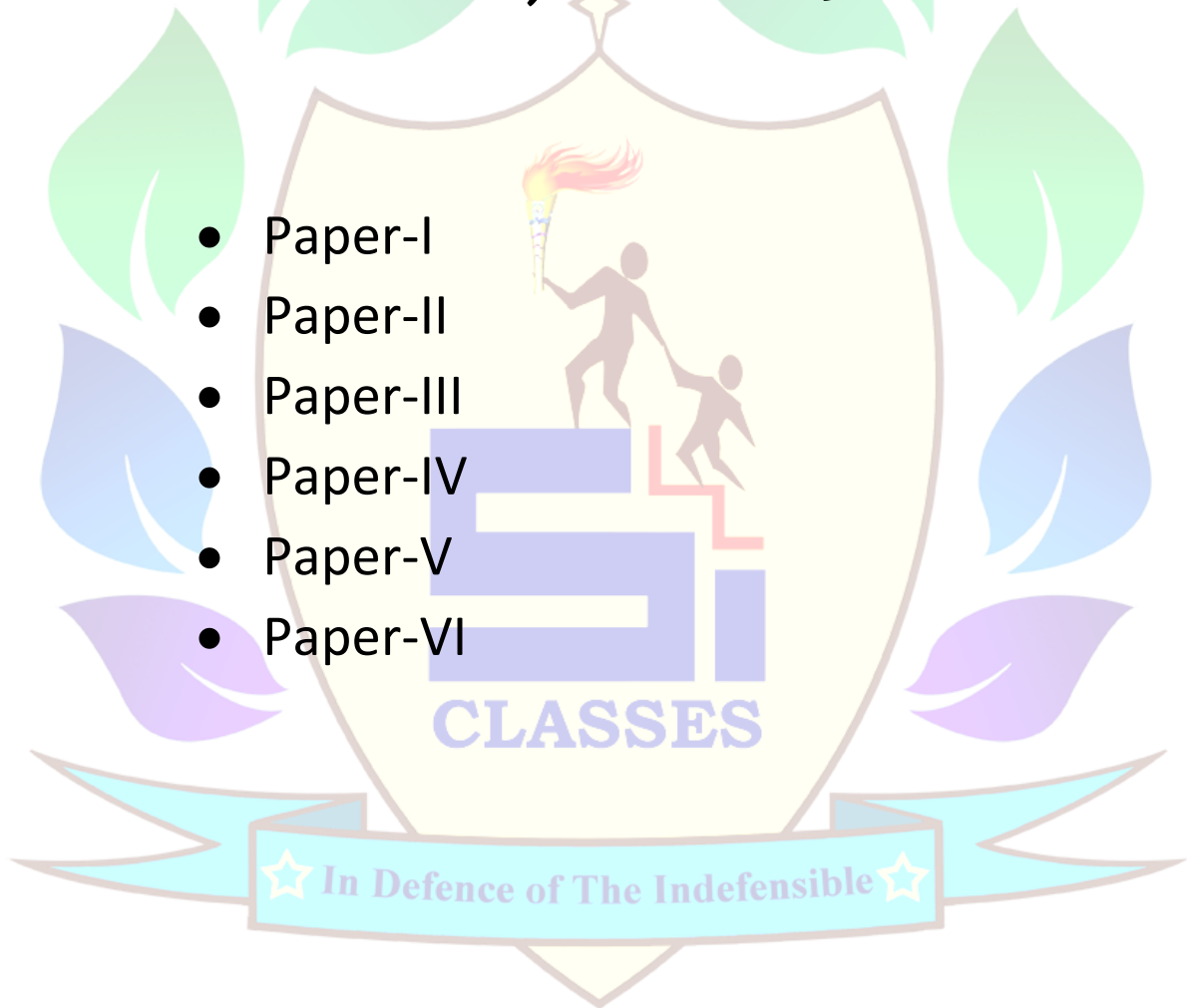
Conducted by **SI Classes**

MOCK TEST: WBCS, MAIN-2019

Test Code: M1917

BENGALI LETTER WRITING, DRAFTING OF REPORT, PRECIS WRITING,
COMPOSITION AND TRANSLATION

TIME ALLOWED: 3 HOURS

FULL MARKS: 200

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining once ignored.

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1. নিজের পরিচয় বিবৃত না করে নিম্নলিখিত বিষয়ে আপনার অভিমত কোন বাংলা **দৈনিক পত্রিকার সম্পাদকের** কাছে অনধিক ১৫০ টি শব্দে **পত্রাকারে** বিবৃত করুনঃ- 40
   "শিশু মনের বিকার- হারিয়ে যাচ্ছে শৈশব"।

2. সম্প্রতি রাজ্যে চিকিৎসকদের ধর্মঘট নিয়ে একটি **সম্পাদকীয় প্রতিবেদনে** লিখুন। (২০০ শব্দের মধ্যে লিখিতে হবে) 40

3. **নিম্নলিখিত অংশের সারমর্ম লিখুন।** 40

   আমরা একটি পরবাসী। দেশে জন্মালেই আপন হয় না। যতক্ষণ দেশকে না জানি, যতক্ষণ তাকে নিজের শক্তিতে জয় না করি, ততক্ষণ সে দেশ আপনার নয়। আমার এই দেশকে আমি জয় করিনি। দেশে অনেক জড় পদার্থ আছে, আমরা তাদেরই প্রতিবেশী; দেশ যেমন এই সব বস্তুপিণ্ডের নয়, দেশ তেমনি আমাদেরও নয়। এরই নাম জড়ত্ব - একেই বলে মোহ। যে মোহাভিভূত সেই তো চির-প্রবাসী। সে জানে না সে কোথায় আছে। সে জানে না তার সত্য সম্বন্ধ কার সঙ্গে। বাহিরের সহায়তার দ্বারা নিজের সত্য বস্তু কখনই পাওয়া যায় না। আমার দেশ আর কেউ আমাকে দিতে পারে না। নিজের সমস্ত ধন-জন প্রাণ নিয়ে দেশকে যখনই আপন বলে জানতে পারব তখনই দেশ আমার স্বদেশ হবে। পরবাসী স্বদেশে যে ফিরছি তার লক্ষণ এই যে, দেশের প্রাণকে নিজের প্রাণ জানি। পাশে প্রত্যহ মরছে দেশের লোক রোগে ও উপবাসে, আর আমি পরের উপর সমস্ত দোষ চাপিয়ে মঞ্চের উপর দেশত্ববোধের বাগবিস্তার করছি। এত বড় অবাস্তব অপদার্থতা আর কিছুই হতে পারে না।

4. **অনুচ্ছেদটি পাঠ করে তার ভিত্তিতে নিম্নলিখিত প্রশ্নগুলির উত্তর দিন।** 40

   জগৎ ও জীবনের রহস্য পরমতম সত্য। আধ্যাত্মিক উন্নয়ন ও বিশ্বসৃষ্টির মূলীভূত শক্তির সন্ধানে মানুষ ঈশ্বরের শরণাপন্ন নয়। সৃষ্টির আদিম ক্ষণ থেকে মানুষ এক অতিলৌকিক শক্তিকে ঈশ্বরের মর্যাদায় উন্নীত করেছে। এই শক্তিকে বিশ্বনিয়ন্তা ও অবিনাশী শক্তি বলা হয়েছে। মানুষ মনে করে যে তিনিই বিশ্বস্রষ্টা। তিনি স্বয়ম্ভূ; তিনি বাক্য, মন, ও চক্ষুর অগোচর। মানুষ তাই ঈশ্বরকে খুঁজে বেড়ায় দেবালয়ে অর্থাৎ মন্দির, মসজিদ, গির্জা প্রভৃতি স্থানে। মানুষ ভাবে যে ঐ সমস্ত স্থানেই ঈশ্বরের বসবাস।

   কিন্তু বাস্তব বুদ্ধি দিয়ে বিচার করলে দেখা যায় যে, জীবের মধ্যেই ঈশ্বরের বাস। ঈশ্বর কে পেতে মন্দির, মসজিদে যাবার প্রয়োজন নেই, জীবকে আন্তরিকতার সঙ্গে সেবা করলেই প্রকৃতভাবে ঈশ্বরের সেবা করা হয়। তথাপি কিছু মানুষ আছে যারা আনুষ্ঠানিক ধর্মাচরণ, পূজা মন্ত্র, আরাধনা ইত্যাদির মাধ্যমে ঈশ্বর লাভে তৎপর হয়। কিন্তু জীবকে অবজ্ঞা করে, মানুষের নারায়ণকে উপেক্ষা করে কখনোই ঈশ্বরের অনুসন্ধান সার্থক হতে পারে না। যুগে যুগে বহু মনীষী জীবসেবাকেই ঈশ্বর প্রাপ্তির চরম উপায় বলে নির্দেশ করে গিয়েছেন। আর্তের সেবা, অসহায়ের উদ্ধার, পীড়িতের শুশ্রূষা, সর্বোপরি

জাতি-ধর্ম-বর্ণ নির্বিশেষে জীবের প্রতি প্রীতি প্রদর্শন করাই ঈশ্বর লাভের শ্রেষ্ঠ উপায় । জীবের মধ্য দিয়ে ঈশ্বরের প্রকাশ । অতএব জীবসেবাতেই ঈশ্বর পরিস্ফুট হয় ।

প্রতিটি মানুষের উচিত অপরকে ভালোবাসা, অপরকে সেবা করা । সেবাই হল ঈশ্বর সাধনার প্রধান পথ । যেদিন মানুষ জীবসেবাকেই ঈশ্বর সেবার প্রধান পথ হিসাবে বেছে নেবে সেদিন মানুষ প্রকৃত ঈশ্বরের সন্ধান পাবে ।

নিম্নলিখিত প্রশ্নগুলির উত্তর দিন। 4X10
ক। মানুষের কাছে ঈশ্বরের স্বরূপ কি?
খ। মানুষ ঈশ্বরকে কোথায় খোঁজে এবং কেন?
গ। "জীবের মধ্য দিয়ে ঈশ্বরের প্রকাশ"- বাক্যটির মর্মার্থ কি?
ঘ। প্রকৃত অর্থে ঈশ্বরের সন্ধান কিভাবে পাওয়া যাবে?

5. **নিম্নলিখিত অনুচ্ছেদটির বঙ্গানুবাদ করুন।** 40

Basil Hallward turned pale and caught his hand. "Dorian! Dorian !" he cried, "don't talk like that. I have never had such a friend as you and I shall never have such another. You are not jealous of material things, are you?"
—"I am jealous of everything whose beauty does not die. I am jealous of the portrait you have painted of me. Why should it keep what I must lost? Every moment that passes take's something from me and gives something to it. Oh. if it were only the other way ! If the picture could change, and I could be always what I am now! Why did you paint it? It will mock me someday ___ mock me horribly! "

MOCK TEST: WBCS, MAIN-2019   **Test Code: M1918**

ENGLISH LETTER WRITING, DRAFTING OF REPORT, PRECIS WRITING,
COMPOSITION AND TRANSLATION

TIME ALLOWED: 3 HOURS   FULL MARKS: 200

If the questions attempted are in excess of the prescribed number, only the questions attempted first up to the prescribed number shall be valued and the remaining once ignored.

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1. **Write a letter** (within 150 words) to the Editor of a Newspaper on how *"Increasing number of Mob lynching in India leads to a dystopian society "*   40
   (Write X,Y,Z instead of your name and address)

2. **Draft a report** (within 200 words) on *"Cut Money Cry echoes across the state".* 40

3. **Write a Comprehension on the following topic:-**   40
   "Emerging Digital Markets: Issues & Challenges".

4. **Make a précis** of the following passage and add a suitable title.   40
   The Renaissance in India was not like the Renaissance in Europe. It was not a return to India of the past. It was essentially a matter of spirit which produced striking changes in the realm of religion, society and culture along with a demand for natural regeneration. There arose a new self-consciousness among the people of India. The soul of India began to unfold itself and break the shackles of the past. It is maintained that the Renaissance in India stirred the Indian soul to its very depths and Modern India owes everything to the Renaissance which was followed by reformation movements all over India. It also paved the way to national regeneration. The spirit of Renaissance and the subsequent reform movements affected almost all the aspects of national life. There were new developments in religious, social and political life. There were new trends in the fields of education, literature, fine arts and science.

   The view of Sir Jadunath Sarkar is that the Indian Renaissance was at first an intellectual awakening which profoundly affected our literature, education thought Sand art. In the next succeeding generation, it became a moral force and reformed the Indian society and religion. In the third generation it brought about the economic modernisation of India and ultimately political emancipation.

   In his book entitled, "The Renaissance in India". Sri Aurobindo has attempted an analysis of the Renaissance in India. He points out that the eighteenth and early go nineteenth centuries in India were periods of political decline, defeat and anarchy

which practically killed the creative spirit in religion and art. India began to imitate Europe and forgot her own achievements in the past. However, the life-breath of the nation moved as a subordinate undercurrent in the religious movement of Bengal and Punjab, in the political aspirations of Maharashtra and the literary activity of Bengal.

Aurobindo believed that the spiritual and intellectual advance of India was bound to come. To quote him, "The Renaissance in India is as inevitable as the rising of tomorrow's Sun and the Renaissance of a great nation of three hundred million with so peculiar a temperament, such unique traditions and ideas of life, so powerful an intelligence and so great a mass of potential energies cannot but be one of the most formidable phenomena of the modern world."   (385 words)

5. **Translate** the following passage into English.   40

হঠাৎ গোরার মুখ রক্তবর্ণ হইয়া তাহার কপালের শিরাগুলা ফুলিয়া উঠিল – সে দুই হাত মুঠা করিয়া এক জুড়িগাড়ির পিছনে ছুটিতে লাগিল এবং বজ্র গর্জনে সমস্ত রাস্তার লোককে চকিত করিয়া চিৎকার করিল , ' থামাও গাড়ি!'   একটা বলিষ্ঠ বাঙালী ফুলবাবু গাড়ি হাঁকাইতেছিল, সে একবার পিছন ফিরিয়া দেখিয়া দুই তেজস্বী ঘোড়াকে চাবুক কষাইয়া মুহূর্তের মধ্যে অদৃশ্য হইয়া গেল । এক জন বৃদ্ধ মুসলমান মাথায় এক–ঝাঁকা ফল সবজি আন্ডা রুটি মাখন প্রভৃতি আহার্য সামগ্রী লইয়া কোনো ইংরেজ প্রভুর পাকশালার অভিমুখে চলিতেছিল । ফুলবাবুটি তাহাকে গাড়ির সম্মুখ হইতে সরিয়া যাইবার জন্য হাঁকিয়াছিল,   বৃদ্ধ শুনিতে না পাওয়াতে গাড়ি প্রায় তাহার ঘাড়ের উপর আসিয়া পড়ে । কোনোমতে তাহার প্রাণ বাঁচিল কিন্তু ঝাঁকাসমেত জিনিস গুলো রাস্তায় গড়াগড়ি গেল এবং ক্রুদ্ধবাবু কোচবাক্স হইতে ফিরিয়া তাহাকে 'ড্যাম শুয়ার ' বলিয়া গালি দিয়া তাহার মুখের উপর সপাং করিয়া চাবুক বসাইয়া দিতে তাহার কপালে রক্তের রেখা দেখা দিল। বৃদ্ধ 'আল্লা' বলিয়া নিশ্বাস ফেলিয়া যে জিনিস গুলো নষ্ট হয় নাই তাহাই বাছিয়া ঝাঁকায় তুলিতে প্রবৃত হইল। গোরা ফিরিয়া আসিয়া বিকীর্ণ জিনিসগুলো নিজে কুড়াইয়া তাহার ঝাঁকায় উঠাইতে লাগিল ।

DO NOT OPEN THIS BOOKLET UNTILL YOU ARE ASKED TO DO SO

TEST BOOKLET

PAPER - III

Time allowed : 3 hours

Full marks : 200

Test Booklet Series

A

Answer all the questions.
Questions are of equal value.

Registration No :

Signature of the Candidate :

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 10 pages including this front page, containing 200 Questions. Verify the page Nos. and Test Booklets Series on each page and bring at once to the invigilator's notice any discrepancy.

2. Answers will have to be given in the special Answer-Sheet supplied for the purpose.

3. Before you proceed to mark in the Answer-Sheet in Response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**

4. All questions are of multiple-choice answer-type. You will *four* probable answers **(A), (B), (C) and (D)** against each question. Find out which of the four answers appears to be correct or the best. Now darken the oval corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the admit Card and in the Answer-Sheet.

5. If more than one oval is encoded for a particular answer, it will be treated as a wrong answer.

6. **There will be negative marking for wrong answers. $^1/_3$ mark will be deducted for each wrong answer.**

7. **There are blank pages at the backside of each pages of this booklet for Rough Work.**

8. **The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.**

Test Booklet Series
A

WBCS (Exe) Examination (Mains), 2019
MOCK TEST

Full Marks : 200   Test Code : M1919   Time : 3 hours

Answer all questions. Each question carries 1 mark. 1/3rd mark will be deducted for each wrong attempt.

1. Which of the following Chinese pilgrim gives account of the First Gupta Ruler?
   a) Fa Hien   b) Hiuen Tsang
   c) Itsing   d) None of the above

2. Which of the following terms is not associated with a tool tradition of ancient India / World?
   a) Mousterian   b) Acheulean
   c) Oldowan   d) Grotian

3. Which of the following is a correct statement about Indus Valley Civilization?
   a] Both Harappa and Mohejodero are is located on the banks of Indus River
   b] Both Chanhudaro and Kalibangan were located within the boundaries of present day Rajasthan.
   c) Both Surkotada and Dholavira are located in Kutchch of Gujarat
   d) Lothal site was located on bank of Narmada river

4. Which of the following is not an event in ancient Indian history in BC era?
   a) Foundation of the Indo-Greek empire
   b) Beginning of Vikram samvat
   c) Fourth Buddhist Council
   d) Hathigumpha inscription by Kharvela

5. Who assumed the title of 'Ksitipasatapatih' (Lord of hundred Kings)?
   a) Samudragupta   b) Chandragupta - I
   c) Skandagupta   d) Ashoka

6. Which one of the following dynasties ruled as the 'Delhi Sultanate' for a longer period of time ?
   a) Sayyid   b) Tughlaq
   c) Khilji   d) Lodhi

7. Among the following historical events, which one is chronological logically the first one ?
   a) Duplex becomes French Governor of Pondicherry
   b) First Fleet of Dutch reaching India
   c) Alfonso de Albuquerque becomes first Governor of Goa
   d) Constitution of English East India Company

8. Which one of the following Mahajanpadas is now not a part of India ?
   a) Panchal   b) Matsya
   c) Sursena   d) Gandhar

9. The book 'Vaipulyasutra' deals with which branch of Buddhism ?
   a) Hinayana   b) Mahayana
   c) Vajrayana   d) Jantrism

10. Which of the following areas was not conquered by Akbar ?
    a) Kashmir   b) Kandahar
    c) Orissa   d) Bidar

11. Which Mughal emperor enrolled Guru Govind Singh into Mughal service ?
    a) Bahadur Shah I   b) Jahandar Shah
    c) Farukh Siyyar   d) Mohammed Shah

12. Among the following historical events, which one is chronological the first one ?
    a) Cripps Mission comes to India
    b) Home Rule League
    c) Khilafat Movement
    d) Gandhi-Irwin Pact

13. Headless image of Kanishka, the Kushana emperor with long coat and tight trousers was recovered from
    a) Peshwar   b) Varanasi
    c) Sakala   d) Mathura

14. Consider the following events :
    1. Annexation of Udaipur
    2. Annexation of Jhansi
    3. Annexation of Punjab
    4. Annexation of Oudh
    The correct chronological sequence of these event is:
    a) 3-4-2-1   b) 2-1-3-4
    c) 2-4-3-1   d) 3-1-2-4

15. The Indus Valley people knew the use of
    a) Gold, tin, bronze but not copper
    b) Gold, silver, copper, bronze but not iron
    c) Copper, iron, gold but not bronze
    d) Silver, lead, iron but not gold

16. Who was the Guru of legendary musician Tansen ?
    a) Baiju Bawra   b) Haridasa Thakur
    c) Haridas Giri   d) Swami Haridas

17. Which one of the following historical events is the first to take place ?
    a) Indigo Revolt   b) Home Rule League
    c) Bengal Partition d) Jallianwala Bagh Massacre

18. Who was the founder of Ajeevika sect ?
    a) Makkali Gosala   b) Mahavira
    c) Vasudeva Krishna d) Suddhodana

19. Squinch system in architecture for supporting the dome was used for the first time in ?
    a) Iltutmish's tomb
    b) Alai Darwaza
    c) Ghiyasudding Tughlaq's tomb
    d) Humayun's tomb

20. Who led the salt March in Madras Presidency ?
    a) K. Kamraj b) C Rajagopalachari
    c) Vallabhbhai Patel d) Rajendra Prasad

21. Which of the following Vedic God/Goddess depicts an association with the sun ?
    a) Ashwini Kumars b) Pusan
    c) Indra d) Arnayani

22. Who was the first British Viceroy to begin the practice of shifting the entire government to Shimla from Calcutta during the summer season ?
    a) Charles Canning b) Edward Law
    c) George Barlow d) John Lawrence

23. Who invaded Ahmednagar ?
    a) Achyutta Raya b) Bukka Raya
    c) Krishnadeva Raya d) Rama Raya

24. The journal 'Bharat Sramjibi' was founded in –
    a) 1871 b) 1872
    c) 1874 d) 1875

25. Where did the Mahasamghika school arise ?
    a) Bodhgaya b) Rajagriha
    c) Sravasti d) Vaishali

26. When did Chola empire come to an end ?
    a) 1044 AD b) 1152 AD
    c) 1263 AD d) 1311 AD

27. Which of the following statements regarding Indus Valley Civilization is incorrect ?
    a) There was a great communal bath in Mohenjodaro.
    b) Excavations at Lothal proved that the civilization was confined to Harappa and Mohenjadaro only.
    c) The supreme god was the pipal God.
    d) People had great artistic sense.

28. Who among the following was a mathematician of Rajput age ?
    a) Vagbhata b) Vachaspati
    c) Haradatta d) Bhaskaracharya

29. Who became the king of Delhi in 1414 AD ?
    a) Bahlul Khan Lodhi b) Khizir Khan
    c) Sikandar Lodhi d) Ibrahim Lodhi

30. Who was the founder of the autonomous kingdom of Awadh or Oudh ?
    a) Safdar Jang b) Saadat Khan
    c) Shuja-ud-daula d) Asaf-ud-daula

31. Which Mughal Emperor's court poet was Mirza Ghalib?
    a) Akbar b) Bahadur Shah Zafar
    c) Mirza Mughal d) Aurangzeb

32. Who were the first teacher of Buddha, after his great renunciation ?
    a) Alara and Udduka b) Alara and Kalam
    c) Ananda and Asvaghosa
    d) Suriputan and Mogallana

33. Which one of the following is the most fundamental difference between Mahayana Buddhism and Hinayana Buddhism ?
    a) Emphasis on Ahimsa
    b) Casteless Society
    c) Worship of gods and goddess
    d) Worship of stupa

34. Who was bestowed with the title of Sahib-i-Alam Bahadur ?
    a) Azimullah Khan b) Sherbaz Khan
    c) Subedar Bakht Khan d) Zabita Khan

35. Who captured Kanpur from Nana Sahib ?
    a) Charles James Napier
    b) Colin Campbell
    c) Henry Havelock
    d) Henry Montgomery Lawrence

36. A lot of details regarding the village administration under the Cholas is provided by the insciptions at
    a) Thanjavur b) Uraiyur
    c) Kanchipuram d) Uttaramerur

37. What was the period of Chandra Gupta Maurya ?
    a) 314-287 BC b) 310-299 BC
    c) 320-289 BC d) 321-297 BC

38. What does Baudhayan theorem (Baudhayan Sulva Sutra) relate ?
    a) Length of sides of a right-angled triangle
    b) Calculation of the value pi
    c) Logarithmic calculations
    d) Normal distribution curve

39. Arrange the following Mahajanpadas moving from west to east in the correct order :
    1. Avanti 2. Magadha
    3. Matsya 4. Kosala
    a) 1, 2, 3, 4 b) 1, 3, 4, 2
    c) 1, 3, 2, 4 d) 1, 4, 3, 2

40. The first political organisation established in India in 1838 was known as –
    a) British India Society
    b) Bengal British India Society
    c) Settlers Association
    d) Zamindari Association

41. Who among the following is NOT associated with medicine in ancient India ?
    a) Dhanvantri b) Bhaskaracharya
    c) Charaka d) Susruta

42. The foundation of modern education system in India was laid by –
    a) The Charter Act of 1813
    b) Macaulay's Minutes of 1835
    c) The Hunter Commission of 1882
    d) Wood's Despatch of 1854

43. Who among the following was King of Magadha, at the time of Mahaparinirvana of Gautam Buddha ?
    a) Bimbisara b) Udayi
    c) Ajatshatru d) Chandragupta Maurya

44. After 1880, Railways were built during British rule in India through –
    a) Indian merchants or money-lenders
    b) Private enterprise
    c) State Agency d) A and B both

45. Who founded the Indian National Social Congress in 1887 ?
a) B.G. Tilak
b) M.G. Ranade
c) G.K.Gokhale
d) Ram Prasad Bismil

46. Who was responsible for the introduction of English as the official language in India ?
a) Lord William Bentick
b) Allan Octavian Hume
c) Marquess of Dalhousie
d) Sir Charles Wood

47. Nagarjuna is known as the Einstein of India because:
a) Like Einstein he had a rare insight into the nature of the universe
b) He was one of the greatest physicists of all time
c) He propounded the theory of Shunyavada similar to Einstein's theory of relativity
d) He was a great dialectician

48. Who patronised Mathura Art and built a stupa at Purushpur ?
a) Kujula Kadphises
b) Rudradaman
c) Wima Kadphises
d) Moga

49. Consider the following about Bhakti movement:
1. The movement emerged in response to the challenges posed by Hinduism.
2. It developed under two different schools of thought- Nirgunabhakti and Saguna Bhakti.
3. Kabir, Gurunanak and Ramanuja belong to the Nirgunabhakti.
a) Only 1 and 3
b) Only 2 and 3
c) Only 1 and 2
d) All of the above

50. Prem Vatika, poems on the life of Krishna, were composed by
a) Bihari
b) Surdas
c) Raskhan
d) Kabir

51. Which one of the following is the longest in terms of length ?
a) Krishna
b) Narmada
c) Godavari
d) Cauvery

52. The zonal soil type of peninsular India belongs to
a) red soils
b) yellow soils
c) black soils
d) older alluvium

53. Terra Rossa typically develops in terrains composed of
a) limestone
b) basalt
c) granite
d) red sandstone

54. Kathiawar Peninsula is an example of
a) Emerged shoreline
b) Submerged shoreline
c) Ria shoreline
d) Dalmatian shoreline

55. The Palghat Gap serves inland communications from
a) Madurai to Thiruvananthapuram
b) Chennai to Kochi
c) Pune to Mumbai
d) Bengaluru to Mangalore

56. Which one of the following Solar Power Projects is not correctly matched ?
a) Kamuthi - Tamil Nadu
b) Pavagala – Gujarat
c) Bhadla – Rajasthan
d) Welspun – Madhya Pradesh

57. Western ghats extends from
a) South of Mahi to Nilgiris
b) South of Mahi to Kanyakumari
c) South of Tapi to Nilgiris
d) South of Tapi to Kanyakumari

58. The lacustrine deposits of Kashmir called 'Karewas' are known for
a) saffron cultivation
b) terrace cultivation
c) apple orchards
d) jhum cultivation

59. Which of the following statements is correct in respect of India, geographical position ?
a) Lies between the lattitudes of 8^0 and 37^0N
b) Lies between the longitudes of 68^0 and 92^0E
c) Lies in the North of Equator
d) All of the above

60. Nanda Devi peak forms a part of
a) Asom Himalayas
b) Kumaon Himalayas
c) Nepal Himalayas
d) Punjab Himalayas

61. Which among the following are the Southernmost Hills ?
a) Cardamom Hills
b) Javadi Hills
c) Nallamalai Hills
d) Nilgiri Hills

62. The Dul Hasti Power Station is based on which one of the following rivers ?
a) Beas
b) Chenab
c) Ravi
d) Sutlej

63. Lake Sambhar is nearest to which one of the following cities of Rajasthan ?
a) Bharatpur
b) Jaipur
c) Jodhpur
d) Udaipur

64. Which one of the following is the correct sequence of the given Indian cities in the decreasing order of their normal annual rainfall ?
a) Kochi – Kolkata – Delhi – Patna
b) Kolkata – Kochi – Patna – Delhi
c) Kochi – Kolkata – Patna – Delhi
d) Kolkata – Kochi – Delhi – Patna

65. When the Cauvery river drops as soon as it enters Tamil Nadu, what waterfalls does it create ?
a) Jog Falls
b) Five Falls
c) Hoggenakkal falls
d) Sivasamudram Falls

66. In wildlife conservation, which one among the following best defines an 'Endemic' Species ?
a) When the critical number of a species declines in a forest due to parasitic attack
b) A species, which is cosmopolitan and can be commonly found in a biosphere
c) An endangered species which is found in a few restricted areas on the Earth
d) A species confined to a particular regions and not found anywhere else

67. Which type of climate prevail in the long corridor (leewards side) of the Western Ghats Nilgiri Hills?
a) Tropical wet and dry climate
b) Tropical wet and dry with winter rain
c) Tropical semi and steppe
d) Sub-tropical monsoon rainforest

68. Which is the first country that has made constitutional provisions for protection and improvement of the environment ?
a) Japan   b) Canada
c) India   d) USA

69. Which one of the following is an important crop of the Barak Valley ?
a) Jute   b) Tea
c) Sugarcane   d) Cotton

70. The Kishenganga Power Project is situated in
a) Jammu & Kashmir   b) Uttar Pradesh
c) Himachal Pradesh   d) Rajasthan

71. Which state is famous for step-wells ?
a) Maharashtra   b) Gujarat
c) Odisha   d) Manipur

72. On which one of the following rivers is located Indo-Pak Baglihar Project ?
a) Sutlej   b) Jhelum
c) Beas   d) Chenab

73. Which of the following is a bio-diesel plant ?
a) Jatropha   b) Rose
c) Pepper   d) Noni

74. Which of the following is the leading oilseed in India ?
a) Mustard   b) Sunflower
c) Groundnut   d) Soyabean

75. Kanha National Park belongs to which one among the following biogeographical areas in the world ?
a) Tropical Sub-humid Forests
b) Tropical Humid Forests
c) Tropical Dry Forests
d) Tropical Moist Forests

76. Tree cover is maximum in
a) East Deccan   b) Northern Plains
c) West Coast   d) East Coast

77. Which of the following states has the distinction of giving highest yield of sugarcane per hectare ?
a) Maharashtra   b) Tamil Nadu
c) Karnataka   d) Uttar Pradesh

78. Which of the following statements is not correctly matched?

UNESCO Heritage Site	State
a) Rock shelters of Bhimbetka	Madhya pradesh
b) Airavatesvara temple	Tamil Nadu
c) Jantar Mantar	Rajasthan
d) Pattadakal temples	Andhra Pradesh

79. Identify the mountain pass using the following information.

1. It is located in the State of Himachal Pradesh.
2. Sutlej river enters India through this pass.
3. It is an offshoot of the ancient Silk Road.
4. It is a border post for trade with China.
Which of the above statement(s) is/are correct?
a) Lipulekh pass   b) Nathula pass
c) Shipki La pass   d) Jelep La pass

80. The course of Damodar river occupies a
a) Rift valley   b) Synclinal valley
c) Eroded valley   d) Depositional valley

81. Mudumalai Sanctuary is famous for :
a) tigers   b) elephants
c) lions   d) bisons

82. The Arabian Sea branch of the monsoon is much more powerful than the Bay of Bengal branch because
a) Arabian Sea is larger than the Bay of Bengal.
b) Entire Arabian Sea current advances towards India, whereas only a part of the Bay of Bengal current enters India.
c) Both (a) and (b)
d) None is correct because the Bay of Bengal branch is more powerful

83. Which of the following factors are responsible for India's failure to fully exploit the inland fisheries during the last five decades?
1. Silting and pollution of the inland water bodies
2. Deforestation in the catchment areas of the rivers.
3. Lack of marketing facilities
Choose the correct option.
a) Only 1 and 2   b) Only 1 and 3
c) Only 2 and 3   d) All of the above

84. Anantapur district in Andhra Pradesh is famous for
a) Copper   b) Zinc
c) Mica   d) Gold

85. Shimsha, Hemavati, Arkavati are the tributaries of which one of the following rivers ?
a) Tapti   b) Tungabhadra
c) Cauvery   d) Krishna

86. Silent Valley of Kerala
a) is the only evergreen forest in India
b) contains costly timber trees
c) is a good picnic spot
d) contains rare species of plants and animals

87. Which of the following states is the largest producer of silver in India ?
a) Karnataka   b) Andhra Pradesh
c) Jharkhand   d) Goa

88. In India, the main limiting factor for cultivation is
a) length of growing season
b) infertile soil
c) inadequacy of water supply
d) small size of farms

89. Which of the following states is the largest producer of Rock Phosphate in India ?
    a) Himachal Pradesh   b) Chhattisgarh
    c) Madhya Pradesh   d) Rajasthan

90. Which of the following cities is not located on the bank of river Ganga ?
    a) Fatehpur   b) Bhagalpur
    c) Uttarkashi   d) Kanpur

91. For which one of the following, is Satara well known ?
    a) Thermal Power Plant
    b) Wind Energy Plant
    c) Hydro-electric Plant
    d) Nuclear Power Plant

92. In which of the following places is the Shompen tribe found ?
    a) Nilgiri Hills   b) Nicobar Islands
    c) Spiti Valley   d) Lakshadweep Islands

93. Amarkantak peak is the source region of three important rivers – the Narmada, the Mahanadi and the
    a) Son   b) Tapti
    c) Wardha   d) Ken

94. Which of the follwing is not known for copper production in India ?
    a) Balaghat   b) Jhunjhunu
    c) Singhum   d) Katni

95. Major part of Chhattisgarh is characterised by
    a) Black soils   b) Laterite soils
    c) Peat soils   d) Red soils

96. Which one of the following places is located at the confluence of Alakananda and Bhagirathi ?
    a) Vishnuprayag   b) Devprayag
    c) Rudraprayag   d) Kamaprayag

97. Pie-diagram is the best example of representation of
    a) Land use
    b) Distribution of population
    c) Spot heights
    d) Crop production

98. Location of sugar industry in India is shifting from North to South because of
    a) Cheap labour
    b) Expanding regional market
    c) Cheap and abundant supply of power
    d) High yield and high sugar content in sugarcane

99. The typical area of 'Sal' forests in the Indian Peninsula occurs
    a) On the Western Ghats
    b) Between the Tapti and the Narmada
    c) To the North-East of Godavari
    d) On the Malwa Plateau

100. Where are the BHEL plants located ?
    a) Hardwar, Bhopal, Hyderabad and Tiruchirapalli
    b) Pinjour, Bengaluru, Hyderabad ad Kalamassery
    c) Hardwar, Tiruchirapalli, Bhopal and Pune
    d) Bhopal, Jhansi, Haridwar and Tiruchirapally

101. Who granted the permission to establish the French factory at Masulipatnam ?
    a) Abdulla Kutub Shah   b) Nasir Jung
    c) Muzaffar Jung   d) Salabat Jung

102. Why did Dutch East India Company fail to maintain its influence in India ?
    a) Portuguese did not allow them to trade in India
    b) There was a growing interference of Dutch Government in the Company's internal affairs
    c) Dutch indulged in forcible religious conversion of the people and thus were expelled by local kings
    d) The English forces made them to leave India

103. In 1775, who referred to the Nawab of Bengal as "a Phantom, a man of straw" ?
    a) Warren Hastings
    b) A member of Court of Directors
    c) A Judge of Supreme Court of Calcutta
    d) Robert Clive

104. Cornwallis' code of 1793 separated
    a) revenue collection for administration of civil justice
    b) civil administration from judicial administration
    c) the Bengal administration from the Central administration
    d) the civil administration from millitary administration

105. After Bengal, the English seemed the right of duty-free trade in the domination of
    a) Raja of Benaras
    b) Nawab of Awadh
    c) The Nizam of Hyderabad
    d) The Jats of Bharatpur

106. Who remarked in 1834 that "The bones of the cotton weavers are bleaching the plains of India"?
    a) Raja Ram Mohan Roy   b) Dadabhai Naoroji
    c) R.C.Dutt   d) William Bentinck

107. The birth place of Maharani Laxmibai, the heroine of the 1857 freedom struggle is
    a) Agra   b) Jhansi
    c) Varanasi   d) Vrindavan

108. During the time of which Mughal Emperor did the English East India Company establish its first factory in India ?
    a) Akbar   b) Jahangir
    c) Shahjahan   d) Aurangzeb

109. With reference to the entry of European powers into India, which one of the following statements is not correct ?
    a) The Portuguese captured Goa in 1499
    b) The English opened their first factory in South India at Masulipatnam
    c) In Eastern India, the English Company opened its first factory in Orissa in 1633
    d) Under the leadership of Dupleix, the French occupied Madras in 1746

110. Who is the author of the book 'The Last Mughal : The fall of a Delhi Dynasty in 1857' ?
a) John Kirkland
b) William Dalrymple
c) Thomas Wilson
d) Simon Digby

111. Arranged the following treaties in chronologies order :
1. Treaty of Faizabad
2. Treaty of Benaras
3. Treaty of Allahabad
4. Treaty of Bassein
Select the correct answer from the codes given below.
a) 3, 2, 1, 4
b) 3, 1, 2, 4
c) 2, 3, 1, 4
d) 3, 4, 1, 2

112. Through whose initiative was the Dhaka Anushilan Samiti formed in October 1906 ?
a) Barindra Kumar Ghosh
b) Hemchandra Kanungo
c) Pulin Behari Das
d) Aurobindo Ghosh

113. Who was popularly known as Nana Saheb ?
a) Baji Rao I
b) Balaji Baji Rao
c) Balaji Biswanath
d) Sawai Madhav Rao

114. In which State of India Ataranjikheda is situated ?
a) Bihar
b) Madhya Pradesh
c) U.P.
d) Gujarat

115. With reference to the colonial rule of India, which one of the following was not the feature of Subsidiary Alliance System ?
a) A subsidiary British army was to be maintained in the Indian State
b) The determination of expenses incurred on the subsidiary British army was the duty of Indian State
c) The Indian state had to keep a British resident in her capital
d) Indian soldiers could be used by the company commanders

116. Which dynasty described itself as the 'Brahma-Kshatriya' ?
a) Senas
b) Palas
c) Rashtrakutas
d) Pratiharas

117. King "Chandra" of Mehrauli Iron Pillar inscription has been identified with
a) Chandragupta Maurya
b) Chandragupta I (Gupta)
c) Chandrasen
d) Chandragupta II (Gupta)

118. 'Kiratas' was an old kingdom of the
a) Northern India
b) Southern India
c) Western India
d) Eastern India

119. Consider the following dynasties
1. Saluva
2. Sangama
3. Tuluva
4. Aravidu
Find the correct chronological sequence
a) 2, 1, 3, 4
b) 4, 3, 2, 1
c) 1, 2, 3, 4
d) 3, 4, 1, 2

120. Which Sikh Guru assumed the title 'Sachcha Badshah' ?
a) Guru Nanak
b) Guru Teg Bahadur
c) Guru Hargovind
d) Guru Gobind Singh

121. Who is the founding member of 'Mazdoor Mahajan' ?
a) B.P.Wadia
b) M.K.Gandhi
c) J.L.Nehru
d) N.M.Lokhande

122. The rebellion started in 1816 and continued till 1832 was
a) Santhal uprisings
b) Kol uprisings
c) Kutch uprisings
d) None of the above

123. Where was the first All India Kisan Sabha formed?
a) Calcutta
b) Madras
c) Lucknow
d) Patna

124. Lord Macaulay is associated with
a) Reforms in Army
b) Abolition of Sati system
c) English Education
d) Permanent Settlement

125. The Iqtadaras during the Sultanate period were also known as
a) maliks
b) muqtis
c) mamlatdars
d) munhias

126. Who among the following was greatly influenced by Islam ?
a) Namadeva
b) Chaitanya
c) Ramananda
d) Ramanuja

127. Which Bahamani ruler shifted the capital from Gulbarga to Bidar ?
a) Ala-ud-din II
b) Ahmad Shah Wali
c) Muhammad Shah I
d) Muhammad III

128. Which one among the following wars was ended by the Treaty of Madras ?
a) First Carnatic war
b) Second Carnatic war
c) First Mysore war
d) Second Mysore war

129. The first Indian rulers to issue gold coins on the Roman pattern were
a) Sungas
b) Kushanas
c) Indo-Greeks
d) Vakatakas

130. Dadabhai Naoroji organised 'East India Association' to serve which one of the following purposes ?
a) To promote nationlism among the peasants of India
b) To discuss the Indian questions and influence British public to promote Indian welfare
c) To unite all nationalist leader under one organisation
d) To start an independent organisation apart from congress

131. Which of the following was not one of the titles assumed by the Chola king Rajendra ?
a) Tyagasamudra
b) Gangaikonda
c) Mudikonda
d) Pandita Chola

132. What was the reason for the British Empire to annex Sambalpur in 1850 ?
    a) Lack of proper governance
    b) Death of its ruler without an heir
    c) Subsidiary Alliance
    d) Its involvement in a conspiracy against British Rule

133. The main programme of the red shirts (Khudai Khidmatgars or Servants of God) organised by Khan Abdul Gaffar Khan in support of the Civil Disobedience Movement was
    a) to proceed on the lines of terrorist and revolutionary activities
    b) to propagate the Congress programmes
    c) to resist the military operations of the government in the North-Western forntier province
    d) to set up a para-military organisation

134. At the time of Aurangzeb's death, the Maratha leadership was in the hands of
    a) Shambhuji   b) Rajaram
    c) Jija Bai   d) Tara Bai

135. During the age of Mahajanapadas who were papanikas ?
    a) Shopkeepers   b) Wood cutter
    c) Priests of tribal origins d) Gatekeepers

136. The Indian legal and judicial systems were founded in
    a) Later Vedic Period b) Pre Maryan Age
    c) Mauryan Age   d) Gupta Age

137. Which among the following was the First Trade Union Organisation of India in modern times ?
    a) Printers Union of Kolkata
    b) Textile Labour Union
    c) Bombay Postal Union
    d) All India Trade Union Congress

138. How did the Mughal Emperor Jahandar Shah's reign come to an early end ?
    a) He was deposed by his wazir
    b) He died due to a slip while climbing down steps
    c) He was defeated by his nephew in a battle
    d) He died of sickness due to too much consumption of wine

139. Which portfolio was held by Dr. Rajendra Prasad in the Interim Government formed in the year 1946 ?
    a) Defence
    b) External affairs and common wealth
    c) Food and Agriculture
    d) Education

140. Which of the following Indians was appointed as Deputy Diwan of Bihar by Rober Clive ?
    a) Omi Chand   b) Manik Chand
    c) Rai Durlabh   d) Raja Shitab Rai

141. The Pallava ruler who built the famous Kailash temple at Kanchi and the Shore temple at Mahabalipuram was

    a) Narsimhavarman II b) Parmesvarvarman I
    c) Mahendra Varman I d) Narsimhavarman

142. Who of the following was the inventor of Chanhudro, a harappan site, in 1931 ?
    a) Rakhaldas Bandopadhyay
    b) Dayaram Sahani
    c) S. R. Rao
    d) Nanigopal Majumdar

143. Which Sufi Saint adopted Yogic breathing exercises and was called Sidh or perfect ?
    a) Nizamuddin Auliya b) Farid
    c) Salim Chisti   d) Muhammed Jilani

144. Arrange the following events in correct chronological order and answer the questions on the basis of the codes given below
    1. Ilbert Bill Controversy
    2. The First Delhi Darbar
    3. The Queen' Proclamation
    4. First Factory Act
    Codes :
    a) 1, 2, 3, 4   b) 2, 1, 3, 4
    c) 3, 4, 1, 2   d) 3, 2, 4, 1

145. Which Sikh Guru helped the rebel prince Khusro with money and blessings ?
    a) Guru Hargovind   b) Guru Govind Singh
    c) Guru Arjun Dev   d) Guru Tegh Bahadur

146. The historical book in Mughal period 'Tabaqat-e-Akbari' was written by –
    a) Hamid   b) Khaja Nijamuddin Ahmed
    c) Kafi Khan   d) Badauni

147. Where was the famous Virupaksha temple located ?
    a) Bhadrachalam   b) Simachalam
    c) Hampi   d) Trikalahasti

148. The decimal system was first known in India at the begining of
    a) 2nd century AD   b) 3rd century AD
    c) 4h century AD   d) 5th century AD

149. Which of the following pairs is correctly matched?
    a) Diwan-i-Bandagani – Feroz Shah Tughlaq
    b) Diwan-i-Mustakhraj – Balban
    c) Diwan-i-Kohi – Alauddin Khilji
    d) Diwan-i-Arz – Mohammad Tughlaq

150. The successor of Maharaja Ranjit Singh was
    a) Kharak Singh   b) Harihar Singh Nalwa
    c) Sher Singh   d) Naunihal Singh

151. The habitat of the Toda Tribe is
    a) Aravalli range   b) Siwalik range
    c) Kaimur range   d) Nilgiri range

152. Hindalco, an aluminium factory located at Renukut owes its site basically to
    a) Proximity of raw materials
    b) Abundant supply of power
    c) Efficient transport of network
    d) Proximity to the market

153. Modern industrial development of India is largely due to
    a) Rationalisation of raw material
    b) Availiability of skilled manpower
    c) Liberalisation of government policies
    d) Increase in market demand

154. The map in which distribution of different objects are shown by letter symbols are called
    a) Choroschematic maps
    b) Chorochromatic maps
    c) Choropleth maps
    d) All of the above

155. Wular lake of Kashmir is
    a) Ox-bow lake
    b) Lake formed by tectonic activity
    c) Lake formed by terminal morainic dam
    d) Lake formed by continuous deposition of silt

156. The highest peak of the Himalayas in India is in
    a) Uttar Pradesh   b) Kashmir
    c) Sikkim   d) Himachal Pradesh

157. The Amarkantak Hill is the source of two River flowing in two different directions (West and East). They are
    a) Narmada and Tapti
    b) Narmada and Mahanadi
    c) Tapti and Betwa
    d) Tapti and Son

158. Which of the following pairs is incorrectly matched?
    a) Kosi : Consequent River
    b) Narmada : Rift Valley River
    c) Sutlej : Antecedent River
    d) Ghagghar : River with interior drainage

159. The Indus and Brahmaputra Rivers are examples of
    a) Subsequent Drainage
    b) Superimposed Drainage
    c) Consequent Drainage
    d) Antecedent Drainage

160. Formation of potholes in river beds is an example of :
    a) Hydration   b) Corrosion
    c) Erosion   d) Attrition

161. Structurally, the Great Himalaya is
    a) An autochthonous zone
    b) A par-autochthonous zone
    c) An allochthonous zone
    d) A suture zone

162. Reserved Forest is a forest
    a) Totally under Government control
    b) Meant mainly for tribal people
    c) Earmarked for commercial exploitation with restricted grazing
    d) With wild life protection

163. The upliftment of the Himalayas was first initiated during the period of
    a) Middle pliocene   b) Middle Oligocene
    c) Middle Eocene   d) Middle Miocene

164. Peaty soil is found in
    a) Kerala   b) Assam
    c) Manipur   d) Gujarat

165. Ecosystems has two components
    a) Plants and animals   b) Weeds and trees
    c) Biotic and abiotic   d) Frogs and man

166. Belpahari and Gidhni area of West Bengal had deposits of which mineral ?
    a) Manganese   b) Copper
    c) Barytes   d) Kyanite

167. Lowest Rainfall of West Bengal is found in which district ?
    a) Purulia   b) Bankura
    c) Birbhum   d) Jhargram

168. What is Buxa ?
    a) A river in Eastern mountain region
    b) An important city near Kalimpong
    c) A pass joining India and Bhutan
    d) A mountain peak of Sinchula range

169. The soil of Bankura district in West Bengal is
    a) Podzolic   b) Alluvial
    c) Laterite   d) Silty

170. Kalindi, Balason and Tangon are the tributaries of which river ?
    a) Damodar river   b) Mahananda river
    c) Teesta river   d) Torsa river

171. Which of the following water sources is situated in the border of Bengal and Sikkim ?
    a) Whistle Khola waterfall
    b) Talboria lake
    c) Changey waterfall
    d) Bhangzang lake

172. Sundari and dhundal trees are found in which among the following types of forests ?
    a) Moist deciduous forests
    b) Littoral and swamp forests
    c) Tropical dry deciduous forests
    d) Montane wet temperate forests

173. Which among the following types of forests is found in an altitude between 1650-3000 m in West Bengal ?
    a) Montane wet temperate forests
    b) Tropical dry deciduous forests
    c) Sub-alpine forests
    d) Sub-tropical semi-evergreen forests

174. The Mayurjharna Elephant Reserve is combinely located in which two districts of West Bengal ?
    a) Bankura and Purulia
    b) West and East Midnapore
    c) Bankura and West Midnapore
    d) Hooghly and West Midnapore

175. Which among the following scheme provides financial and other support to young enterpreneurs who have unique business ideas ?
a) Shilpa Sathi   b) Egiye Bangla
c) Shilpa Bandhu
d) Cluster Development program

176. Interior of the Deccan Plateau receives an annual rainfall of less than 60 cm, mainly because
a) It is a rain shadow region
b) It is located parallel to wind direction
c) It is away from the coast
d) Rain-bearing clouds are absent

177. Heavy rainfall during the months of October and November is received by –
a) Garo, Khasi and Jaintia hills
b) Chhota Nagpur Plateau
c) Malwa Plateau
d) Coromondal Coast

178. Korba coal field is located in which state ?
a) Jharkhand   b) Madhya Pradesh
c) Andhra Pradesh   d) Orissa

179. Which of the leading wheat producer state in India ?
a) Punjab   b) Uttar Pradesh
c) Haryana   d) Madhya Pradesh

180. Rainbow revolution is related with --
a) Green revolution   b) White revolution
c) Blue revolution   d) All of the above

181. In India, Regur soil is found in
a) Deccan Plateau   b) Indo-Gangetic plain
c) Himalayan region   d) Coastal plains

182. Tangrup Pass is a mountain corridor connecting India with
a) Afghanistan   b) China
c) Myanmar   d) Pakistan

183. The state of Sikkim is surrounded by –
a) China, Nepal, Bhutan and West Bengal
b) Bhutan, Nepal, West Bengal and Assam
c) China, Nepal, West Bengal and Assam
d) China, Bhutan, West Bengal and Assam

184. How many islands are there in Lakshadweep ?
a) 17   b) 27
c) 36   d) 47

185. Which one among the following creeks is not associated with the state of Gujarat ?
a) Kori creek   b) Godai creek
c) Kajhar creek   d) Sir creek

186. The factory of Chemical fertilizer at Ramagundam is situated in which state ?
a) Andhra Pradesh   b) Karnataka
c) Telengana   d) Tamil Nadu

187. Indira Gandhi Centre for Atomic Research (IGCAR) is situated at –
a) Trombay   b) Hyderabad
c) Kalpakkam   d) Thumba

188. Which is the best quality coffee that India produces mainly for export purpose ?
a) Liberica   b) Arabica
c) Robusta   d) Minarica

189. Which of the following multipurpose project and the rivers on which they are situated is not correctly matched ?
a) Salal – Sutlej   b) Nagarjuna – Krishna
c) Ukai – Tapti   d) Hirakund – Mahanadi

190. Chittora is one of the hydro electric station in
a) Uttar Pradesh   b) Madhya Pradesh
c) Andhra Pradesh   d) Maharashtra

191. The Central Plantation Crops Research Institute (CPCRI) is situated in –
a) Balehonnur, Karnataka
b) Guntur, Andhra Pradesh
c) Kasaragod, Kerala
d) Kozhikode, Kerala

192. Which of the following is not a plantation crop ?
a) rubber   b) tobacco
c) banana   d) sugarcane

193. Sampad Sagar Canal is connected with which river ?
a) Krishna   b) Musi
c) Godavari   d) Narmada

194. Rudrasagar Lake is situated in which state ?
a) Assam   b) Rajasthan
c) Tripura   d) Andhra Pradesh

195. The Umiam Hydel-Project dam is located a few kilometers north of :
a) Kohima   b) Imphal
c) Guwahati   d) Shillong

196. Alluvial soils cover about ___% parts of the total geographical area of India.
a) 35   b) 45
c) 53   d) 28

197. The Cherry blossom cyclone is seen in
a) Tamil Nadu & Kerala
b) Kerala & Karnataka
c) Karnataka & Telengana
d) Andhra Pradesh & Tamil Nadu

198. Kolleru lake in Andhra Pradesh is a type of
a) Tectonic lake   b) Wind-made lake
c) Deltaic lake   d) Lagoon

199. Ramganga is a tributary of Ganga river. It joins Ganga near which city ?
a) Ghazipur   b) Danapur
c) Saharanpur   d) Kannauj

200. The atomic power station Narora is situated in which district of Uttar Pradesh ?
a) Aligarh   b) Gorakhpur
c) Bulandshahar   d) Meerut

———

DO NOT OPEN THIS BOOKLET UNTILL YOU ARE ASKED TO DO SO

TEST BOOKLET

PAPER - IV

Time allowed : 3 hours

Full marks : 200

Test Booklet Series

A

Answer all the questions.
Questions are of equal value.

Registration No :

Signature of the Candidate :

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 9 pages including this front page, containing 200 Questions. Verify the page Nos. and Test Booklets Series on each page and bring at once to the invigilator's notice any discrepancy.

2. Answers will have to be given in the special Answer-Sheet supplied for the purpose.

3. Before you proceed to mark in the Answer-Sheet in Response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**

4. All questions are of multiple-choice answer-type. You will *four* probable answers **(A), (B), (C) and (D)** against each question. Find out which of the four answers appears to be correct or the best. Now darken the oval corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the admit Card and in the Answer-Sheet.

5. If more than one oval is encoded for a particular answer, it will be treated as a wrong answer.

6. **There will be negative marking for wrong answers. $^1/_3$ mark will be deducted for each wrong answer.**

7. **There are blank pages at the backside of each pages of this booklet for Rough Work.**

8. **The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.**

Test Booklet Series

A

WBCS (Exe) Examination (Mains), 2019

MOCK TEST

Full Marks : 200   Test Code : M1920   Time : 3 hours

Answer all questions. Each question carries 1 mark. 1/3rd mark will be deducted for each wrong attempt.

1. The ratio of the masses of two body P and Q is 1:8 and the ratio of the kinetic energy is 2:1,then the ratio of their momentum is
   a) 2: 1   b) 3: 1
   c) 4:1   d) 3 : 2

2. Maxwell is the unit of
   a) permeability   b) magnetic flux
   c) magnetic susceptibility
   d) intensity of magnetization

3. One light year is approximately equal to
   a) 10^{11} km   b) 10^{15} m
   c) 10^{16} m   d) 10^{16} km

4. An object is undergoing a non-accelerated motion. Its rate of change in momentum is
   a) a non-zer constant   b) zero
   c) not a constant   d) None of the above

5. A motor vehicle is moving on a circle with a uniform speed. The net acceleration of the vehicle is
   a) zero
   b) towards the centre of the circle
   c) away from the centre along the radius of the circle
   d) perpendicular to the radius and along the velocity

6. If a light body and a heavy body have equal momentum, then
   a) the lighter body has greater kinetic energy than the heavier body
   b) the lighter body has lesser kinetic energy than the heavier body
   c) the kinetic energy of the lighter body is equal to the kinetic energy of the heavier body
   d) the kinetic energy of both the bodies are independent of momentum

7. A bomb dropped from an airplane explodes in mid-air
   a) its Kinetic energy increases
   b) its total energy increases
   c) its total energy decreases
   d) None of the above

8. The most suitable unit of expressing nuclear radius is
   a) micron   b) nanometer
   c) fermi   d) angstrom

9. Angle of friction and angle of repose are
   a) equal to each other
   b) not equal to each other
   c) proportional to each other
   d) None of the above

10. In an elastic collision,
    a) momentum is conserved but energy is not
    b) both momentum and energy are conserved
    c) energy is conserved but momentum is not
    d) neither momentum nor energy is conserved

11. Why do two ice blocks join to form one block when pressed together ?
    a) Melting point of ice is lowered with increase in pressure
    b) Melting point of ice increases with increase in pressure
    c) Melting point of ice remains unchanged with increase in pressure
    d) Melting point of ice 0^0C

12. An object is placed in front of two plane mirrors which are perpendicular to each other. The number of images that can be seen by an observer is
    a) one   b) two
    c) zero   d) Infinite

13. Bernoilli's theorem is applicable to
    a) surface tension   b) viscosity
    c) flow of liquids   d) static fluid pressure

14. The modulus of rigidity of a liquid is
    a) zero   b) infinite
    c) 1   d) None of these

15. Which one of the following has highest frequency?
    a) Cosmic rays   b) X-rays
    c) Radiowaves   d) Microwaves

16. Epoxy resins are used as
    a) detergents   b) insecticides
    c) adhesives   d) moth repellents

17. Which of the following physical quantities have the same dimensions ?
    a) Angular momentum and work
    b) Kinetic energy and velocity
    c) Work and torque
    d) Potential energy and linear momentum

18. The major ingredient of leather is
    a) collagen   b) carbohydrate
    c) polymer   d) nucleic acid

19. Longitudinal strain is defined when
    a) under a large force change in length is smaller
    b) under a weak force change in length be smaller
    c) Under a large force, change in length is larger
    d) None of these

20. Ultrasonic waves are produced by
    a) Peltier's effect   b) Piezoelectric effect
    c) Doppler's effect   d) Coulomb's law

21. India won its first Olympic hockey gold in
   a) 1918   b) 1928   c) 1936   d) 1932
22. Black heart of potato is due to
   a) deficiency of copper
   b) deficiency of boron
   c) deficiency of oxygen
   d) deficiency of potassium
23. Red colour of red sea is due to
   a) Moss   b) Bacteria
   c) Fungi   d) Algae
24. Which one of the following reflects back more sunlight as compared to other three?
   A) Sand desert   B) Paddy crop Ian
   C) Land covered with fresh snow
   D) Prairie land
25. The study of the microscopic structure of tissues, is called
   A) Orology   B) Osteology
   C) Histology   D) Seromology
26. Bakelite is the product of
   a) addition polymerization
   b) condensation polymerization
   c) co-polymerization
   d) None of the above
27. Deep blue colour is imparted to glass by the presence of
   a) cupric oxide   b) nickel oxide
   c) cobalt oxide   d) iron oxide
28. The isotope used for cancer therapy
   a) I^{80} b) Co^{60}
   c) C^{14} d) Ra^{223}
29. Chemical formula of Grignard reagent is
   a) R-Mg-X   b) R-Ca-X
   c) R-Sr-X   d) None of the above
30. Choose the correct sequence of substance which is ordered in an increasing order of forces of attraction between the particles
   a) Water, Sugar, Oxygen,
   b) Oxygen, Water, Sugar
   c) Sugar, Oxygen, Water
   d) Oxygen, Sugar, Water
31. Plants are killed in winter by frost
   a) because of desiccation and mechanical damage to the tissues
   b) because no photosynthesis takes place at such low temperature
   c) because respiration ceases at such low temperature
   d) because there is no transpiration
32. Number of chromosomes in Down's syndrome is
   a) 46   b) 47
   c) 48   d) 49
33. Most abundant tissues of our body are
   a) muscular   b) Skeletal Muscle
   c) epithelial   d) nervous

34. Most common disease of poultry in India is
   a) fowl pox   b) tick fever
   c) ranikhet   d) coryza
35. Ptyalin is an enzyme produced in the
   a) salivary glands   b) pituitary glands
   c) thyroid glands   d) pancreas
36. Transverse waves can propagate
   a) in a gas but not in a metal
   b) both in a gas and in a metal
   c) not in a gas but in a metal
   d) neither in a gas nor in a metal
37. C-peptide of human insulin is:
   a) A part of mature insulin molecule
   b) Responsible for formation of disulphide bridges
   c) Removed during maturation of pro-insulin to insulin
   d) Responsible for its biological activity.
38. The Redox indicator used in volumetric titration of
   a) Bromophynol Blue
   b) Methyl Orange
   c) Barium diphenyl amine sulphonate
   d) Solochrome black-T
39. Which element has the greatest ductility property ?
   a) Copper   b) Silver
   c) Gold   d) Platinum
40. The wavelength of X-rays is of the order of
   a) 1 mm   b) 1 cm
   c) 1 micron   d) 1 angstrom
41. In ecosystem, which one shows one way passage ?
   a) Free energy   b) Nitrogen
   c) Carbon   d) Potassium
42. Which one of the following clay has the highest cation exchange capacity (CEC) ?
   a) Bentonite   b) Halloysite
   c) Ball clay   d) China clay
43. What Frank Whittle invented?
   a) Radar   b) Ethyl gasoline
   c) Sonar   d) Jet propulsion
44. Who synthesized the first wholly artificial gene?
   a) Hargobind Khorana   b) James Watson
   c) Benjamin Franklin   d) Edward Beneden
45. The temperature of a body is an indicator of
   a) the total energy of the molecules of the body
   b) the average energy of the molecules of the body
   c) the total velocity of the molecules of the body
   d) the average kinetic energy of the molecules of the body
46. Which one of the following is the correct definition of "Agenda 21" ?
   a) It is an action plan of U.N.O. for protecting human rights.
   b) It is a book of 21 chapters on nuclear disarmament.
   c) It is an action plan for the sustainable development.
   d) It is an agenda for the election of the president in the next meeting of SAARC.

47. Relation between the colour and temperature of a star is given by
    a) Wien's displacement law　b) Hubble's law
    c) Planck's law　　　　　　d) Hippacus rule

48. One fathom is equal to —
    a) 6 metres　　　　　　b) 6 feet
    c) 60 feet　　　　　　　d) 60 cms

49. In case of a parasitic food chain, the shape of the pyramid of number is always :
    a) Upright　　　　　　b) Linear
    c) Inverted　　　　　　d) Not certain

50. Rate of diffusion is
    a) faster in gases than in liquids and solids
    b) equal in solids, liquids and gases
    c) faster in solids than in liquids and gases
    d) faster in liquids than in solids

51. In case of prism, the angel of deviation is greater for
    a) Blue　　　　　　b) Yellow
    c) Red　　　　　　d) Violet

52. Optic fibres are mainly used for which of the following?
    a) Musical instruments　　b) Food industry
    c) Weaving　　　　　　d) Communication

53. The best conductor of heat among the following is
    a) alcohol　　　　　　b) mercury
    c) ether　　　　　　　d) water

54. When red glass is heated in dark room it will seem?
    a) Green　　　　　　b) Purple
    c) Black　　　　　　d) Yellow

55. Which fuel has the maximum calorific value ?
    a) Charcoal　　　　　　b) Kerosene
    c) Wood　　　　　　d) LPG

56. A computer cannot boot if it does not have the
    a) compiler　　　　　　b) loader
    c) operating system　　d) assembler

57. Modern communication systems are based on
    a) Analog circuits　　b) digital circuits
    c) combination of A analog and digital circuits
    d) None of the above

58. The sweetest sugar is :
    a) sucrose　　　　　　b) glucose
    c) fructose　　　　　　d) lactose

59. Plants that grow under average temperature and moisture are called
    a) halophytes　　　　　　b) hydrophytes
    c) mesophytes　　　　　　d) xerophytes

60. 540 gm of ice at 0°C mixed with 540 gm of water at 80°C. The final temperature of the mixture is
    a) 20^0C　　　　　　b) 40°C
    c) 0^0C　　　　　　d) 56^0C

61. What are the soaps?
    a) Salts of silicates
    b) Mixture of glycerol and alcohols
    c) Sodium or potassium salts of heavier fatty acids
    d) Esters of heavy fatty acids

62. Pollen grains in plants are produced in
    a) roots　　　　　　b) leaves
    c) flower　　　　　　d) stem

63. Detergents used for cleaning clothes and utensils contain?
    a) bicarbonates　　　　b) bismuthates
    c) sulphonates　　　　d) nitrates

64. Glass is made of the mixture of
    a) quartz and mica　　b) sand and silicates
    c) salt and quartz　　d) sand and salt

65. Radish is a
    a) bulb　　　　　　b) conn
    c) modified root　　d) tuber

66. Outer covering of virus made up of protein is
    a) capsid　　　　　　b) coat
    c) virion　　　　　　d) viriod

67. Our major foods, fibres, spices, fruits and beverage crops are
    a) flowering plants　　b) gymnosperms plants
    c) pteridophytes　　　d) bryophytes

68. Organic Substances which, in very small amounts, control growth and development called
    a) vitamins　　　　　　b) hormones
    c) enzymes　　　　　　d) all of the above

69. Radioactivity is a phenomenon of the spontaneous emission of
    a) protons (alpha particles)
    b) electrons (beta particles)
    c) gamma rays (short wave electromagnetic waves)
    d) All of the above

70. When a person uses a convex lens as a simple magnifying glass, the object must be placed at a distance
    a) behind the focal length
    b) behind 2f
    c) less than the focal length
    d) no specific distance

71. The short upper part of the human intestine next to the stomach is called :
    a) Caecum　　　　　　b) Duodenum
    c) Lieum　　　　　　　d) Jejunum

72. The improper function of which of the following results in condition Myxedema' in human beings?
    a) Adrenal gland　　　　b) Pancreas
    c) Liver　　　　　　d) Thyroid gland

73. Alpha-keratin is a protein present in :
    a) blood　　　　　　b) skin
    c) wool　　　　　　d) eggs

74. The comers of the cells of collenchyma tissue in plants are thickened due to the deposition of :
    a) Lignin and Suberin　　b) Suberin and Cutin
    c) Cellulose and Pectin　d) Chitin and Lignin

75. Which of the following is commonly called a "polyamide"?
    a) Terylene　　　　　　b) Nylon
    c) Rayon　　　　　　d) Orlon

76. In which organ of the human body are the lymphocyte cells formed?
    a) Liver
    b) Long bone
    c) Pancreas
    d) Spleen

77. The hormone insulin is a :
    a) Glycolipid
    b) Fatty acid
    c) Peptide
    d) Sterol

78. The characteristic odour of garlic is due to :
    a) a chloro compound
    b) a sulphur compound
    c) a fluorine compound
    d) acetic acid

79. Consumption of fish is considered to be healthy when compared to flesh of other animals because fish contains :
    a) polyunsaturated fatty acids
    b) saturated fatty acids
    c) essential vitamins
    d) more carbohydrates and proteins

80. Gypsum is added to cement clinker to
    a) increase the tensile strength of cement
    b) decrease the rate of setting of cement
    c) facilitate the formation of colloidal gel
    d) bind the particles of calcium silicate

81. Among the following food items, which one has the highest amount of carbohydrates?
    a) Apple
    b) Banana
    c) Cabbage
    d) Pea

82. Desert plants would be characterised by :
    a) vivipary
    b) aerenchyma
    c) aerial roots
    d) sunken stomata

83. The vast resources of unutilised natural gas can be used in the production of
    a) graphite
    b) Synthetic petroleum
    c) fertilisers
    d) carbide

84. Which one of the following sets is correctly matched?
    a) Diphtheria, Pneumonia and Leprosy : Hereditary
    b) AIDS, Syphilis and Gonorrhoea : Bacterial
    c) Colour blindness, Haemophilia and Sickle cell anaemia : Sex linked
    d) Polio, Japanese B ancephalitis and Plague : Viral

85. Upper part of sea/aquatic ecosystem contains
    a) plankton
    b) nekton
    c) plankton and nekton
    d) benthos

86. Which type of fire extinguisher is used for petroleum fire?
    a) Powder type
    b) Liquid type
    c) Soda acid type
    d) Foam type

87. Mutation is
    a) a factor responsible for plant growth
    b) a change which affects the offspring of F2 generation only
    c) a change that is inherited
    d) a change which affects the parents

88. The technique used to transmit audio signal in television broadcasting is
    a) amplitude modulation
    b) frequency modulation
    c) pulse code modulation
    d) time division multiplexing

89. Which one of the following is the most common picking device of the graphic application ?
    a) Graphic tablet
    b) Joystick
    c) Mouse
    d) Light Pen

90. What is the most commonly used substance in fluorescent tubes ?
    a) Sodium oxide and argon
    b) Sodium vapour and neon
    c) Mercury vapour and argon
    d) Mercury oxide and neon

91. WIMAX is related to which one of the following ?
    a) Biotechnology
    b) Space Technology
    c) Missile Technology
    d) Communication Technology

92. Which one of the following discs is used to cold boot a computer ?
    a) Set up disc
    b) Program disc
    c) Diagonostic disc
    d) System disc

93. Pick up the correct food chain
    a) grass – Chamelion – insect – bird
    b) grass – fox – rabbit – bird
    c) phytoplankton – zooplankton – fish
    d) fallen leaves – bacteria – insect larvae.

94. Relative contributions of CO_2, CH, CFCs and N_2O towards global warming are :
    a) 50%, 30%, 10% and 10% respectively
    b) 60%, 20%, 14% and 6% respectively
    c) 40%, 30%, 20% and 10% respectively
    d) None of the above

95. The Ministry of Environment and Forest declared India's first marine eco-sensitive zone in -
    a) Gulf of Kutch
    b) Palk Strait
    c) Gulf of Khambat
    d) Gulf of Mannar

96. Energy _____ in an Ecosystem.
    a) is released
    b) is absorbed
    c) flows
    d) None of the above

97. Who is the current CEO of Infosys?
    a) Salil Parekh
    b) Abidali Neemuchwala
    c) Rajesh Gopinathan
    d) Francisco D'Souza

98. Which city will host 10th National Science Film Festival of India (NSFFI) in 2020?
    a) Pune
    b) Chandigarh
    c) Agartala
    d) Bhubaneswar

99. Puerto Williams, which has become the world's southernmost city, is located in which of the following countries?
    a) Argentina
    b) New Zealand
    c) Chile
    d) Australia

100. Nitrogen is fixed in ecosystems in ways stated below. Which one of the statements below is false?
    a) By cyanobacteria
    b) By electrical discharges in the atmosphere
    c) By industrially synthesised fertilizer
    d) By denitrification

101. First artificial satellite of the moon
    a) Luna 2
    b) Luna 8
    c) Luna 9
    d) Luna 10
102. The level of sound during normal conversation is
    a) 20 db
    b) 40 db
    c) 60 db
    d) 80 db
103. Acids in the rain react with the calcium compounds in the stones to create
    a) Gypsum
    b) Calcium carbonate
    c) Calcium hydroxide
    d) None of the above
104. UNFCCC stands for
    a) United Nations Framework Convention on Climate Change
    b) United Nations Federation Convention on Climate Change
    c) United Nations Framework Council on Climate Change
    d) United Nations Federation Council on Climate Change
105. Which of the following is correct about Indian Defence's Aircrafts and Helicopter?
    1. Tejas is a multi-role combat aircraft.
    2. SARAS is India's first indigenous civilian aircraft.
    3. Lakshya is a pilotless target Aircraft.
    Select the correct option/options given below:
    a) 1 and 2 only
    b) 1 and 3 only
    c) 2 and 3 only
    d) All of the above
106. Which is the banned Punjabi Poem which is to be published in English after 99 years
    a) Khooni Vaisakhi
    b) Ghum Charakhria Ghum
    c) Keso Guni
    d) Amin Khayal
107. Which is the robot that was declared dead after 15 years of service in red planet by NASA?
    a) Reconnaissance Orbiter
    b) Mars Rover
    c) Odyssey
    d) MAVEN
108. To which field BARC belongs to
    a) Food
    b) Atomic energy
    c) Television
    d) Export
109. Who has taken charge as the new Election Commisioner of India?
    a) Sunil Arora
    b) Sushil Chandra
    c) Navin Chawla
    d) V. Sampath
110. First space station
    a) Apollo 1
    b) Sputnik 1
    c) Salyut 1
    d) None of the above
111. The set of ecosystems is called a
    a) Biome
    b) Climate
    c) Subsystem
    d) Structure
112. Which one of the following is an 'air-to-air' missile?
    a) Akash
    b) Astra
    c) Prithvi
    d) Dhruva
113. For television broadcasting the frequency employed is normally
    a) 30 - 300 kHz
    b) 30 - 300 GHz
    c) 30 - 300 Hz
    d) 30 - 300 MHz
114. The core of a transformer is laminated so that
    a) ratio of the voltages across the secondary and primary is doubled
    b) the weight of the transformer can be kept low
    c) the rusting of the core is prevented
    d) energy loss due to eddy currents is minimised
115. Who had invented the mechanical television which is the pioneer of modern television?
    a) Philo T Farnsworth
    b) V. K. Zworykin
    c) Karl Braun
    d) Charles F. Jenkins
116. Nepal-India Franchise Investment Expo scheduled in Kathmandu on May, 2019 is for _____ development.
    a) entrepreneurship
    b) education
    c) engineering
    d) employment
117. India and Chile signs MoU's on three fields
    a) medicine, culture and empowerment of persons with disabilities
    b) mining, education and empowerment of persons with disabilities
    c) mining, culture and empowerment of persons with disabilities
    d) mining, culture and education of persons with disabilities
118. Which one of the following is not made of soft iron?
    a) Core of dynamo
    b) Core of transformer
    c) Electromagnet
    d) Magnet of loudspeaker
119. Rs. 2348 crore bank fraud case was filed by CBI on
    a) Raigarh Power & Steel
    b) Raipur Power & Steel
    c) Jindal Power & Steel
    d) Bhushan Power & Steel
120. The world's first nationwide 5G mobile networks was launched by
    a) China
    b) South Korea
    c) India
    d) US
121. CBDT stands for
    a) Central Board Of Direct Taxes
    b) Central Board Of Digital Taxes
    c) Central Board Of Distict Taxes
    d) Central Board Of Definite Taxes
122. Which social networking site has launched its first interactive game show 'Confetti' in India?
    a) Twitter
    b) Snapchat
    c) Facebook
    d) Instagram
123. _____ is elected as World Bank President.
    a) David Malpass
    b) Robert B. Zoellick
    c) Jim Yong Kim
    d) Lewis Preston
124. Which Football team stood first in the end-of-the-year FIFA global rankings 2018?
    a) Belgium
    b) France
    c) Switzerland
    d) Germany

125. Sir Garfield Sobers Trophy for ICC Cricketer of the Year2018 is awarded to
    a) David Warner
    b) Aaron Finch
    c) Kane Williamson
    d) Virat Kohli

126. Khelo India Youth games 2019 was held at
    a) Pune
    b) West Bengal
    c) Delhi
    d Amristar

127. Aber is the digital currency of
    a) Saudi Arabia
    b) Malasia
    c) China
    d) Indonasia

128. Which app was launched recently to assist engineering students on practical aspects?
    a) WiproEQ
    b) CTSTQ
    c) InfyTQ
    d) SiemensEQ

129. The first ever Robot Spacecraft to probe planet Venus was named
    a) Challenger
    b) Newton
    c) Magellan
    d) Gallileo

130. Rayon is chemically
    a) cellulose
    b) pectin
    c) glucose
    d) amylase

131. Biosphere reserves differ from national parks and wildlife sanctuaries because in the former
    a) human beings are not allowed to enter
    b) people are an integral part of the system
    c) plants are paid greater attention than the animals
    d) living organisms are brought from all over the world and preserved for posterity

132. Which state of India ranks first in the production wind energy ?
    a) Kerala
    b) Tamil Nadu
    c) Gujarat
    d) Andhra Pradesh

133. Which of the following scientist is not associated with 'nanotechnology' ?
    a) Heinrich Rohrer
    b) James P. Allison
    c) Norio Taniguchi
    d) Richard Feynman

134. Which of the following is famous for Siberian crane, cormorant, storks spoon bills ?
    a) Sariska
    b) Ranathambhore
    c) Loktak Lake
    d) Keoladeo National Park

135. Which of the following is used for removing air bubbles from glass during its manufacture?
    a) Arsenous oxide
    b) Potassium carbonate
    c) Soda ash
    d) Feldspar

136. Butter is colloid formed when
    a) Proteins are dispersed in water
    b) Water is dispersed in fat
    c) Fat globules are dispersed in water
    d) Carbohydrates are dissolved in water

137. Which one is found only in RNA?
    a) Cytosine
    b) Adenine
    c) Uracil
    d) Guanine

138. The World Biodiversity Day is celebrated annually on
    a) 5th June
    b) 29th December
    c) 22nd May
    d) 16th September

139. What is the maximum character length allowed by Twitter ?
    a) 140
    b) 200
    c) 280
    d) Unlimited

140. The absorption of radio waves by the atmosphere depends on
    a) their frequency
    b) the polarisation of the wave
    c) their distance from the transmitter
    d) the polarisation of the atmosphere

141. The term 'chukker' is used in
    a) Rifle shooting
    b) Horse racing
    c) Wrestling
    d) Polo

142. Companion cells are unique to
    a) Bryophytes
    b) Pteridophytes
    c) Angiosperms
    d) Gymnosperms

143. How many oxygen atoms lined up in a row would fit in a one nanometer space?
    a) 'None; an oxygen atom is bigger than 1 nm
    b) two
    c) four
    d) seven

144. What is graphene?
    a) A new material made from carbon nanotubes
    b) A one-atom thick sheet of carbon
    c) Thin film made from fullerenes
    d) A software tool to measure and graphically represent nanoparticles

145. The transgenic animals are those which have
    a) foreign DNA in some of their cells
    b) foreign DNA in all of their cells
    c) foreign RNA in all of their cells
    d) Both (a) and (c)

146. Who has become the Youngest Parliamentarian in the General election, 2019?
    a) Ramya Haridas
    b) Sumalatha Kapoor
    c) Chandrani Murmu
    d) Priya Singh

147. Which state government of India has won the 2019 WHO award for tobacco control?
    a) Rajasthan
    b) Haryana
    c) Tamil Nadu
    d) Gujarat

148. National Biodiversity Authority is located at
    a) Shimla
    b) Hyderabad
    c) Chennai
    d) Kolkata

149. Who has been sworn-in as new Prime Minister of Australia?
    a) Malcolm Turnbill
    b) Peter Williamson
    c) Scott Morrison
    d) David Smith

150. Which state government has decided to set up India's first 'Blockchain District'?
    a) Punjab
    b) Karnataka
    c) Telengana
    d) Maharashtra

151. Identify the non Green House gas from the following
    a) Methane
    b) Nitrous oxide
    c) Sulphur hexafluoride
    d) Carbon monoxide

152. On June 1, 2019 which football team has won the 2019 Champions League trophy?
    a) FC Barcelona
    b) Real Madrid
    c) Liverpool FC
    d) Tottenham Hotspur

153. NGTS-4b, which is in news recently, is associated to which of the following planets?
    a) Neptune
    b) Jupiter
    c) Uranus
    d) Mars

154. The 2nd edition of World Bicycle Day (WBD-2019) is observed on which date?
    a) June 1
    b) June 3
    c) June 9
    d) June 11

155. Exercise 'Kharga Prahar-2019' has recently carried out by the Indian Army in which of the following states?
    a) Haryana
    b) Uttarakhand
    c) Punjab
    d) Rajasthan

156. Biofertilizers convert nitrogen to _____ .
    a) nitrates
    b) ammonia
    c) nitrogenase
    d) amino acids

157. In Global Peace Index 2018, India ranked _____ among 163 countries.
    a) 121st
    b) 126th
    c) 129th
    d) 136th

158. In which year did the Euro, the currency of the European Union, come into existence ?
    a) 1999
    b) 2000
    c) 2003
    d) 2005

159. Sentinelese Tribe, which is in news recently, is located in which of the following islands?
    a) North Sentinel Island
    b) South Sentinel Island
    c) Kondul Island
    d) Bompuka Island

160. The study of 'end things' is known as
    a) Eschatology
    b) Endology
    c) Entomology
    d) Morphology

161. Silver gets corroded due to presence of _____ in air.
    a) Oxygen
    b) Hydrogen Sulphide
    c) Carbon dioxide
    d) Nitrogen

162. Theodolite is an instrument is used by —
    a) Pilots
    b) Navigators
    c) Cartograhers
    d) Surveyors

163. The theme of 9th National Voters Day observed on 25 January 2019 was
    a) Go to booth early
    b) Caste your vote Peacefully
    c) No voter to be left behind
    d) Caste your vote properly

164. The 'Kyoto Protocol' is related to
    a) reduction of green house gas emissions
    b) non-proliferation of nuclear weapons
    c) conservation of forests and wildlife
    d) prevention of slavery and forced labour

165. Nag is a –
    a) Surface to surface missile
    b) Surface to air missile
    c) Ballistic missile
    d) Anti tank missile

166. Where is the 'Mauna Kea' a dormant volcano located ?
    a) Sumatra Island
    b) Hawaii Island
    c) Gapapagas Island
    d) Cape Verde

167. Buddha Nullah has been the main source of Pollution of which among the following rivers ?
    a) Chambal
    b) Sutlej
    c) Yamuna
    d) Gandak

168. Ammonia is converted into urea in
    a) liver
    b) stomach
    c) pancreas
    d) intestine

169. Where is Roop Singh Stadium located ?
    a) Gwalior
    b) Indore
    c) Bhopal
    d) Jabalpur

170. Which of the following is an indigenously built light combat aircraft of India ?
    a) Akash
    b) Vikrant
    c) Tejas
    d) Arjun

171. In which of the following summits green climate fund was finalised ?
    a) Copenhegen
    b) Cancun
    c) Durban
    d) Bali

172. Transgenic plants are developed by
    a) Introducing foreign genes
    b) Introducing gene mutations
    c) Deleting certain chromosomes parts
    d) Stopping spindle formation

173. Integral Coach Factory is located in –
    a) Varanasi
    b) Chittaranjan
    c) Gorakhpur
    d) Perambur

174. "Swati" developed by DRDO is –
    a) Weapon Locating Radar
    b) Anti tank mine
    c) Rocket Launcher
    d) Smart airfield bomb

175. Who among the following is the Persian mathematician and poet composer of the world famous Rubbayat?
    a) Omar Khayyam
    b) Muhammad Iqbal
    c) Sultan Bahu
    d) Mirza Ghalib

176. Which is related to genetic engineering?
    a) Plastid
    b) Plasmid
    c) Heterosis
    d) Mutation

177. Every kilogram of seawater has approximately how much dissolved salts?
    a) 1 gm
    b) 0.35 gms
    c) 3.5 gms
    d) 35 gms

178. Which among the following country administers "Coco Islands" located in Andaman sea?
    a) Thailand
    b) Myanmar
    c) Sri Lanka
    d) Indonesia

179. The word "El Niño" comes from which among the following languages?
    a) Arabic
    b) French
    c) Spanish
    d) Portuguese

180. Which among the following is measured by an Odometer?
a) Pressure
b) Height
c) Distance
d) Velocity

181. Which of the following caused radioactive pollution along the coast of Kerala?
a) Plutonium
b) Polonium
c) Thorium
d) Radium

182. Which among the following cities is called "Zero Mile Center" because of its location on India's Geographic center?
a) Bhopal
b) Nagpur
c) Jabalpur
d) Indore

183. In which country is located ' Al 'Aziziyah, the hottest place on earth?
a) Libya
b) Sudan
c) Egypt
d) Nigeria

184. Who is appointed as the chairman and Managing Director of ITC Ltd. ?
a) Sanjib Mehta
b) Subir Goyel
c) Aloke Sharma
d) Sanjib Puri

185. The biogas used for cooking is a mixture of which of the following ?
a) Carbon dioxide & oxygen
b) Isobutane & propane
c) methane & carbon monoxide
d) Methane & carbon dioxide

186. Famous folk singer Amar Pal passed away on 19th May, 2019. He sung a popular song of which film of Satyajit Ray ?
a) Sonar Kella
b) Gupi Gayen Bagha Bayen
c) Hirak Rajar Deshe
d) Joybaba Felunath

187. As per financial year 2018-19 Reliance Industries achieved top position according to Yearly turnover and profit margin. Now which company ranked 2nd position ?
a) Indian Oil Corporation
b) Steel Authority of India
c) Oil and Natural Gas Commission
d) Infosys

188. The supercyclone 'Phani' struck orissa coast on 3rd May, 2019. This name was given by which country?
a) Sri Lanka
b) India
c) Bangladesh
d) Myanmar

189. Recently a famous sports person P. Kannan passed away. He was associated with which sports ?
a) Hockey
b) Lawn Tennis
c) Football
d) Table Tennis

190. In April, 2019 Asian Athletics Championship was held in which country ?
a) UAE
b) Qatar
c) Japan
d) Iran

191. The highest per capita emitter of Carbon dioxide in the world is
a) US
b) China
c) Japan
d) Qatar

192. Bishnoi tribe are found in –
a) Central Madhya Pradesh
b) Eastern Himachal Pradesh
c) Western Rajasthan
d) Southern Tamil Nadu

193. Tirupati temple is in which of the following biosphere reserves ?
a) Nilgiris
b) Amarkantak
c) Simachalam hills
d) Seshachalam hills

194. Which state has maximum number of tigers in india?
a) West Bengal
b) Madhya Pradesh
c) Karnataka
d) Uttarakhand

195. In many countries, Boxing Day is celebrated on which of the following days?
a) A day after Christmas Day
b) A Day before Christmas Day
c) Last Day of a Year
d) First Day of a Year

196. Who among the following is the first Indian to score a century in Indian Premier League (IPL)?
a) Gautam Gambhir
b) Manish Pandey
c) Suresh Raina
d) Sanju Samson

197. WL-711, DWL-5023 are varieties of –
a) Wheat
b) Rice
c) Maize
d) Bajra

198. Which of the following three R's are regarded as environment friendly ?
a) Reduce, Reuse, Recycle
b) Read, Register, Recall
c) Random, Reduce, Recall
d) Reduce, Rebuild, Restrict

199. IMBEX 2018-19 – a joint military exercise was conducted in January 2019 by India and
a) Philipines
b) Indonesia
c) Japan
d) Myanmar

200. Shaphee Lanphee, a traditional textile fabric, is a GI product from which of the following states?
a) Assam
b) Manipur
c) Jammu & Kashmir
d) Andhra Pradesh

————

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TEST BOOKLET
PAPER - V

Test Booklet Series

A

Time allowed : 3 hours

Full marks : 200

Answer all the questions.
Questions are of equal value.

Registration No :

Signature of the Candidate :

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 9 pages including this front page, containing 200 Questions. Verify the page Nos. and Test Booklets Series on each page and bring at once to the invigilator's notice any discrepancy.

2. Answers will have to be given in the special Answer-Sheet supplied for the purpose.

3. Before you proceed to mark in the Answer-Sheet in Response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**

4. All questions are of multiple-choice answer-type. You will *four* probable answers **(A), (B), (C) and (D)** against each question. Find out which of the four answers appears to be correct or the best. Now darken the oval corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the admit Card and in the Answer-Sheet.

5. If more than one oval is encoded for a particular answer, it will be treated as a wrong answer.

6. **There will be negative marking for wrong answers. $1/3$ mark will be deducted for each wrong answer.**

7. **There are blank pages at the backside of each pages of this booklet for Rough Work.**

8. **The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.**

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Test Booklet Series
A

WBCS (Exe) Examination (Mains), 2019
MOCK TEST

Full Marks : 200   Test Code : M1921   Time : 3 hours

Answer all questions. Each question carries 1 mark. 1/3rd mark will be deducted for each wrong attempt.

1. Fiscal Deficit is
   a) Total Expenditures – Total receipts
   b) Revenue expenditures – Revenue receipts
   c) Capital expenditures – Capital receipts – Borrowings
   d) Sum of Budget deficit and Government's market borrowings and liabilities

2. The banks are required to maintain a certain ratio between their cash in the hand and totals assets. This is called
   a) Statutory Bank Ratio (SBR)
   b) Statutory Liquid Ratio (SLR)
   c) Central Bank Reserve (CBR)
   d) Central Liquid Reserve (CLR)

3. Devaluation of currency will be more beneficial if
   a) prices of domestic goods remain constant
   b) prices of exports remain constant
   c) prices of imports remains constant
   d) prices of exports rise proportionately

4. The annual yield from which of the following Union Government taxes is the highest?
   a) Custom duties
   b) Corporation tax and income tax
   c) Inheritance tax, wealth tax, interest tax and gift tax
   d) Excise duties

5. In India, inflation measured by the
   a) Wholesale Price Index number
   b) Consumers Price Index for urban non-manual workers
   c) Consumers Price Index for agricultural workers
   d) National Income Deflation

6. National Agricultural Insurance Scheme replacing Comprehensive Crop Insurance Scheme was introduced in the year
   a) 1997   b) 1998
   c) 1999   d) 2000

7. Subsidies mean
   a) payment by government for purchase of goods and services
   b) payment made by business enterprises to factors of production
   c) payment made by companies to shareholders
   d) payment made by the government to business enterprises, without buying any goods and services

8. Which state has maximum branches of public sector commercial banks ?
   a) UP   b) Maharashtra
   c) Karnataka   d) Gujarat

9. The average annual growth rate of agriculture & allied sector in the Eleventh Five Year Plan has been achieved at
   a) – 0.3%   b) 5.7%
   c) 3.1%   d) 3.6%

10. Fiscal Policy refers to
    a) Agricultural Fertilizer Policy
    b) Rural Credit Policy
    c) Interest Policy
    d) Revenue and Expenditure Policy

11. Which is the first Export Processing zone declared as Free Trade Zone in India?
    a) Santacruz   b) Kandla
    c) Falta   d) Noida

12. 'Backwash Effect' was firstly introduced by
    a) Gunnar Myrdal   b) Peter suderland
    c) Arthur Dunkel   d) Kindelberger

13. Meera Seth Committee was related to
    a) Development of all handlooms
    b) Sex-differentiation in employment
    c) Abolition of child Labour
    d) Welfare of working women

14. Finance Commissions appointed by the President under Article
    a) 256   b) 280
    c) 293   d) 356

15. SAPTA' is related to
    a) Education   b) Trade
    c) Security   d) Environment

16. As per Rangarajan Committee (2014) the minimum calorie required for an adult rural person is –
    a) 1800 cal   b) 2000 cal
    c) 2400 cal   d) 3000 cal

17. 'White Collar Workers' are included in which sector?
    a) Secondar sector   b) Tertiary sector
    c) Quarternary sector   d) Quinary sector

18. Which state in India has introduced Spice bond?
    a) UttaraKhand   b) Assam
    c) Gujarat   d) Kerala

19. Which of the following countries have Dualistic Economy ?
    a) India   b) Japan
    c) Germany   d) Brazil

20. As per recent report of World Bank _____ million people of India are below poverty line.
    a) 250   b) 270
    c) 300   d) 320

21. During which decade did the population record a negative growth rate in India ?
    a) 1921-1931   b) 1911-1921
    c) 1941-1951   d) 1931-1941

22. Which one of the following institutions prepares the National Income Estimates in India ?
    a) Planning Commission
    b) Reserve Bank of India
    c) Central Statistical Organisation
    d) Indian Statistics Institute

23. Which one of the following states has the highest percentage of poverty according to the Suresh Tendulkar Commission in India ?
    a) Bihar   b) West Bengal
    c) Odisha   d) Chhattisgarh

24. In which of the following types of the economy are the factors of production owned individually?
    a) Socialist   b) Capitalist
    c) Mixed   d) Both a) and (b)

25. Which one of the following is correct about the Laffer Curve ?
    a) It is the relationship between the unemployment and growth rate of GDP of a country
    b) It is the relationship between the inflation and the trend of changes in labour pattern
    c) It is the relationship between government revenue raised by taxation and all possible rates of taxation
    d) None of the above

26. Who presented the first Union Budget of Independent India ?
    a) Morarji Desai   b) John Mathai
    c) R.K.S. Chetty   d) C.D.Deshmukh

27. Who was the Chairman of the Sixth Pay Commission established by Indian Government?
    a) C. Bangar   b) B.N.Srikrishna
    c) C. Rangarajan   d) None of these

28. What is the position of India in the term of proven coal reserves in the world ?
    a) First   b) Second
    c) Third   d) Fourth

29. During which Five Year Plan was the emergency clamped, new election took place and Janata Party was elected ?
    a) Third Plan   b) Fourth Plan
    c) Fifth Plan   d) Sixth Plan

30. Who presides over the National Development Council of India ?
    a) Deputy Chairman of the Planning Commission of India
    b) Prime Minister of India

    c) Finance Minister of India
    d) Vice President of India

31. Which one of the following plans is also known as 'Gadgil Yojana' ?
    a) Second FYP   b) Fourth FYP
    c) Third FYP   d) Sixth FYP

32. Which one of the following plan years is the year for the Twelfth Five Year Plan of Indian Economy?
    a) Fourth FYP   b) Sixth FYP
    c) Eight FYP   d) Tenth FYP

33. Which one of the following agencies assigns the Agricultural Income Tax to states in India ?
    a) Inter-state Council
    b) National Development Council
    c) Agricultural Finance Corporation
    d) Finance Commission

34. Which one of the following agencies of Indian Government implements the Price Support Scheme (PSS) ?
    a) FCI   b) NAFED
    c) Agricultural Pricing Agency of India
    d) None of the above

35. In which one of the following Five Year Plans, the National Horticulture Mission (NHM) was launched in India ?
    a) Eighth FYP   b) Ninth FYP
    c) Tenth FYP   d) Eleventh FYP

36. When did the Kisan Credit Card Schemes for the farmers started in India ?
    a) 1995-1996   b) 1998-1999
    c) 2005-2006   d) 2007-2008

37. Which one of the following states is the first state to impose Agriculture Income Tax in India ?
    a) Madhya Pradesh   b) Uttar Pradesh
    c) Paschim Banga   d) Bihar

38. National Seed Policy, 2002 is based on the recommendation of
    a) Kelkar Committee
    b) MV Rao Committee
    c) Y V Reddy Committee
    d) Abhijit Sen Committee

39. Which one of the following is the best source of generating electricity in india from the view point of sustainable development?
    a) Coal   b) Mineral oil and gas
    c) Hydro-electricity   d) Atomic energy

40. The basic aim of Lead Bank Scheme is that
    a) big banks should try to open offices in each district
    b) there should be stiff competition among the various nationalized banks
    c) individual banks should adopt particular districts for intensive development
    d) all the banks should make intensive efforts to mobilize deposits

41. Swaroop Committee is associated with
    a) financial products marketing
    b) sugar marketing
    c) banking   d) capital marketing
42. Which one of the following Industrial sector does not belong to the Sunrise Industries of Indian Economy ?
    a) Telecommunication   b) Biotechnology
    c) Micro-electronics   d) Non-ferous metal
43. World Investment Report is published by which of the following ?
    a) WEF   b) WTO
    c) GATT   d) UNCTAD
44. Who coined the term 'Stagflation' in the economy?
    a) Lain Macleod   b) Milton Friedman
    c) J M Keynes   d) William Philips
45. Which law stated that the size of a firm and its growth rate are independent ?
    a) Gibrat's law   b) Goodhart's law
    c) Hubbert's law   d) None of these
46. Which one among the following is an appropriate description of deflation ?
    a) It is a sudden fall in the value of a currency against other currencies
    b) It is a persistent recession in the economy.
    c) It is a persistent fall in the general price level of goods and services
    d) It is fall in the rate of inflation over a period of time
47. Which one of the following has been the main measure of the rate of inflation in India ?
    a) Consumer Price Index
    b) Consumer Price Index - Industrial Worker
    c) Consumer Price Index - Agriculture Labour
    d) Wholesale Price Index
48. Which state in India imposed the General Sales Tax for the first time ?
    a) Madras   b) Bombay
    c) Calcutta   d) Poona
49. In India, deficit financing is used for raising resources for
    a) Economic development
    b) Redemption of public debt
    c) Adjusting the balance of payments
    d) Reducing the foreign debt
50. Which Committee's recommendations are being followed for estimating Poverty Line in India?
    a) Dutt Committee
    b) Chelliah Committee
    c) Chakravorty Committee
    d) Lakdawala Committee
51. In the Rajya Sabha, the States have been given seats
    a) in accordance with their population
    b) equally
    c) on the basis of population and economic position

d) on the basis of present economic status
52. The term of the Lok Sabha
    a) cannot be extended under any circumstances
    b) can be extended by six months at a time
    c) can be extended by one-year at a time during the proclamation of emergency.
    d) can be extended by two-year at a time during the proclamation of emergency.
53. The Speaker of Lok Sabha can be removed from his office before the expiry of his term
    a) by the President on the recommendation of Prime Minister
    b) if the Lok Sabha passes a resolution to this effect
    c) if the Lok Sabha and Prime Minister decides so
    d) if the both the Houses of Parliament pass a resolution to this effect
54. What will follow, if a Money Bill is substantially amended by the Rajya Sabha ?
    a) The Lok Sabha may still proceed with the bill, accepting or not accepting the recommendations of the Rajya Sabha
    b) The Lok Sabha cannot consider the bill further
    c) The Lok Sabha may send the bill to the Rajya Sabha for reconsideration
    d) The President may call a joint sitting for passing the bill
55. Reservation of seats for SC and ST was started in the year
    a) 1950   b) 1951
    c) 1952   d) 1960
56. How can a first class Judicial Magistrate be recruited?
    a) By the Governor after consultation with State Public Service Commission
    b) By the Government after consultation with the High Court
    c) By the Governor after consultation with the Public Service Commission and the High Court
    d) By the Governor alone
57. Which one among the following writs literally means 'you may have the body' ?
    a) Certiorari   b) Habeas corpus
    c) Mandamus   d) Quo warranto
58. Match List I with List II and select the correct answer by using the codes given below the lists.
    List I   List II
    A. Article-156 1. Executive Authority of Governor
    B. Article-154 2. Tenure of Governor
    C. Article-153 3. Appointment of Governor
    D. Article-155 4. Office of Governor
    Codes
      A B C D   A B C D
    a) 1 2 3 4   c) 2 1 4 3
    b) 3 2 4 1   d) 3 4 1 2

59. Out of 543 Lok Sabha constituencies, how many Lok Sabha constituencies are from the States ?
a) 525   b) 528
c) 530   d) 532

60. According to the Article-82 of the Constitution of India, the allocation of seats in Lok Sabha to the States is on the basis of the _____ census.
a) 1961   b) 1971
c) 1981   d) 1991

61. Consider the following statements about the jurisdiction of Supreme Court of India. Which of the following is correctly matched ?
a) Original jurisdiction settles disputes between union and states and among states
b) Appellate jurisdiction tries appeals from lower courts in civil criminal and constitutional cases
c) Advisory jurisdictions advises the President on matters of public importance and law
d) All are correctly matched

62. How many types of writs can be issued by the Supreme Court ?
a) 2   b) 3
c) 5   d) 6

63. The Constitution of India does not contain any provision for the removal of
a) The President
b) The Vice-President of India
c) The Chief Justice of India
d) The Governor of a State

64. The Panchayat Raj is based on the principle of
a) de centralisation   b) devolution
c) democratic de-concentration
d) democratic descentralisation

65. Which of the following is not a recommendation of the Ashok Mehta Committee on Panchayati Raj ?
a) Open participation of political parties in Panchayati Raj affairs
b) Creation of a three-tier system
c) Reservation of seats for scheduled castes and scheduled tribes
d) compulsory powers of taxation to Panchayati Raj institution.

66. Which one of the following is the largest (area-wise) Lok Sabha Constituency ?
a) Kangra   b) Ladakh
c) Kachchh   d) Unnao

67. The Committee of Parliament on Official Language comprises the members
a) 20 from Lok Sabha and 10 from Rajya Sabha
b) 10 from Lok Sabha and 20 from Rajya Sabha
c) 10 from Lok Sabha and 10 from Rajya Sabha
d) 20 from Lok Sabha and 20 from Rajya Sabha

68. Which article of the Constitution permits the Supreme Court to review its own judgement or order ?
a) Article 137   b) Article 138
c) Article 139   d) Article 141

69. With reference to the conduct of government business in the Parliament of India, the term 'Closure' refers to
a) suspension of debate at the termination of a day is sitting of the Parliament
b) a rule of legislative procedure under which further debate on a motion can be hailed
c) the termination of a Parliamentary session
d) refusal on the part of the Government to have the opposition look at important documents

70. Town Area Committee is constituted and governed by
a) Governor   b) Municipal Council
c) State Legislature   d) District Board

71. Which of the following statements is not correct regarding the Scheduled Areas ?
a) The President is empowered to declare an area to be a Scheduled Area
b) The executive powers of a state extends to the Scheduled Areas.
c) Each State having Scheduled Areas has to establish a Tribal Advisory Council to advise on the welfare of the STs
d) The Tribal Advisory Council shall consist of 30 members, three-fourth of whom should be from STs.

72. The 79th Amendment of the Constitution related to :
a) Centre-State Relations
b) Establishment of two political parties
c) Delhi became National Capital Region
d) reservation of SCs and STs in the Lok Sabha and State Assemblies

73. The strength of the UPSC is determined by
a) the President from time to time
b) the Parliament
c) the Presidential Ordinance in 1952
d) It is fixed by the Constitution

74. "The Constitution should give India Domination Status", was a proposal in ?
a) Cabinet Mission Plan
b) Cripps Mission
c) The Mountbatten Plan
d) Simon Commision

75. Which of the following statements is not correct?
a) Business in Parliament shall be transacted in Hindi or English
b) The Chairman of Rajya Sabha or Speaker may ; allow any person to express himself in his mother tongues.
c) Language of the Parliament is provided in Article-119 of the Constitution
d) All of the above

76. Which of the following Chief Justices of India acted as the President of India also ?
    a) Justice M Hidayatullah
    b) Justice P.N.Bhagwati
    c) Justice Mehar Chand Mahajan
    d) Justice B.K. Mukherjee

77. Which one of the following committee is not associated with Panchayati Raj in India ?
    a) Sadia Ali Committee
    b) L.M.Singhvi Committee
    c) Dinesh Goswami Committee
    d) P. K. Thungan Committee

78. The Ordinance of the Governor
    a) is much narrower than a law made by the State Legislature
    b) is more extensive than the law made by the State Legislature
    c) has the same force as the law made by the State Legislature
    d) has little value than the law made by State Legislature

79. The Constitution (98th Amendment) Act is related to
    a) empowering the centre to levy and appropriate service tax
    b) the Constitution of the National Judicial Commission
    c) readjustment of electoral constituencies on the basis of the population Census 2001
    d) the demarcation of new boundaries between states

80. Members of Rajya Sabha are not associated with
    1. Public Accounts Committee
    2. Estimates Committee
    3. Committee on Public Undertakings
    Choose the right answer from the options given below :
    a) 1 and 2   b) Only 1
    c) Only 2   d) 1 and 3

81. The Supreme Court of India enjoys
    a) Original jurisdiction
    b) Advisory jurisdiction
    c) Appellate and Advisory Jurisdiction
    d) Original, Appellate and Advisory Jurisdiction

82. The total strength of the Legislative Council is
    a) one-third of the total membership of Legislative Assembly but it should not be less than 40
    b) equal to the strength of the State Legislative Assembly
    c) half the strength of the total membership of the State Legislative Assembly
    d) one-third of the total membership of the Legislative Assembly but it should not be less than 100

83. The Finance Commission is primarily concerned with recommending to the President about
    a) the principle governing Grant-in-aid to be given to the States
    b) distributing the net proceeds of the taxes between the Centre and the States
    c) Both a) and (b)
    d) Neither a) nor b)

84. Which one of the following is NOT mentioned in the Preamble to the Constitution?
    a) Dignity of the individual
    b) Dignity of the Constitution
    c) Fraternity
    d) Unity and integrity of the Nation

85. Lame-duck session of Parliament means
    a) The first session of Parliament after the elections to the Lok Sabha
    b) The last session of Parliament before the dissolution of the Lok Sabha
    c) The session of Parliament in which the no-confidence motion is discussed
    d) A session of Parliament, which fails to pass any Bill.

86. Which one of the following motions has contextual relationship with the Union Budget ?
    a) Censure motion   b) Call Attention motion
    c) Cut motion   d) Adjournment motion

87. Which Constitutional Article defines 'Constitution of Municipalities' ?
    a) Article- 243M   b) Article - 243 I
    c) Article - 243 L   d) Article - 243 Q

88. Which one of the following expenditures is not charged on the Consolidated Fund of India ?
    a) Salary and allowances of the President of India
    b) Salaray and allowances of the Vice-President of India
    c) Salary and allowances of the Justice of the Supreme Court of India
    d) Salary and allowances of the Speaker of the Lok Sabha

89. If a no-confidence motion is passed against a Minister
    a) The concerned Minister has to resign
    b) The whole council of Ministers has to resign
    c) The Lok Sabha has to be dissolved .
    d) The Prime Minister and the concerned Minister have to resign

90. Which Article of the Constitution defines the duties of Chief Minister ?
    a) Article 162   b) Article 164
    c) Article 165   d) Article 167

91. The first joint sitting of both the Houses of the Indian Parliament was held in connection with
    a) Dowry abolition Bill
    b) Hindu Code Bill
    c) Bank Nationalisation Bill
    d) Gold Control Bill

92. Which of the following is not correctly matched?
    a) Cut motion : demand to reduce allocation of funds
    b) Guillotine : bring the debate to an end
    c) Division : mode of arriving at a decision
    d) Point of order : put an end to the business of the day

93. Which of the following are the types of authority attributed to the President of India?
    a) Real and popular
    b) Titular and de-jure
    c) Political and nominal
    d) Constitutional and nominal

94. In 2013 three North-East states got their own High Court. They are
    a) Nagaland, Tripura & Arunachal Pradesh
    b) Nagaland, Mizoram, Manipur
    c) Nagaland, Meghalaya & Tripura
    d) Meghalaya, Manipur & Tripura

95. In which year the calcutta high court was established ?
    a) 1858   b) 1862
    c) 1865   d) 1872

96. To whom does the Public Accounts Committee submit its report ?
    a) Chairman of Rajya Sabha
    b) Speaker of Lok Sabha
    c) President of India
    d) Union Finance Minister

97. The original constitution had
    a) 12 parts 6 Schedules 309 articles
    b) 20 parts 8 schedules 395 articles
    c) 22 parts 5 schedules 295 articles
    d) 22 parts 8 schedules 395 articles

98. Which among the following is true for the Supreme Court of India?
    a) Federal Court
    b) Court of Appeal
    c) Guardian of the Constitution
    d) All of these

99. Which parliamentary committee in India is normally chaired by a prominent member of the opposition ?
    a) Committee on Government Assurances
    b) Estimates Committee
    c) Privileges Committee
    d) Public Accounts Committee

100. The President can dismiss a member of the Council of Ministers
    a) with the consent of the Speaker
    b) only under emergency conditions
    c) on the recommendation of the Prime Minister
    d) on his own

101. Which of the following most closely approximates our definition of oligopoly ?
    a) The cigarette industry
    b) The barber shops
    c) The gasoline stations
    d) Wheat farmers

102. 'Soft Loan Window' of the World Bank is an institution, that is –
    a) IDA   b) IFC
    c) IBRD   d) None of these

103. Operation Blackboard aims at
    a) promoting adult literacy
    b) providing education to urban slum dwellers
    c) opening of new schools specially for female children
    d) providing primary education in an educationally backward area

104. Depreciation means
    a) closure of a plant due to lock out
    b) closure of a plant due to labour trouble
    c) loss of equipment over time due to wear and tear
    d) destruction of a plant in a fire accident

105. Indirect tax means :
    a) there is not direct relationship between the tax payer and the government
    b) direct relationship between tax payer and the government
    c) tax base is income
    d) the incidence and impact are on the same person on whom tax is imposed

106. The EXIM Bank of India was established in :
    a) 1964   b) 1976
    c) 1982   d) 1986

107. Investment is equal to :
    a) gross total of all types of physical capital assets
    b) gross total of all capital assets minus wear and tear
    c) stock of plants, machines and equipments
    d) None of the above

108. Under which 5-year plan did the Government introduce an agricultural strategy which gave rise to Green Revolution ?
    a) Sixth Plan   b) Second Plan
    c) Fourth Plan   d) Third Plan

109. Which one of the following is NOT an example of indirect tax ?
    a) Sales tax   b) Excise duty
    c) Customs duty   d) Expenditure tax

110. The major aim of devaluation is to :
    a) encourage imports
    b) encourage exports
    c) encourage both exports and imports
    d) discourage both exports and imports

111. Structural unemployment arises due to :
    a) deflationary conditions
    b) heavy industry bias
    c) shortage of raw materials
    d) inadequate productive capacity

112. Under which Act/Policy was the BIFR established ?
    a) Industrial Policy of 1980
    b) Companies Act
    c) Sick Industrial Companies Act
    d) MRTP Act

113. Say's Law of Market holds that
    a) supply is not equal to demand
    b) supply creates its own demand
    c) demand creates its own supply
    d) supply is greater than demand

114. What is USP in marketing field ?
    a) Uninterrupted power supply
    b) Universal standards of production
    c) US Programme based
    d) Exclusive marketing features

115. What does a Leasing Company provide ?
    a) Machinery and capital equipment on hire
    b) Legal guidance in establishing an enterprise
    c) Office accommodation on hire
    d) Technical consultancy and experts for a fee

116. 'Marginal efficiency of capital' is
    a) expected rate of return on new investment
    b) expected rate of return of existing investment
    c) difference between rate of profit and rate of interest
    d) value of output per unit of capital investment

117. Which of the following is not a role assigned to Science and Technology Entrepreneurship Parks ?
    a) Training
    b) Testing and Calibration
    c) Technology development
    d) Raising funds for entrepreneurs

118. World Bank helps countries with loans for the purpose of
    a) reconstruction and development
    b) stimulating private investment
    c) tackling foreign exchange crisis
    d) meeting deficits in government budget

119. A Scheduled Bank is one which is included in the
    a) II Schedule of Banking Regulation Act
    b) II Schedule of Constitution
    c) II Schedule of Reserve Bank of Indian Act
    d) None of these

120. National income refers to
    a) money value of goods and services produced in a country during a year
    b) money value of stocks and shares of a country during a year
    c) money value of capital goods produced by a country during a year
    d) money value of consumer goods produced by a country during a year

121. To achieve high rates of growth of national output, the economy has to
    a) reduce the rate of growth of population
    b) borrow foreign capital
    c) step up the rate of savings
    d) increase the rate of investment and reduce the capital output ratio

122. Average Revenue means
    a) the revenue per unit of commodity sold
    b) the revenue from all commodities sold
    c) the profit realised from the marginal unit sold
    d) the profit realised by sale of all commodities

123. The deciding authority of States share in central taxes is the
    a) Finance Commission
    b) Planning Commission
    c) Election Commission
    d) Finance Minister

124. Who has provided the Savings Bank facility to the largest number of account holders in India?
    a) State Bank of India
    b) Punjab National Bank
    c) Allahabad Bank
    d) Post Office

125. What is the extent of change of the literacy rate envisaged by the end of the 10th Five Year Plan?
    a) From 65% to 75%   b) From 60% to 70%
    c) From 50% to 55%   d) From 45% to 50%

126. Special Drawings Rights (SDRs) relate to
    a) The World Bank
    b) The Reserve Bank of India
    c) The World Trade Organization
    d) The International Monetary Fund

127. National income ignores
    a) Sales of a firm   b) Salary of employees
    c) Exports of the IT sector
    d) Sale of land

128. Which one among the following is not true for Special Economic Zones ?
    a) No licence is required for import
    b) Manufacturing and service activities are allowed
    c) No permission for subcontracting
    d) No routine examination of cargo for export/import by customs authorities

129. Who was the first Indian to be a Fellow of the Royal Society of London ?
    a) Srinivas Ramanujan b) A.C. Wadia
    c) C.V. Raman   d) P.C. Mahalanobis

130. A economy is in equillibrium when
    a) planned consumption exceeds planned saving
    b) planned consumption exceeds planned investment
    c) intended investment equals intended investment
    d) intended investment exceeds intended savings

131. Reserve Bank of India keeps some securities against notes. These securities are always less in comparison to
    a) Gold and foreign bonds   b) Gold
    c) Government bonds
    d) Gold, foreign bonds and Government bonds

132. The system of issuing and monitoring of money in the market is known as:
    a) Proportional reserve ratio
    b) Fixed reserve ratio
    c) Minimum reserve ratio
    d) Floating reserve ratio

133. Marginal workers are people with
    a) Less than 183 days of work in a year
    b) More than 183 days of work in a year
    c) Only 183 days of work in a year
    d) None of these

134. Devaluation of money means :
    a) decrease in the internal value of money
    b) decrease in the external value of money
    c) decrease in both internal and external value of money
    d) the government takes back currency notes of any denominations

135. Demand of commodity mainly depends upon
    a) Purchasing will   b) Purchasing power
    c) Tax policy   d) Advertisement

136. What are the main components of basic social infrastructure of an economy ?
    a) Education, Industry and Agriculture
    b) Education, Health and Civil amenities
    c) Transport, Health and Banks
    d) Industry, Trade and Transport

137. The type of note issue system followed in India is
    a) Maximum fiduciary system
    b) Minimum reserve system
    c) Proportional fiduciary system
    d) Fixed fiduciary system

138. The present Indian monetary system is based on
    a) Gold Reserve System
    b) Proportional Reserve System
    c) Convertible Currency System
    d) Minimum Reserve System

139. For which one of the following purposes, the Government has launched the Rajiv Awas Yojana?
    a) To provide affordable houses to people living BPL
    b) To provide affordable houses to rural poor
    c) To provide affordable houses to minorities
    d) To provide affordable houses to slum dwellers and the urban poor

140. In India, the concepts of "minimum heeds" and "directed anti-poverty programmes" were the innovations of :
    a) Fourth Five-year Plan
    b) Fifth Five-year Plan
    c) Sixth Five-year Plan
    d) Seventh Five-year Plan

141. The demand curve for a Giffen good is
    a) upward rising
    b) downward falling
    c) parallel to the quantity axis
    d) parallel to the price axis

142. Which one of the following items is not included in the current account of India's Balance of Payments ?
    a) Short-term commercial borrowing
    b) Non-monetary gold movements
    c) Investment income
    d) Transfer payments

143. Cheap money means
    a) Low rates of interest
    b) Low level of savings
    c) Low level of income
    d) Low level of standard of living

144. The difference between visible exports and visible imports is defined as
    a) Balance of trade
    b) Balance of payment
    c) Balanced terms of trade
    d) Gains from trade

145. Who among the following can join the National Pension System (NPS) ?
    a) Resident Indian citizens only
    b) Persons of age from 21 to 55 only
    c) All State Government employees joining the services after the date of notification by the respective State Governments
    d) All Central Government employees including those of Armed Forces joining the services on or after 1st April, 2004

146. Which of the following brings out the 'Consumer Price Index Number for Industrial Workers' ?
    a) The Reserve Bank of India
    b) The Department of Economic Affairs
    c) The Labour Bureau
    d) The Department of Personnel and Training

147. Which one of the following issues the 'Global Economic Prospects' report periodically ?
    a) The Asian Development Bank
    b) European Bank for Reconstruction and Development
    c) The US Federal Reserve Bank
    d) The World Bank

148. Which one of the following is the correct sequence in the decreasing order of contribution of different sectors to the Gross Domestic Product of India ?
    a) Services-Industry-Agriculture
    b) Services-Agriculture-Industry
    c) Industry-Services-Agriculture
    d) Industry-Agriculture-Services

149. The Nehru-Mahalanobis strategy of development guided the planning practice in India from the
    a) First FYP to the Sixth FYP
    b) Fourth FYP to the Eighth FYP
    c) Second FYP to the Seventh FYP
    d) First FYP to the Eighth FYP

150. Devaluation of currency will be more beneficial if
    a) prices of domestic goods remain constant
    b) prices of exports remain constant
    c) prices of imports remains constant
    d) prices of exports rise proportionately

151. Procedure for creation of Legislative Council in States has been described in which Articles of the Constitution ?
    a) Article 159   b) Article 169
    c) Article 179   d) Article 189

152. Who was the chairman of credential committee ?
    a) N. Krupalani   b) R. Mukherjee
    c) K. Munshi   d) A.K.S. Ayyar

153. A federal structure of India was first put forward by the
    a) Act of 1909   b) Act of 1919
    c) Act of 1935   d) Act of 1947

154. Who among the following is/ are not appointed by the President of India ?
    a) Governors of the States
    b) Chief Justice and Judges of the High Courts
    c) Vice-President
    d) Chief Justice and Judges of the Supreme Court

155. Match List I (Finance Commission) with List II (Chairman) and select the correct answer using the codes given below :
    List I
    A. 9th
    B. 10th
    C. 11th
    D. 12th
    List II
    1. NPK Salve
    2. C. Rangarajan
    3. K.C.Pant
    4. A.M.Khuso
    Codes
	A	B	C	D			A	B	C	D
a)	1	3	4	2		c)	1	2	4	3
b)	2	3	4	1		d)	1	2	3	4

156. Who was the chairman of Second Administrative Reforms Commission ?
    a) Bimal Jalan   b) Karan Singh
    c) M Veerappa Moily   d) Ahmed Patel

157. Who among the following is not a member of the National Development Council?
    a) The Prime Minister
    b) The member of NITI Aayog
    c) The Chief Ministers of States
    d) The President of India

158. How many judges of the Supreme Court have been removed from office through impeachment so far ?
    a) None   b) One
    c) Two   d) Three

159. In the Indian Constitution, cultural and educational rights have been dealt with under Articles—
    a) 30 and 31   b) 29 and 30
    c) 42nd Amendment   d) 24th Amendment

160. India is a secular state because—
    a) it is a socialist country
    b) it treats all religions alike
    c) there is no religion of the people
    d) religious beliefs and practices are discouraged

161. Who appoints the Governor of Jammu and Kashmir ?
    a) the Chief Minister of Jammu and Kashmir
    b) the Chief Justice of High Court of Jammu and Kashmir
    c) the Prime Minister of India
    d) the President of India

162. Sikkim became a new state in the union by the ...... Amendment Act in ....
    a) 32nd ; 1974   b) 35th ; 1975
    c) 36th ; 1975   d) 37th ; 1975

163. The Electronic Voting Machines (EVM) were used for the first time in India in –
    a) 1995   b) 1992
    c) 1998   d) 1996

164. Which is the smallest Lok Sabha Constituency in General Elections by area ?
    a) Delhi Sadar
    b) Mumbai South
    c) Kolkata North West
    d) Chandni Chowk, Delhi

165. The main difference between the pardoning power of the President and Governor is
    1. Unlike President, Governor has no power to grant any relief in death sentences.
    2. Governor cannot pardon in matters enlisted in the Union List.
    3. Governor cannot pardon in cases of Court Martial.
    Codes
    a) 1 and 2   b) 1 and 3
    c) 2 and 3   d) All of the above

166. Consider the following statements
    (i) 110th Amendment Bill seeks to amendment of Article-243D
    (ii) 110th Amendment Bill is as out providing reservation to women one-half of the total seats in Panchayats
    Which of the following statement(s) are correct
    a) (i) only   b) (ii) only
    c) Both (i) and (ii)   d) Neither (i) nor (ii)

167. Sovereignty of Indian Parliament is restricted by
    a) Powers of the President of India
    b) Judicial review
    c) Leader of the opposition
    d) Powers of the Prime Minister of India

168. The number of subjects enumerated in the concurrent list for purpose of Legislation is
    a) 40   b) 47
    c) 50   d) 57

169. In which year was passed the Congress resolution on Fundamental Rights and National Economic Policy ?
     a) 1940   b) 1931
     c) 1921   d) 1935

170. According to the Constitution of India, which of the following are fundamental for the government of the country ?
     a) Fundamental Rights
     b) Fundamental Duties
     c) Directive Principles of State Policy
     d) Fundamental Rights and Fundamental Duties

171. Which of the following are the discretionary powers given to the Governor of a State ?
     1. Sending a report to the President of India for imposing the President's rule
     2. Appointing the Ministers
     3. Reserving certain bills passed by the State Legislature for consideration of the President of India
     4. Making the rules to conduct the business of the State Goverment.
     Select the correct answer using the code given below.
     a) 1 and 2 only   b) 1 and 3 only
     c) 2, 3 and 4 only   d) 1, 2, 3 and 4

172. The power of the Supreme Court of India to decide disputes between the Centre and the States falls under its
     a) Advisory jurisdiction   b) appellate jurisdiction
     c) original jurisdiction   d) writ jurisdiction

173. The members of the Legislative Council are appointed through
     1. direct elections
     2. indirect elections
     3. nomination
     Codes
     a) 1 and 2   b) 2 and 3
     c) 1, 2 and 3   d) 1 and 3

174. The establishment of a Gram Sabha becomes mandatory by
     a) The 71st Amendment of the Constitution
     b) The 72nd Amendment of the Constitution
     c) The 73rd Amendment of the Constitution
     d) The 74th Amendment of the Constitution

175. The present ceiling on the election expenditure for the Lok Sabha is –
     a) 25 lakhs   b) 40 lakhs
     c) 60 lakhs   d) 70 lakhs

176. The National Green Tribunal was established in India in
     a) 2009   b) 2010
     c) 2011   d) 2012

177. The Union Ministers hold office during the pleasure of _____ .
     a) The President
     b) The Prime Minister

c) The Speaker of the Lok Sabha
d) The Chief Justice of Supreme Court

178. The sixth Schedule of the Constitution of India contains provisions for
     a) Administration of tribal areas in the States of Assam, Meghalaya and Mizoram
     b) Administration and control of Scheduled areas of many states
     c) Power and subjects to be looked after by the Union and States
     d) Disqualification of member on grounds of defection

179. Indian Constitution can be amended under which Article ?
     a) Article 362   b) Article 368
     c) Article 372   d) Article 379

180. In what ways does the Indian Parliament exercise control over the administration ?
     a) Through Parliamentary Committees
     b) Through Consultative Committees of various ministers
     c) By making the administrations send periodic reports
     d) By compelling the executive to issue writs

181. The Judges of the High Court can be removed from their office during their tenure
     a) by the Governor, if the State Legislature passes a resolution to this effect by two-third majority
     b) by the Chief Justice on the recommendation of the Parliament
     c) by the President on the basis of a resolution passed by the Parliament by two-third majority
     d) by the Chief Justice on the advice of the President

182. Which Article of the Constitution of India gives a working definition of the Indian State ?
     a) Article 10   b) Article 11
     c) Article 12   d) Article 13

183. Which one of the following is NOT a feature of the Government of India Act of 1935 ?
     a) Diarchy at the Centre as well as in the provinces
     b) A bicameral legislature
     c) Provincial autonomy
     d) An All-India Federation

184. Which principle among the following was added to the Directive Principles of State Policy by the 42nd Amendment to the Constitution ?
     a) Equal pay for equal work for both men and women
     b) Participation of workers in the management of industries
     c) Right to work, education and public assistance
     d) Securing living wage and human conditions of work to workers

185. Under which law it is prescribed that all proceedings in the Supreme Court of India shall be in English language ?
a) The Supreme Court Rules, 1966
b) A Legislation made by the Parliament
c) Article 145 of the Constitution of India
d) Article 348 of the Constitution of India

186. In the context of India, which one of the following is the correct relationship between Rights and Duties ?
a) Rights are correlative with Duties
b) Rights are personal and hence independent of society and Duties.
c) Rights, not Duties, are important for the advancement of the personality of the citizen.
d) Duties, not Rights, are important for the stability of the state.

187. Article 24 of the Indian Constitution prohibits employment of children in any factory below the age of
a) 14 years   b) 12 years
c) 7 years   d) 16 years

188. Under which article of the Constitution, the Government has awarded Bharat Ratna and Padmasri Awards?
a) Article 15   b) Article 19
c) Article 18   d) Article 14

189. The Parliament has power to legislate with respect to a matter in the State List provided it is the
a) National Interest
b) Interest of the concerned state
c) Interest of the under priviledged
d) Interest of the minority

190. To which one of the following funds are salary and allowances of the Judges of High Court of a State charged ?
a) Consolidated Fund of India
b) Consolidated Fund of the State
c) Contingency Fund of India
d) Contingency Fund of the State

191. At a joint sitting of Parliament a bill has to be passed
a) by a simple majority of the total number of members of both houses
b) by a two-third majority of the total number of members of both houses
c) by a simple majority of the total number of members of both houses present and voting
d) by a two-third majority of the total number of members of both houses present and voting

192. The most important feature of the Indian Parliament is that
a) it is the Union Legislature in India
b) it also comprises of the President
c) it is bicameral in nature
d) the Upper House of the Parliament is never dissolved

193. Who said, "Parliamentary system provides a daily as well as a periodic assessment of the Government" ?
a) B.R. Ambedkar   b) B.N.Rau
c) Jawahar Lal Nehru   d) Rajendra Prasad

194. Assertion a) : In India, every State has a High Court in its territory.
Reason (R) : The Constitution of India provides a High Court in each state.
a) Both A and R are true and R is the correct explanation of A
b) Both A and R are true, but R is not a correct explanation of A
c) A is true, but R is false
d) A is false but R is true.

195. At present the Supreme Court of India consists of the Chief Justice and
a) 31 judges   b) 25 judges
c) 20 judges   d) 18 judges

196. When the first Law Commission was set up?
a) 1954   b) 1955
c) 1957   d) 1959

197. Which among the following Union Territories has a Judicial Commissioner ?
a) Puducherry   b) Daman and Diu
c) Andaman & Nicobar d) Lakshadweep

198. In which session of Parliament, Railway and General Budgets are presented ?
a) Monsoon session   b) First session
c) Winter session   d) None of the above

199. Setting a supreme court in Calcutta is a part of ?
a) Regulating Act of 1773
b) Pitts India Act of 1784
c) Charter Act of 1793
d) Charter Act of 1893

200. Before the independence of India, Dadra and nagar haveli were under the administrative control of –
a) English   b) French
c) Portuguese   d) Dutch

DO NOT OPEN THIS BOOKLET UNTILL YOU ARE ASKED TO DO SO

TEST BOOKLET

PAPER - VI

Test Booklet Series

A

Time allowed : 3 hours

Full marks : 200

Answer all the questions.
Questions are of equal value.

Registration No :

Signature of the Candidate :

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions:

1. This booklet consists of 11 pages including this front page, containing 200 Questions. Verify the page Nos. and Test Booklets Series on each page and bring at once to the invigilator's notice any discrepancy.

2. Answers will have to be given in the special Answer-Sheet supplied for the purpose.

3. Before you proceed to mark in the Answer-Sheet in Response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**

4. All questions are of multiple-choice answer-type. You will *four* probable answers **(A), (B), (C) and (D)** against each question. Find out which of the four answers appears to be correct or the best. Now darken the oval corresponding to the letter of the selected answer in the Answer-Sheet with **Black Ball Point Pen** as per instructions printed on the reverse of the admit Card and in the Answer-Sheet.

5. If more than one oval is encoded for a particular answer, it will be treated as a wrong answer.

6. **There will be negative marking for wrong answers. $1/_3$ mark will be deducted for each wrong answer.**

7. **There are blank pages at the backside of each pages of this booklet for Rough Work.**

8. **The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.**

WBCS (Exe) Examination (Mains), 2019
MOCK TEST

Test Booklet Series A

Full Marks : 200   **Test Code : M1922**   **Time : 3 hours**

Answer all questions. Each question carries 1 mark. 1/3rd mark will be deducted for each wrong attempt.

1. Which of the following will be a rational number between $\sqrt{5}$ and $\sqrt{7}$.
   a) 2.1   b) 2.2
   c) 2.5   d) 2.7

2. $\left(\sqrt{5} - \sqrt{3}\right)^2 = ?$
   a) $8 - 2\sqrt{15}$ b) $6 - 2\sqrt{15}$
   c) $2 - 2\sqrt{15}$ d) $8 + 2\sqrt{15}$

3. What will be the greatest number of the following?
   a) $3\sqrt{2}$ b) $2\sqrt{3}$
   c) $\sqrt{15}$ d) 4

4. If $x = 2y + 6$ then the value of $x^3 - 8y^3 - 36xy - 216 = ?$
   a) 0   b) 5
   c) 10   d) 25

5. $(102)^2 - (98)^2 = ?$
   a) 500   b) 600
   c) 900   d) 800

6. Which of the following is a factor of $x^3 + 3x^2 + 3x - 7$?
   a) $(x+1)$ b) $(x+2)$
   c) $(x-1)$ d) $(2x-1)$

7. Solve : $83x - 67y = 383$; $67x - 83y = 367$.
   a) $x=1, y=2$ b) $x=-3, y=2$
   c) $x=3, y=-2$ d) $x=-1, y=2$

8. If $a = \dfrac{2 - \sqrt{5}}{2 + \sqrt{5}}$ and $b = \dfrac{2 + \sqrt{5}}{2 - \sqrt{5}}$, then the value of $(a+b)^2$ is
   a) 289   b) 324
   c) 256   d) 484

9. If $a = 2 + \sqrt{3}$, then find the value of $a - \dfrac{1}{a}$.
   a) $5\sqrt{3}$ b) $4\sqrt{3}$
   c) $3\sqrt{3}$ d) $2\sqrt{3}$

10. $\sqrt{10} \times \sqrt{15} = ?$
    a) $6\sqrt{5}$ b) $5\sqrt{6}$
    c) $\sqrt{25}$ d) $10\sqrt{5}$

11. Four years ago Manjula devi was three times old as her daughter. Six years from now the mother will be twice as old as her daughter. Find their present age of Manjula devi.
    a) 34 years   b) 38 years
    c) 40 years   d) 42 years

12. A man buys postage stamps of denominations 25 paise and 50 paise for Rs. 10. He buys 28 stamps in all. Find the number of 25 paise stamps bought by him.
    a) 12   b) 14
    c) 15   d) 16

13. The simple interest on a sum of money for 2 years at 4% per annum is Rs. 340. Find the sum of money.
    a) Rs. 4050   b) Rs. 4150
    c) Rs. 4250   d) Rs. 4450

14. 3 men and 4 boys can do a piece of work in 14 days, while 4 men and 6 boys can do it in 10 days. How long would it take 1 boy to finish the work ?
    a) 125 days   b) 132 days
    c) 140 days   d) 145 days

15. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours it goes 40 km upstream and 55 downstream. Determine the speed of the stream.
    a) 2 kmph   b) 2.5 kmph
    c) 3 kmph   d) 3.5 kmph

16. Find the amount of the compound interest on Rs. 15000 for 2 years at 8% per annum.
    a) Rs. 17316   b) Rs. 17436
    c) Rs. 17496   d) Rs. 17846

17. The ratio of two numbers is 2/3. If 2 is subtracted from the first and 8 from the second, the ratio becomes the reciprocal of the original ratio. Find the numbers.
    a) 4 and 6   b) 6 and 9
    c) 8 and 12   d) 10 and 15

18. The ratio of incomes of two persons is 9:7 and the ratio of their expenditure is 4:3. If each of them manages to save Rs. 2000 per months, find their monthly incomes.
    a) Rs. 13,500 and Rs. 10,500
    b) Rs. 18,000 and Rs. 14,000
    c) Rs. 11,700 and Rs. 9,100
    d) Rs. 16,200 and Rs. 13,800

19. A man has certain notes of denominations Rs. 20 and Rs. 5 which amount to Rs. 380. If the number of notes of each kind is interchanged, they amount to Rs. 60 less as before. Find the number of Rs. 20 note.
    a) 12   b) 14
    c) 15   d) 16

20. At a certain time in a deer park, the number of heads and the number of legs of deer and human visitors were counted and it was found that there were 41 heads and 136 legs. Find the number of deer and human visitors in the park.
a) 27 and 14   b) 25 and 16
c) 29 and 12   d) 23 and 18

21. A chemist has one solution which is 50% acid and a second which is 25% acid. How much of each should be mixed to make 10 litres of a 40% acid solution ?
a) 6 litres and 4 litres respectively
b) 4 litres and 6 litres respectively
c) 8 litres and 6 litres respectively
d) 6 litres and 8 litres respectively

22. On selling a tea set at 5% loss and a lemon set at 15% gain, a shopkeeper gains Rs. 70. If he sells the tea set at 5% gain and lemon set at 10% gain, he gains Rs. 130. Find the cost price of the lemon set.
a) Rs. 700   b) Rs. 750
c) Rs. 800   d) Rs. 900

23. If $\log_{10} x = -2$, then find the value of x.
a) 0.01   b) 0.1
c) 0.001   d) 1.01

24. If triangle ΔPQR is right angled at Q, then
a) PR = PQ   b) PR < PQ
c) PR < QR   d) PR > PQ

25. Find the median of the following data :
5, 3, 12, 0, 7, 11, 4, 3, 8
a) 5   b) 6
c) 7   d) 8

26. If $\sin 54^0 \csc (90^0 - \theta) = 1$, find the value of θ, $0 < \theta < 90^0$.
a) 45^0 b) 136^0
c) 36^0 d) 54^0

27. Walking $6/7$ th of his usual speed, a man is 12 minutes too late. The usual time taken by thim to cover that distance is
a) 1 hour   b) 1 hour 12 minutes
c) 1 hour 15 minutes   d) 1 hour 20 minutes

28. A sum invested at 5% simple interest per annum grows to Rs. 504 in 4 years. The same amount at 10% simple interest per annum in 2.5 years will grow to
a) Rs. 420   b) Rs. 450
c) Rs. 525   d) Rs. 550

29. The king, queen and jack of clubs removed from a deck of 52 playing cards and then well-shuffled. Now one card is drawn at random from the remaining cards. Determine the probability that the card is a heart.
a) $\dfrac{11}{39}$ b) $\dfrac{13}{49}$ c) $\dfrac{11}{49}$ d) $\dfrac{17}{49}$

30. The sum of four consecutive integers is 1290. The greatest of them is ?
a) 314   b) 324   c) 318   d) 328

31. The ratio of an interior angle to an exterior angle of a regular polygon is 7:2. The number of sides of the polygon is
a) 6   b) 8
c) 9   d) 10

32. 280 oranges are divided among some boys and girls whose total number is 50 so that each boy gets 5 oranges and each girl get 7 oranges. The number of girls is
a) 30   b) 35
c) 15   d) 20

33. A number is multiplied by its one-third to get 192. Find the number.
a) 16   b) 22
c) 24   d) 28

34. When Ragini divided surface area of a sphere by the sphere's volume, she got the answer as 1/18 cm. What is the radius of the sphere?
a) 24 cm   b) 36 cm
c) 48 cm   d) 54 cm

35. In a regiment, the ratio of number of officers to the number of soldiers was 3:31 before a battle. In the battle 6 officers and 22 soldiers were killed. The ratio between the number of officers and the number of soldiers now is 1:13. Find the number of officers in the regiment before the battle.
a) 17   b) 21   c) 26   d) 31

36. If $(2x^2 - 5y^2) : xy = 1 : 3$, find the ratio $x:y$.
a) 3 : 2   b) 5 : 2
c) 5 : 3   d) 4 : 3

37. A boy was asked to multiply a number by 12. But he multiplied by 21 and got his answer 63 more than the correct answer. The number to be multiplied was
a) 7   b) 9   c) 8   d) 12

38. The sum of digits of a two digit number is 12. If the number is decreased by 18, its digit get reversed. The number is
a) 48   b) 84   c) 57   d) 75

39. The mean weight of 8 students is 45.5 kg. Two more students having weights 41.7 kg and 53.3 kg joined the group. What is the new mean weight?
a) 45.6 kg   b) 45.9 kg
c) 45.3 kg   d) 45. 5 kg

40. If $\tan \theta = \dfrac{15}{17}$ and $\theta + \alpha = 90^0$, find the value of $\cot \alpha$.
a) $\dfrac{15}{17}$ b) $\dfrac{17}{15}$ c) $\dfrac{17}{90}$ d) $\dfrac{7}{32}$

41. A and B together can do a piece of work in 15 days. If A's one day work is $1\frac{1}{2}$ times the one day's work of B, find in how many days A can do the work.
    a) 20 days   b) 22 days
    c) 25 days   d) 28 days

42. In $\triangle ABC$, AB=AC and $\angle B=50^0$, then $\angle C$ is equal to
    a) 40^0 b) 50^0 c) 80^0 d) 130^0

43. A solid rectangular block of metal 49 cm by 44 cm by 18 cm is melted and formed into a solid sphere. Calculate the radius of the sphere.
    a) 21 cm   b) 24 cm
    c) 17 cm   d) 19 cm

44. A bag contains Rs. 155 in the form of 1-rupee, 50-paise and 10-paise coins in the ratio of 3:5:7. Find the total number of coins.
    a) 325   b) 350   c) 375   d) 405

45. Two dice are thrown simultaneously. The probability of obtaining a total score of 5, is
    a) $\dfrac{1}{6}$ b) $\dfrac{1}{36}$ c) $\dfrac{1}{9}$ d) $\dfrac{1}{18}$

46. The hypotenuse of a right angle triangle is 6 m more than twice the shortest side. If the third side is 2 m less than the hypotenuse, find the greatest side of the triangle.
    a) 17 m   b) 25 m   c) 26 m   d) 28 m

47. The labeled price of a table is Rs. 7,500. The shopkeeper sold it by giving 5% discount on the labeled price and earned a profit of 15%. What approximately is the cost price of the table?
    a) Rs. 5758   b) Rs. 6195
    c) Rs. 6425   d) Rs. 7200

48. If a side of a rhombus is 10 cm and one of the diagonals is 16 cm, then the length of the other diagonal is
    a) 6 cm   b) 12 cm   c) 20 cm   d) 8 cm

49. Find the compound interest on Rs. 10000 in 2 years at 4% per annum, the interest being compounded half yearly.
    a) Rs. 876   b) Rs. 546.89
    c) Rs. 824.32   d) Rs. 657.78

50. If $\dfrac{8x+13y}{8x-13y}=\dfrac{9}{7}$, find $x:y$.
    a) 13 : 2   b) 17 : 1
    c) 17 : 2   d) 13 : 1

51. What is the reflex angle between the hour and the minute hand of a clock at 11:15 ?
    a) 112.5^0 b) 112^0 c) 110^0 d) 110.5^0

52. Find the missing character :

F	W	O
A	J	K
E	M	?

    a) N   b) P   c) X   d) D

53. Find the missing character :
    AJM, HOT, MVY, TAF, YHK, ?
    a) DXY   b) OAM
    c) UGC   d) FMR

54. Find the odd number from the given alternatives :
    a) 5720   b) 6710
    c) 2640   d) 4270

Direction (55-57) : Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

55. a__bbc__aab__cca__bbcc
    a) bacb   b) acba
    c) caba   d) abba

56. __ ab __ b __ aba _ _ abab
    a) abbaa   b) bbaab
    c) abaab   d) aaaba

57. __ab__a__bba__bb_a_b
    a) abbbab   b) babbba
    c) bbaabb   d) abaaab

58. How many 8's are present in the following sequence of numbers which are exactly divisible by both its preceding and following numbers ?
    3 8 6 8 8 7 6 8 3 4 8 2 5 6 2 8 2 4 8 6 3 7 4 8 4 5 8 4
    a) 5   b) 6   c) 2   d) 3

59. If TIER is written as 7163 and BRAIN is written as 23415, how is RENT coded ?
    a) 7536   b) 7653
    c) 3657   d) 3765

60. Arrange the following in a logical order:
    1. Birth   2. College
    3. Marriage   4. School   5. Employment
    a) 1, 3, 5, 4, 2   b) 1, 4, 2, 5, 3
    c) 2, 5, 3, 1, 4   d) 2, 4, 1, 5, 3

61. If "&" implies "Add", "@" implies "multiply", "#" implies "subtract", "$" implies "division", 12 & 3 @ 2 # 32 $ 4 = ?
    a) 12   b) 14   c) 10   d) 13

62. Pointing to Pooja in the photograph, Gita said, "Her daughter's father is son-in-law of my mother." How is Gita related to Pooja ?
    a) Mother   b) Aunt
    c) Daughter in law   d) Sister

63. Of the six cities, Delhi is bigger than Bangalore. Kolkata is bigger than Hyderabad. Mumbai is not as big as Kolkata but is bigger than Bangalore. Bangalore is smaller than Hyderabad but bigger than Pune. Find the smallest city.
    a) Bangalore   b) Hyderabad
    c) Pune   d) Mumbai

64. If 'Pink' is called 'Orange', 'Orange' is called 'Blue', 'Blue' is called 'Red', 'Red' is called 'Green', 'Green' is called 'Black' and 'Black' is called 'white', what would be the color of human blood ?
    a) Blue   b) Black
    c) Red   d) Green

65. In the following sequence of alphabets, which letter would be at the middle of the fourth and sixteenth letters from the right ?
A B C D E F G H I J K L M N O P
Q R S T U V W X Y Z
a) T   b) M   c) N   d) Q

66. A is the brother of B. B is the brother of C. D is the father of A. Based on these three statements, which of the following statements cannot be definitely true?
a) B is the brother of A
b) B is the son of D
c) A is the brother of C
d) C is the brother of A

(Direction 67-68) : Find the wrong number of the given series.

67. 12, 23, 43, 85, 166, 327, 648
a) 23   b) 43   c) 85   d) 166

68. 2, 5, 10, 18, 26, 37, 50
a) 2   b) 5   c) 37   d) 18

69. If in a certain code DIVERT is written as SCQHDU, how is CONFER written in that code?
a) QBDNEO   b) QDBNEM
c) QBDNEM   d) QBDENM

70. Ratan earns more than Rajani but not as much as Asif. Kiran earns less than Asif but not as less as Arup. Rajani earns more than Arup but not as much as Ratan. Who amongst them will be in the middle if they are ranked based on their earnings?
a) Data madequate   b) Ratan
c) Rajani   d) Kiran

71. How many pairs of letters are there in the word EXCLUSIVE which have as many letters between them as in the alphabet ?
a) 2   b) 3   c) 4   d) 0

72. Diya started to move in the North and moved 15 m. Then she turned to her right and moved 25 m. After this she turned to her right and moved 35 m. Now how far is she from her starting position ?
a) 25 m   b) 20 m
c) 35 m   d) 32 m

73. Kiran was born 3rd March 1980. Sanjeev was born 4 days before Kiran. The Republic Day of that year fall on Saturady. Which day was Sanjeev's birthday?
a) Monday   b) Tuesday
c) Thursday   d) Wednesday

74. At what angle the hands of the clock is 20 minutes past 12 i.e. 12.20.
a) 110° b) 120° c) 100° d) 115°

75. If 4C3D8A10B5 = 18, where A,B,C,D stand for four fundamental arithmetical operations of addition, subtraction, multiplication and division, but not necessarily in this order, then the value of 3C4A2D6B3 is
a) 3   b) 9   c) 10   d) 12

76. A man, while facing east, turns twice in succession to his right, then turns thrice in succession to his left, finally he turns twice in succession to his right. The direction he is facing now is :
a) East   b) West   c) North   d) South

77. In a certain language DEMOGRAPHY is coded as ABJLDOXMEV. How is ECONOMICS coded in that language ?
a) BANONLGAU   b) BZLKLJFZP
c) DOMNRJIPE   d) FOKMGHERP

78. Six books A, B, C, D, E and F are placed side by side B, C and E have blue cover and the other books have red cover. Only D and F are new books and the rest are old. A, C and D are law reports and others are Gazetteers. What book is a new law report with a red cover?
a) A   b) B   c) C   d) D

79. How many numbers from 1 to 100 are there each of which is not only divisible by 4 but also has 4 as a digit ?
a) 5   b) 7   c) 9   d) 10

80. Arun is three times as old as Bikash. Chandan was twice old as Arun four years ago. In four years' time, Arun will be 31. What are the present age of Bikash and Chandan ?
a) 9, 46   b) 9, 50
c) 10, 46   d) 10, 50

81. Find the missing term :
AZY, EXW, IVU, ?
a) MTS   b) MQR   c) NRQ   d) LST

82. Select the missing numbers from the given options

17	11	19
12	13	16
25	4	?

a) 9   b) 16   c) 25   d) 36

(Direction 83-84) :Study the diagram given below and answer each of the following questions.
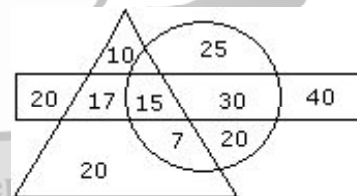
△ → Persons who takes tea

◯ → Persons who takes coffee

▭ → Persons who takes wine

83. How many persons who take tea and wine but not coffee ?
a) 20   b) 17   c) 25   d) 15

84. How many persons are there who take both tea and coffee but not wine ?
a) 22   b) 17   c) 7   d) 20

85. In a certain code language, "ORANGE" is written as "NTETOO". How would "BLACK" be written in that language?
    a) ANEIS b) ANEJT
    c) AMEIS d) ANFIS

86. Assume the given statements are true, even if they seem to be at variance from commonly known facts, then decide which of the given conclusion/s logically follows.
    Statements :
    I. Some cars can fly   II. Rama is a car.
    Conclusion :
    I. Rama can fly
    II. Rama cannot fly
    III. Rama can dance
    IV. Rama can swim
    a) Only I follows b) Either I or II follows
    c) Only III follows d) All I, II, III, IV follow

87. Find the odd-one out :
    a) Flamingo b) Curlew
    c) Duck d) Starling

88. In the following sequence of alphabets, if the second half is reversed, which letter would be the fifth to the right of the letter which is twelveth from the left ?
    A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
    a) J b) G c) W d) V

89. In a row at a bus stop, A is 7th from the left and B is 9th from the right. Both of them interchange their positions and then A becomes 11th from the left. How many people are there in that row ?
    a) 18 b) 19 c) 20 d) 21

90. Soham with her face pointing to the South-East direction. He walks 15 metres and then turns northwards and walks another 12 metres. How far is he from the starting point?
    a) 3 mt. b) 27 mt.
    c) 9 mt. d) None of these

91. In a code language "He gives flower" is written as "nop lui na" , "Bunty gets flower" is written as "dus lap na" and "He gets nothing" is written as "nop lap ugli". How would "Bunty gets nothing" be written in that code ?
    a) dus lap nop b) dus lap nop
    c) lui lap ugli d) dus lap ugli

(Direction 92-95) : Find the missing terms of the given series'.

92. Q2F, S10E, U30D, W68C, ?
    a) Y130B b) Y125C
    c) Y120C d) X130C

93. 2, 0, 5, 3, 10, 8, ?
    a) 8 b) 12 c) 21 d) 17

94. 1, 4, 11, 34, 101, 304, ?
    a) 812 b) 911 c) 917 d) 811

95. 0, 1, 2, 5, 20, 25, ?
    a) 51 b) 101 c) 125 d) 150

Direction (96-99): Read the following statements and answer the four questions that follow :
Five cities P, Q, R, S and T are connected by different modes of transport as follows –
P and Q are connected by boat as well as rail.
S and R are connected by bus and boat.
Q and T are connected by air only.
P and R are connected by boat only.
T and R are connected by rail and bus.

96. Which mode of transport would help one to reach R starting from Q, but without changing the mode of transport ?
    a) Boat b) Rail
    c) Bus d) Air

97. If a person visits each of the places starting from P and gets back to P, which of the following places must be visit twice ?
    a) Q b) R c) S d) T

98. Which one of the following pairs of cities is connected by any of the routes directly without going to any other city ?
    a) P and T b) T and S
    c) Q and R d) None of these

99. Between which two cities among the pairs of cities given below are there maximum travel options available ?
    a) Q and S b) P and R
    c) P and T d) Q and R

100. Find terminal letter in the given series below :
     AABABCABCDABCDEABCDE__
     a) E b) G c) H d) F

101. A person invests Rs. 10,000 for two years at a certain rate of interest, compounded annually. At the end of one year this sum amounts to Rs.11200. Calculate the rate of interest per annum.
     a) 10% b) 11%
     c) 11.5% d) 12%

102. If a=3 and b=−2, find the value of a^a+b^b.
     a) $27\frac{1}{4}$ b) $27\frac{1}{2}$
     c) $28\frac{1}{4}$ d) $28\frac{1}{2}$

103. Find the value of x, if $4^{2x} = \frac{1}{32}$
     a) $-\frac{7}{2}$ b) $-\frac{5}{2}$ c) $-\frac{5}{4}$ d) $-\frac{7}{4}$

104. A contractor employed 100 labours, both male and female. Each female labourer receives Rs. 144 as daily wages while each male labourer receives Rs. 96 as daily wages. If the contractor distributes Rs. 12,480 daily as wages, how many more female labourers did he employ than male labourers ?
     a) 20 b) 25 c) 30 d) 35

105. $\sqrt{8} + \sqrt{18} = ?$
   a) $\sqrt{26}$
   b) $2\left(\sqrt{2} + \sqrt{3}\right)$
   c) $5\sqrt{2}$
   d) $6\sqrt{2}$

106. Rakesh appeared for a competitive examination wherein 4 marks are awarded for every correct answer and 1 mark is deducted for every wrong answer. Rakesh attempted all the 60 questions and secured 130 marks. What would have been his score if there was no negative marking ?
   a) 140   b) 152   c) 160   d) 168

107. The square of a number is 48 more than 22 times of itself. Find the number.
   a) 25   b) 22   c) 24   d) 28

108. If a man runs 6 kmph from his house, he misses the train at the station by 8 minutes. If he runs at 10 kmph, he reaches the station 7 minutes earlier than the departure of the train. What is the distance of the station from his house ?
   a) 4.25 km
   b) 3.25 km
   c) 4.75 km
   d) 3.75 km

109. If a+b=10 and a²+b²=58, find the value of a³+b³.
   a) 290
   b) 320
   c) 370
   d) 390

110. If the perimeter of a rectangular plot is 68 m and length of its diagonal is 26 m, find its area.
   a) 180 m²
   b) 216 m²
   c) 240 m²
   d) 256 m²

111. If the number 97251*6 is completely divisible by 11, then the smallest whole number in place of * will be –
   a) 1
   b) 2
   c) 5
   d) 6

112. 77+7.7+7.07+7.007 – 7.707 = ?
   a) 91.77
   b) 91.007
   c) 91.07
   d) 91.707

113. The value of $\dfrac{1}{3 + \dfrac{2}{2 + \dfrac{1}{2}}}$ is —
   a) $\dfrac{5}{19}$
   b) $\dfrac{19}{5}$
   c) $\dfrac{4}{5}$
   d) $\dfrac{5}{4}$

114. Find the number of different permutation of the letters of the word BANANA is —
   a) 80   b) 120   c) 720   d) 60

115. The area of a circular ring enclosed between two concentric circles is 286 cm². Find the radii of the greater circle, given that the difference of their radii is 7 cm.
   a) 5 cm
   b) 8 cm
   c) 10 cm
   d) 12 cm

116. Determine $(8x)^x$ if $9^{x+2} = 240 + 9^x$
   a) 1   b) 2   c) 4   d) 8

117. Paper charge is Rs. 60 per kg. How much expenditure would be there to cover a cube of edge 10 m with a paper, if one kg of paper covers 20 sq.m. area?
   a) Rs. 1500
   b) Rs. 1800
   c) Rs. 2000
   d) Rs. 2400

118. A copper wire when bent in the form of a square encloses an area of 121 cm². If the same wire is bent into the form of a circle, find the area of the circle.
   a) 132 cm²
   b) 144 cm²
   c) 154 cm²
   d) 176 cm²

119. Two trains are running at 40 km/h and 20 km/h respectively in the same direction Fast train completely passes a man sitting in the slower train in 5 seconds. What is the length of the fast train ?
   a) 23 m
   b) $23\dfrac{2}{9}$ m
   c) 27 m
   d) $27\dfrac{7}{9}$ m

120. In a factory, the production of motorbikes rose to 23328 from 20000 in 2 years. Find the rate of growth of the production of motorbikes.
   a) 6%
   b) 7%
   c) 8%
   d) 9%

121. A cylinder having radius 1 m and height 5 m, is completely filled with wine. In how many conical flasks can this wine be filled into if the flask radius and height is 50 cm each?
   a) 80
   b) 96
   c) 110
   d) 120

122. Two houses are in front of each other. Both have chimneys on their top. The line joining the chimneys makes an angle of 45° with the ground. How far are the houses from each other if one house is 25m and other is 10m in height?
   a) 10 m
   b) 12 m
   c) 15 m
   d) 18 m

123. From a point P on a level ground, the angle of elevation of the top tower is 30º. If the tower is 200 m high, the distance of point P from the foot of the tower is:
   a) 346 m
   b) 400 m
   c) 312 m
   d) 298 m

124. The angle of elevation of a ladder leaning against a wall is 60º and the foot of the ladder is 12.4 m away from the wall. The length of the ladder is:
   a) 14.8 m
   b) 16.2 m
   c) 28.4 m
   d) 24.8 m

125. How many square tiles of side 20 cm will be needed to pave a footpath which is 2 metres wide and surrounds a rectangular plot 40 m long and 22 m wide ?
   a) 6000
   b) 6600
   c) 7200
   d) 7500

126. If $\left(x+\dfrac{1}{x}\right)^2 =3$, find $x^3+\dfrac{1}{x^3}$.
   a) 0
   b) 1
   c) 5
   d) 8

127. A right circular cone is 3.6 cm high and radius of its base is 1.6 cm. It is melted and racasted into a right circular cone with radius of its base as 1.2 cm. Find its height.
   a) 5.8 cm
   b) 6.4 cm
   c) 7.2 cm
   d) 7.4 cm

128. A solid spherical ball of iron with radius 6 cm is melted and recast into three solid shperical balls. The radii of the two of the balls are 3 cm and 4 cm respectively, determine the diameter of the third ball.
   a) 8 cm
   b) 8.5 cm
   c) 9 cm
   d) 10 cm

129. The length of rectangle is increased by 40% and its breadth decreased by 20%. The change in the area of the rectangle is —
   a) 10% increase
   b) 10% decrease
   c) 12% decrease
   d) 12% increase

130. $\dfrac{8.73\times8.73\times8.73+4.27\times4.27\times4.27}{8.73\times8.73-8.73\times4.27+4.27\times4.27} = ?$
   a) 11
   b) 13
   c) 15
   d) 12

131. Today, Ram is 30 years younger to his uncle. 5 years ago Ram's age was ¼ th the age of his uncle. What will be the age of Ram's uncle 5 years from today.
   a) 60 years
   b) 45 years
   c) 50 years
   d) 35 years

132. If $\sqrt{x}+\dfrac{1}{\sqrt{x}} = 5$, then the value of $x^2+\dfrac{1}{x^2}$ is
   a) 527
   b) 227
   c) 427
   d) 327

133. If $x : y = 2 : 3$ then $3x+2y : 2x+5y = ?$
   a) 11 : 19
   b) 12 : 19
   c) 11 : 17
   d) 13 : 19

134. If $(x–2)$ is a factor of $2x^3–x^2–px–2$ then find the value of p.
   a) 2
   b) 3
   c) 4
   d) 5

135. In the 3rd term of a G.P. is 4, find the product of its first five terms.
   a) 876
   b) 924
   c) 1024
   d) 1056

136. The length and the breadth of a rectangle are 12 cm and 9 cm respectively. Find the height of a triangle whose base is 9 cm and whose area is one-third that of rectangle.
   a) 6 cm
   b) 8 cm
   c) 10 cm
   d) None of the above

137. Due to sun, a 6ft man casts a shadow of 4ft, whereas a pole next to the man casts a shadow of 36ft. What is the height of the pole?
   a) 38 ft
   b) 44 ft
   c) 48 ft
   d) 54 ft

138. On rolling a dice 2 times, the sum of 2 numbers that appear on the uppermost face is 8. What is the probability that the first throw of dice yields 4?
   a) 1/36
   b) 2/36
   c) 1/6
   d) 1/5

139. Find the sum of the geometric series :
   $2+6+18+54 + ...+4374$
   a) 5650
   b) 5850
   c) 6250
   d) 6560

140. Two adjacent sides of a parallelogram are 24 cm and 18 cm. If the distance between the longer sides is 12 cm, find the distance between shorter sides.
   a) 12 cm
   b) 14 cm
   c) 16 cm
   d) 18 cm

141. A trader bought a number of articles for Rs. 1200. Ten were damaged and he sold each of the rest at Rs. 2 more than what he paid for it, thus clearing a profit of Rs. 60 on the whole transaction. Find the number of articles.
   a) 75
   b) 80
   c) 90
   d) 100

142. In an auditorium, the number of rows was equal to the number of seats in each row. If the number of rows is doubled and the number of seats in each row is reduced by 5, then the total number of seats is increased by 375. How many rows were there ?
   a) 20
   b) 22
   c) 25
   d) 30

143. In a 20 litre mixture 20% is alcohol and the rest water. If 5 litres of water is added, then what will be the percentage of alcohol in the new mixture ?
   a) 16
   b) 15
   c) 18
   d) 21

144. $(16)^{0.16} \times (16)^{0.04} \times (2)^{0.2} = ?$
   a) 1
   b) 16
   c) 4
   d) 2

145. Which of the following ratio is greatest ?
   a) 8 : 13
   b) 5 : 9
   c) 11 : 16
   d) 21 : 29

146. The area of a rectangular prayer hall is 300 m². If the length of the hall (in metres) is one more than twice its breadth, then find the length of the prayer hall.
   a) 21 m
   b) 23 m
   c) 25 m
   d) 28 m

147. Anupam spent 18% of his monthly salary on buying electronic goods and 32% of the monthly salary on repair work in his house. Out of remaining amount he invested 42% in fixed deposit. If he was left with Rs. 12,325, how much is his annual salary ?
   a) Rs. 5,18,000
   b) Rs. 5,15,600
   c) Rs. 5,10,000
   d) Rs. 5,12,000

148. $\left(1+\dfrac{3}{4}\right)\left(1+\dfrac{3}{7}\right)\left(1+\dfrac{3}{10}\right)....\left(1+\dfrac{3}{61}\right) = ?$

     a) 10   b) 14

     c) 16   d) 20

149. $\dfrac{5}{2} - \left[\dfrac{1}{3} + \left\{\dfrac{7}{3} + \left(\dfrac{5}{6} - \overline{\dfrac{2}{3} + \dfrac{1}{3}}\right)\right\}\right] = ?$

     a) 0   b) 1

     c) −1   d) 2

150. Rs. 480 is divided equally among some children. If the number of children were 20 more, then each would have got Rs. 12 less. Find the number of children.

   a) 20   b) 22

     c) 27   d) 30

151. Assume that there are three statements followed by several conclusions. You have to take the given statements to be true, even if they seem to be at variance from commonly-known facts and then decide which of the given conclusion/s logically follows.

Statements :   I. All Pens are Tables

                II. Some tables are rulers.

                III. Some rulers are chalk.

Conclusion :   a) Some tables are chalk.

                b) Some pens are chalk.

                c) Some rulers are pens.

                d) Some chalk are rulers

152. Arrange the given words in the sequence in which they occur in the dictionary and choose the correct sequence.

     1. Economic   2. Earlier

     3. Each   4. Edition

     5. Eager

     a) 3, 4, 1, 5, 2   b) 2, 1, 3, 5, 4

     c) 3, 2, 4, 1, 5   d) 3, 5, 2, 1, 4

153. Find the missing number :

     a) 50   b) 51   c) 48   d) 53

154. From the given alternative words, select the word which <u>can be</u> formed using the letters of the given word EDUCATIONIST.

     a) DUKE   b) DRESS

     c) CAUTION   d) NAUGHTY

155. Find out the wrong number in the sequence 102, 101, 98, 93, 86, 74, 66, 53

     a) 101   b) 66

     c) 74   d) 93

156. From the given alternative words, select the word

which <u>cannot be</u> formed using the letters of the given word :

ORGANISATION

     a) GRANT   b) NATION

     c) GIANTS   d) ORANGE

Direction (157-161) : *Read the following information carefully and answer the questions given below :*

Seven players L, M, N, P, Q, R and S from seven different countries – Russia, India, Srilanka, South Africa, China, Japan and UK – participate in the Olympic games but not necessarily in the same order. All of them participate seven different games viz Badminton, Swimming, Boxing, Hockey, Football, Basketball and Tennis but not necessarily in the same order.

The one who participate in boxing does not belong to South Africa. P is from China and he does not participates in Hockey. The one who is from Srilanka participates in Badminton. The one who is from India does not participate in hockey or basketball. L is from Japan, S is not from either India or South Africa and participates in Football. N participate in Tennis but he is neither from UK nor from South Africa. M participates in Swimming and Q participates in boxing.

157. P participates which of the following games ?

     a) Boxing   b) Swimming

     c) Football   d) Basketball

158. Who among the following participates in Hockey?

     a) P   b) L

     c) Q   d) M

159. R is from which of the following countries ?

     a) Russia   b) China

     c) Srilanka   d) Japan

160. The one who is from India participates in which of the following games ?

     a) Hockey   b) Football

     c) Tennis   d) None of these

161. Which of the following combination is correct ?

     a) M – South Africa – Swimming

     b) Q – China – Boxing

     c) P – China – Hockey

     d) All of these

Directions (162-164) : In the questions given below have two statements followed by two conclusions numbered I and II. Read all the conclusions and then decide which of the given conclusion logically follows from the given statement.

     (a) If only conclusion I follows

     (b) If only conclusion II follows

     (c) If either conclusion I or II follows

     (d) If neither conclusion I nor II follows

162. Statements :   No mango is apple.

                  No apple is guava.

     Conclusions :   I. No mango is guava.

                  II. No apple is mango.

163. Statements : All books are paper.
 Some papers are white.
 Conclusions : I. Some books are white.
 II. All books are white.

164. Statements : No Cricketer is footballer.
 Some footballer are boxer.
 Conclusions : I. Some boxer are not cricketer.
 II. Some cricketer are not boxer.

165. Statements : Some trees are plants.
 Some plants are creepers.
 Conclusions : I. Some trees are creepers.
 II. Some trees are not creepers.

166. Unscramble the given jumbled word to a meaningful word and then indentify the last letter of that word.
 NEWITIVER
 a) W b) R c) V d) N

167. If 3×5×7×2=24, 2×4×6×8=22 then 4×4×8×9=?
 a) 25 b) 33
 c) 45 d) 152

168. A cube is coloured red on all faces. It is cut into 64 smaller cubes of equal size. Now how many cubes are there which have only one face coloured ?
 a) 8 b) 12
 c) 16 d) 24

169. Arrange the following words as per order in the dictionary.
 1. Euphrasy 2. Eupepsy 3. Euphonic
 4. Eugenic 5. Euphony
 a) 4, 3, 2, 1, 5 b) 3, 4, 1, 2, 5
 c) 4, 2, 3, 5, 1 d) 3, 5, 2, 4, 1

170. How many 7's are present in the following sequence of numbers which are both preceded and followed by perfect square numbers ?
 8 6 3 7 9 7 4 3 6 9 7 2 1 7 4 9 5 2
 5 4 7 9 5 2 9 7 1 4 7 1
 a) 4 b) 2
 c) 5 d) 3

171. If "GREEN" is given number code as 49, what is the difference between the number codes of "VIOLET" and "PINK" ?
 a) 55 b) 45
 c) 33 d) 60

172. Which one of the given responses would be a meaningful order of the following words in ascending order ?
 1. Plastering 2. Painting
 3. Foundation 4. Walls
 5. Ceiling
 a) 1, 2, 3, 4, 5 b) 3, 4, 1, 2, 5
 c) 3, 4, 5, 1, 2 d) 5, 4, 3, 2, 1

173. If × stands for +, ÷ stands for −, + stands for ÷ and − stands for × then which one of the following is correct ?
 a) 11–6÷4+2=64 b) 15+3×4÷3=12
 c) 12+4 ÷ 2–7=8 d) 10 − 5 × 6÷2=54

174. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?
 a) 9 b) 10
 c) 12 d) 16

175. If in a code language "ORGANISATION" is written as "CBDWLQJWYQCL" and "OPERATION" is written as "CXFBWYQCL", how is "SEPARATION" coded?
 a) EJXEBEYQCL b) JFQYWBCXQL
 c) JFXWBWYQCL d) QCLYWBFXJE

176. Find the same relationship as
 Ecstasy : Gloom : : ?
 a) Congratulations : Occasion
 b) Diligent : Successful
 c) Measure : Scale
 d) Humiliation : Exaltation

177. From the given alternative words, select the word which can be formed using the letters of the given word.
 REPUTATION
 a) PONDER b) REQUIRE
 c) RETIRE d) TUTOR

178. Find the missing term :
 Pound : Yen : : Polo : ?
 a) Hockey b) Horse
 c) Ride d) Stick

179. If Reena says, "Anjali's father Raman is the only son of my father-in-law Ramanand", then how is Piyu, who is the sister of Anjali, related to Ramanand ?
 a) Wife b) Sister
 c) Grand-daughter d) Daughter

180. A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day ?
 a) 10 p.m b) 10.30 p.m.
 c) 11 p.m. d) 11.30 p.m.

181. In a row of 15 children, when Raju was shifted three places towards right, he became 8th from the right end. What was his earlier position from the left end of the row?
 a) 14 b) 12
 c) 6 d) 5

182. In a group of persons, 11 persons speak Kannada, 20 persons speak Tamil and 11 persons speak Telugu. In that group, if two persons speak two languages then how many persons are there in the group ?
 a) 40 b) 41
 c) 42 d) 43

Direction (183-185) : Four boys M,N,O,P and four girls Q,R,S and T are seated at a rectangular table which can seat three each along the long sides and one each on the narrow sides. None of the boys or the girls are seated together. All the boyes are seated at the longer sides of the table. Neither R nor S are at the narrow side of the table. O is to the immediate right of the Q. S is exactly between N and P. R is exactly between M and O. P is on the immediate left of Q.

183. Which pair of persons are seated at the narrow sides of the table ?
a) RS
b) QT
c) OP
d) MT

184. Who among the following is to the immediate left of T ?
a) M
b) N
c) O
d) P

185. Who sits opposite to M ?
a) P
b) Q
c) N
d) S

186. If 'PRINT' is coded as '79952' then 'FAULT' is coded as –
a) 61332
b) 61442
c) 51332
d) 61554

187. E is the daughter of P who is the husband of only daughter-in-law of K. How is E related to K ?
a) Daughter
b) Granddaughter
c) Grandmother
d) Mother

188. If CALENDAR = AYJCLBYP, Then STABLE=?
a) RQYZCJ
b) QRYZJC
c) QRYCZJ
d) RQCYZJ

189. If 'god is great' = 'cp an bo', 'great help done' = 'er cp fs' and 'he is great' = 'bo cp dq', then what represents 'he is god' ?
a) cp er bo
b) an bo cp
c) dq bo cp
d) an bo dq

(Direction 190-192) : In each of the following questions a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

190. DIB, HMF, LQJ, ?
a) OTM
b) QVO
c) PVO
d) PUN

191. WYV, ?, IKH, BDA
a) OPR
b) ROP
c) PRO
d) OQN

192. 3, 15, ?, 63, 99, 143
a) 27
b) 45
c) 35
d) 56

193. Four pair of words are given. Find the odd one out.
a) Angle : Angular
b) Poverty : Poor
c) Richness : Rich
d) Adversity : Prosperity

194. If Surgeon : Scalpel, then which pair means same relationship.
a) Musician : Instrument
b) Carpenter : Wood
c) Sculptor : Chisel
d) Baker : Oven

195. If 5:100, 4:64 :: 4:80, 3:?
a) 26
b) 48
c) 60
d) 64

196. If PST = 10, then NPR = ?
a) 6
b) 9
c) 12
d) 18

197. S * M @ K % 9 + A L $ R 3 U 5 H & # Z V 2 Ω W 7 Q X 6 t F G φ
If all the symbols are dropped from the arrangement, then which will be 12th element from the right end of the given arrangement ?
a) Z
b) R
c) L
d) H

198. How many triangles are there in the following figure ?

a) 24
b) 32
c) 28
d) 20

199. The letters of the word UNDERTAKING are arranged in alphabetic order. Which letter will be in the middle position ?
a) N
b) K
c) I
d) G

200. Which one of the given responses would be a meaningful order of the following?
1. Fruit   2. Flower   3. Seed
4. Pollination   5. Bud
a) 1, 2, 3, 4, 5
b) 4, 2, 5, 3, 1
c) 5, 2, 4, 3, 1
d) 5, 2, 4, 1, 3