IMPORTANT:– Read the following instructions carefully. Do not mark answers on the question booklet, otherwise you may be debarred from the selection process.

1. Before commencing to answer, check that the Question Booklet has 120 questions. Each Question Booklet will be in different series (combination of question booklet number and series). You must write correct Question Booklet Number and Question Booklet Series on your OMR Answer Sheet. Further check that there is no misprinting, overprinting and/or any other shortcoming in it. If there is any shortcoming in the question booklet, intimate the same to your room invigilator and take a fresh question booklet and a fresh OMR sheet. No complaint in this regard shall be entertained at any later stage.

   IMPORTANT NOTE: The OMR Answer Sheet will be evaluated with a combination of question booklet series and question booklet number hence you must write correct question booklet series and question booklet number. Any mistake in filling any of them will lead to invalidation of your OMR Answer Sheet. Also in case of non filling of question booklet series and question booklet number the OMR Answer Sheet will not be evaluated and its sole responsibility lies on the candidate.

2. Question paper is bilingual (Hindi/English). In case of any variation in Hindi version, English version will be taken as final for evaluation purposes.

3. Ensure that your admit card and OMR sheet is signed by you and the invigilator. If the same is not signed, your candidature is liable to be rejected.

4. All Multiple Choice Questions carry 1 mark. No Mark will be awarded or deducted for not attempting a question. Darken ONLY ONE OVAL for each answer. If you darken more than one oval or any stray mark is found on more than one oval, no mark will be awarded for that oval.

5. This is an objective type test in which each objective question is followed by four responses serialled (1) to (4). Your task is to choose the correct/best response and mark your response in the OMR Answer Sheet only as per the instructions given and NOT in the Question Booklet.

6. Use Blue/Black Ball Point Pen for all your work on the OMR Answer Sheet. The ovals on the OMR Answer Sheet are to be completely filled by Blue/Black Ball Point Pen only. ANSWERS ONCE GIVEN CAN NOT BE CHANGED. Cutting/overwriting the answers are not allowed.

7. Use of Calculators, Slide rules, Mobiles, calculator watches or any such devices and any other study/reference material is NOT allowed inside the examination hall and prohibited if found carrying, it shall be punishable offence.

8. Rough Work is to be done in the blank space provided in the Question Booklet, not on the OMR Answer Sheet. No other paper will be allowed/provided for rough work.

9. Handover OMR Answer Sheet to the invigilator on completion of the test. Do not take OMR Answer Sheet outside the examination room. Doing so is a punishable offence. The candidate can retain question paper after exam is over.
DIRECTIONS: (Question No. 1 to 5) Study the pie chart carefully to answer the following questions.

Percentage of students enrolled in different activities in a school.

Total number of students = 3000.

Total number of Girls = 1750

1. What is the approximate (best) percentage of boys in the School?
   (1) 42%  (2) 28%  (3) 34%  (4) 50%

2. How many boys are enrolled in singing and handicraft together?
   (1) 485  (2) 505  (3) 420  (4) None of these

3. What is the total number of girls enrolled in swimming and drawing together?
   (1) 505  (2) 515  (3) 525  (4) None of these

4. The number of girls enrolled in dancing form what percentage of the total number of students in the school? (round off to two digit)
   (1) 11.67%  (2) 14.12%  (3) 9.32%  (4) None of these

5. What is the ratio of the number of girls enrolled in swimming to the number of boys enrolled in swimming?
   (1) 59:49  (2) 49:47  (3) 23:29  (4) None of these

6. To move to the bottom of a document, you press:
   (1) Ctrl + End key  (2) Ctrl + Home key
   (3) Home key  (4) End key

7. Name the fourth layer of OSI Model:
   (1) Application layer  (2) Data link layer
   (3) Transport layer  (4) Session layer

1. विद्यालय में लड़कों का लगभग (सर्वश्रेष्ठ) प्रतिशत क्या है?
   (1) 42%  (2) 28%  (3) 34%  (4) 50%

2. गायन एवं हस्तकला में एक साथ पंजीकृत लड़कों की संख्या क्या है?
   (1) 485  (2) 505  (3) 420  (4) इनमें से कोई नहीं

3. तैराकी एवं चित्रकला में एक साथ पंजीकृत होने वाली लड़कियों की कुल संख्या क्या है?
   (1) 505  (2) 515  (3) 525  (4) इनमें से कोई नहीं

4. भाषात्मक के दो अंकों तक
   (1) 11.67%  (2) 14.12%  (3) 9.32%  (4) इनमें से कोई नहीं

5. तैराकी में लड़कियों की पंजीकृत संख्या से तैराकी में लड़कों की पंजीकृत संख्या का अनुपात क्या है?
   (1) 59:49  (2) 49:47  (3) 23:29  (4) इनमें से कोई नहीं

6. एक दसांक्षा के तल में जाने के लिये, आप क्या करें?
   (1) Ctrl + End key  (2) Ctrl + Home key
   (3) Home key  (4) End key

7. OSI मॉडल के चौथे पर्व का नाम क्या है?
   (1) अनुमोदक पर्व  (2) डेटा लिंक पर्व
   (3) तран्सपोर्ट पर्व  (4) सेसन पर्व
8. What is the average weight of 30 students in a class

I. If the weight of teacher’s included the average weight is 20 kg.
II. If the weight of teacher is not included, the total weight is 720 kg.

(1) 17 (2) 21
(3) 18 (4) None of these

9. In a group of 15, 7 studied German, 8 have studied French and 3 have not studied either. How many of these have studied both German & French?

(1) 0 (2) 3
(3) 4 (4) 5

10. The fundamental duties of the Indian citizens were laid down by which of the following amendments to the constitution of India?

(1) 40th amendment (2) 41st amendment
(3) 42nd amendment (4) 43rd amendment

11. The memory of a computer is commonly expressed in terms of Kilobytes or Megabytes. A byte is made up of:

(1) Eight decimal digits (2) Eight binary digits
(3) Two binary digits (4) Two decimal digits

12. Dongri is the language spoken in:

(1) Assam (2) Bihar
(3) Jammu & Kashmir (4) Andaman & Nicobar

13. In a work sheet in MS Excel, what is the shortcut key to hide entire row?

(1) Ctrl + 2 (2) Ctrl + 9
(3) Ctrl + N (4) Ctrl + R

14. The maintenance charges for 35 residents for 24 days is ₹ 6,300. In how many days will the maintenance charges be ₹ 3,375 for 25 residents?

(1) 17 (2) 21
(3) 18 (4) None of these
15. In the below figure, circle P represents hardworking people, circle Q represents intelligent people, circle R represents truthful people, and circle S represents honest people. Which region represents the people who are intelligent, honest and truthful but not hardworking:

![Diagram](image)

(1) 6 (2) 7 (3) 8 (4) 11

16. ‘IC chips’ for computers are usually made of:

(1) Chromium (2) Silicon (3) Lead (4) Copper

17. By selling 33 metres of cloth, a shopkeeper gains the price of 11 metres of cloth. His gain percent is:

(1) 45% (2) 40% (3) 50% (4) None of these

18. The average age of a group of workers changes from 32 to 35 years if an old worker is replaced by a new worker. How many workers are there in the group if the new worker is 12 years younger than the older one?

(1) 5 (2) 4 (3) 6 (4) 7

19. The present ages of Amit and Sumit are in the ratio of 1:2. Four years later, their ages will be in the ratio of 7:13. What are their present ages?

(1) 16 years and 32 years (2) 24 years and 48 years (3) 18 years and 36 years (4) None of these

20. ASSERTION (A):- The President of India can issue a proclamation of emergency under Article 352(1) of Constitution on the advice of the Prime Minister.

REASON (R):- Where a proclamation of emergency is in operation, the President may suspend the operation of all fundamental rights except Article 20 & 21 of Constitution.

(1) Both A and R are true and R is correct explanation of A (2) Both A and R are true but R is not correct explanation of A (3) A is true but R is false (4) A is false but R is true

DIRECTIONS: In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

21. AGMSY, CIOUA, EKQWC, _____, IOUAG, KQWCI.

(1) GNTYE (2) GLRYE (3) GMSYE (4) GMTXE

20. DIRECTIONS: In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

PAE – [A–3]
22. Consider the following information regarding the performance of a class of 1000 students in four different tests.

<table>
<thead>
<tr>
<th>Tests</th>
<th>I</th>
<th>II</th>
<th>III</th>
<th>IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Marks</td>
<td>60</td>
<td>60</td>
<td>70</td>
<td>80</td>
</tr>
<tr>
<td>Range of Marks</td>
<td>30 to 90</td>
<td>45 to 75</td>
<td>20 to 100</td>
<td>0 to 100</td>
</tr>
</tbody>
</table>

If a student scores 74 Marks in each of the four tests, in which of the following tests is his performance the best comparatively?

1. Test – I
2. Test – II
3. Test – III
4. Test – IV

23. In this question, which number should be in place of ‘x’? The numbers in the figures follow some rule:

256 8
3 267

1. 4
2. 6
3. 7
4. 8

24. What is the control unit’s function in the CPU:

1. To transfer data to primary storage
2. To store program instructions
3. To perform logic operations
4. To decode program instructions

25. The creation of MUDRA bank was proposed in the recent budget proposal of the Government of India. MUDRA stands for:

1. Monetary Union Development Repay agency
2. Medium Units Development & Reconstruction Agency
3. Micro Units Development Refinance Agency
4. Multipurpose Undertakings Development Refinance Agency

DIRECTIONS: Select the suitable alternative to satisfy the relationship in the following question.

26. Question figure (प्रश्न आकृति) Answer figure (उत्तर आकृति)

27. Question figure (प्रश्न आकृति) Answer figure (उत्तर आकृति)
DIRECTIONS: A survey on a sample of 25 new cars being sold at a local auto dealer was conducted to see three popular options—air conditioning, radio and power windows—which were already installed. The survey found that 15 had air conditioning, 2 had air conditioning and power windows but no radios, 12 had radio, 6 had air conditioning and radio but no power windows, 11 had power windows, 4 had radio and power windows, 3 had all three options.

28. What is the number of cars that had none of the options?
(1) 3  (2) 2
(3) 4  (4) None of these

29. Which of the following represents the statement that some of the psychologists are philosophers. Some philosophers are writers. But no psychologist is a writer.

30. Arrange the following rational members in ascending order:
\(-7\), \(\frac{5}{10}\), \(\frac{2}{3}\), \(-8\), \(-\frac{5}{8}\), \(-\frac{3}{2}\), \(\frac{1}{2}\), \(-\frac{3}{3}\), \(-\frac{5}{10}\), \(\frac{2}{10}\)
(1) \(-7\) (2) \(\frac{5}{10}\) (3) \(\frac{2}{3}\) (4) \(-\frac{5}{8}\)

31. My office is to the east of the bus stand and while my residence is to the south of the bus stand. The market is to the north of my office. If the distance of the market from my office is the same as the distance from my residence to the bus stand, then in which direction is the market with respect to the bus stand?
(1) North (2) South-West
(3) North-East (4) South

32. If ‘SPARK’ is coded as TQBSL, what will be the code for ‘FLAME’?
(1) GNAMF (2) GMBNO (3) GMBNF (4) GMCMF

33. Find the odd one out from the given alternatives.
(1) Microbe (2) Microfilm (3) Microphone (4) Microscope

34. The average temperature of a town in the first four days of a month was 58°C. The average temperature for second, third, fourth and fifth days was 60°C. If temperature on the first and fifth days was in the ratio 7:8, then what was the temperature on the fifth day?
(1) 64°C (2) 62°C (3) 56°C (4) None of these
35. Total salary of three persons A, B and C are ₹ 1,44,000. They spend 80%, 85% and 75% respectively. If their savings are in the ratio 8:9:20, find C’s salary:

(1) ₹ 48,000  
(2) ₹ 64,000  
(3) ₹ 40,000  
(4) ₹ 32,000

36. An ISP:

(1) Provides access to the internet  
(2) Is a CPU register  
(3) Is a CPU functional unit  
(4) Make of processor

37. FTP is:

(1) Used to send email  
(2) Used to browse the Web  
(3) Is part of Netscape  
(4) Is a protocol for the transfer of files between computers

38. Three views of the same cube are shown below.

The figure on the face opposite the triangle is:

(1) Pentagon  
(2) Circle  
(3) Question mark  
(4) Rectangle

39. Find the missing number in place of question mark?

(1) 10  
(2) 8  
(3) 12  
(4) 14

40. One of the pioneering robots, that went missing into space almost a decade ago, has been recently found on the surface of red planet. Name it:

(1) Beagle 2  
(2) Mars–2 Prop–M. Rover  
(3) Mars Rover  
(4) Spirit (MER–A)

41. New Horizons became the first space probe to reach closest to Pluto recently. This is a mission by:

(1) ISRO  
(2) ESA  
(3) NASA  
(4) FKA & RKA

42. A GUI is:

(1) Hardware  
(2) Language interpreter  
(3) Software interface  
(4) An operating system
DIRECTIONS: A cube of side four inch is painted red, blue and black on the pairs of opposite faces. It is then cut into smaller cubes of side one inch each.

43. How many cubes have one face red and one blue (the other faces may be painted or unpainted):
   (1) 16  (2) 8  (3) 4  (4) 0

44. Pick the odd one out.
   (1) Z3W  (2) Z5W  (3) Z7W  (4) Z9W

45. The appropriate writ issued by the Court to quash the appointment of a person to a public office is that of:
   (1) Certiorari  (2) Prohibition  (3) Quo Warranto  (4) Mandamus

46. Gross National Product (GNP) of a country is sum of the market value of all goods and services produced in a year:
   (1) Plus export Earnings  (2) Plus Market value of imports  (3) Minus foreign aid  (4) Plus net income from abroad

47. The sum of two number is 2490. If 6.5% of one number is equal to 8.5% of the other, the numbers are:
   (1) 1411 and 1079  (2) 1410 and 1080  (3) 1441 and 1049  (4) 1214 and 1276

48. A small aeroplane can travel at 320 km/hr in still air. The wind is blowing at a constant speed of 40 km/hr. The total time for a journey against the wind is 135 minutes. What will be time, in minutes for the return journey with the wind? (ignore take off and landing time for the aeroplane)
   (1) 94.5  (2) 105  (3) 108.125  (4) 120

49. Multitasking refers to:
   (1) Having several programs in RAM at the same time  (2) The ability to run 2 or more programs concurrently  (3) Writing programs in multiple languages  (4) None of these

50. Point out the incorrect statement
   To qualify for the membership of Rajya Sabha, one has to:
   (1) Be a citizen of India  (2) Be at least 30 years of age  (3) Fulfils the qualifications of becoming a member of parliament  (4) Be a voter in any Lok Sabha constituency of India
DIRECTIONS: (Question No. 51 to 55) These question are to be answered on the basis of bar chart given below giving the rice imports (in thousand tonnes) for the year 2000 to 2012.

51. In which year did imports register highest increase over its preceding year?
   (1) 2012  (2) 2005  (3) 2004  (4) 2003

52. The imports in 2006 were approximately how many times to that of 2001?
   (1) 3.22  (2) 2.41  (3) 1.68  (4) 0.31

53. What is the ratio of the years which have above average imports to those which have below average imports?
   (1) 3:8  (2) 8:3  (3) 3:5  (4) 5:3

54. The increase in imports in 2012 was what percent of imports in 2011?
   (1) 80  (2) 5  (3) 125  (4) 25

55. The import in 2004 are approximately what percent of average imports for the given years?
   (1) 65  (2) 85  (3) 190  (4) 115

56. Find the incorrect one:
   (1) Hertz is used to measure frequency
   (2) Kelvin is used to measure temperature
   (3) Bel is used to measure atmospheric pressure
   (4) Ohm is used to measure electrical resistance

57. RTGS in banking sector stands for:
   (1) Real Time Gross Settlement
   (2) Real Transactions Going Settlement
   (3) Ready Transfer Gross Settlement
   (4) Remittance Transfer Gross settlement

51. ग्राहक वर्ष के कुछ किस वर्ष में आयतन ने सर्वश्रेष्ठ ढ़ूँढ़ दर्ज की?
   (1) 2012  (2) 2005  (3) 2004  (4) 2003

52. वर्ष 2006 में आयतन वर्ष 2001 के आयतन के लगभग कितना गुना था?
   (1) 3.22  (2) 2.41  (3) 1.68  (4) 0.31

53. औसत आयतन से अधिक से औसत आयतन से कम के वर्षें का अनुपात क्या है?
   (1) 3:8  (2) 8:3  (3) 3:5  (4) 5:3

54. 2012 में आयतन में बुझ निकलने का कितने प्रतिशत था?
   (1) 80  (2) 5  (3) 125  (4) 25

55. 2004 में आयतन दिव गए वर्षें के औसत आयतन का कितने प्रतिशत था?
   (1) 65  (2) 85  (3) 190  (4) 115

56. निम्नलिखित में असेंब भी चुनें:
   (1) हर्ट्स भ्रमणसे मापन की ईकाई है
   (2) केलविन तापमान मापन की ईकाई है
   (3) बेल वातावरणीय दबाव मापन की ईकाई है
   (4) ओम विद्युतीय प्रतिरोध मापन की ईकाई है

57. वैदेशिक क्षेत्र में RTGS का लाभ है:
   (1) Real Time Gross Settlement
   (2) Real Transactions Going Settlement
   (3) Ready Transfer Gross Settlement
   (4) Remittance Transfer Gross settlement
58. Country facing water crisis was helped by India recently:
   (1) Myanmar
   (2) Philippines
   (3) Maldives
   (4) Bangladesh

59. An RS-232 interface is:
   (1) A parallel interface
   (2) A serial interface
   (3) Printer interface
   (4) A modem interface

60. 8085 microprocessor has ............ registers to hold data:
   (1) 8 bit
   (2) 32 bit
   (3) 16 bit
   (4) None of these

61. A bag contains 19 red balls, 37 blue balls and 27 green balls. If a ball is picked up from this bag at random, what is the probability of picking a blue ball?
   (1) 36/87
   (2) 37/83
   (3) 38/83
   (4) None of these

62. Number of diagonals in a 30 sided convex polygon will be:
   (1) 405
   (2) 955
   (3) 818
   (4) 378

63. The value of \( \sqrt{a/a/a/\ldots} \) is:
   (1) 1
   (2) \( a \)
   (3) \( a^2 \)
   (4) \( \infty \)

DIRECTIONS: In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are substituted by a, b, c, d, e, f, g, h, i and j. And 10 is written as ba.

64. bee + fg – (ca × h/be) is equal to:
   (1) bja
   (2) afb
   (3) jfb
   (4) bfj

65. There are 600 Tennis players. 4% wear wrist band on one wrist. Of the remaining, 25% wear wrist bands on both hands. How many players don't wear a wrist band?
   (1) 534
   (2) 432
   (3) 344
   (4) 482

66. Buses start from a bus terminal with a speed of 20 km/hr at intervals of 10 minutes. What is the speed of a man coming from the opposite direction towards the bus terminal if he meets the buses at intervals of 8 minutes?
   (1) 5 km/hr
   (2) 4 km/hr
   (3) 6 km/hr
   (4) 7 km/hr

67. Number of diagonals in a 30 sided convex polygon will be:
   (1) 405
   (2) 955
   (3) 818
   (4) 378

68. The value of \( \sqrt{a/a/a/\ldots} \) is:
   (1) 1
   (2) \( a \)
   (3) \( a^2 \)
   (4) \( \infty \)

DIRECTIONS: In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are substituted by a, b, c, d, e, f, g, h, i and j. And 10 is written as ba.

64. bee + fg – (ca × h/be) is equal to:
   (1) bja
   (2) afb
   (3) jfb
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65. There are 600 Tennis players. 4% wear wrist band on one wrist. Of the remaining, 25% wear wrist bands on both hands. How many players don't wear a wrist band?
   (1) 534
   (2) 432
   (3) 344
   (4) 482

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   (1) 5 km/hr
   (2) 4 km/hr
   (3) 6 km/hr
   (4) 7 km/hr
67. In the number series 4, 10, 23, 50, 104, 216 and 439, the wrong number is:
   (1) 10  (2) 23  (3) 104  (4) 50

68. India recently won gold in world Youth Under-16 Chess Olympiad against:
   (1) Ukraine  (2) Russia  (3) Turkey  (4) Iran

69. Which soil is more suitable for crops like cashew nut?
   (1) Red laterite soil  (2) Black soil  (3) Alluvial soil  (4) Arid soil

70. We can not see during a fog because of:
   (1) Reflection of light  (2) Internal reflection  (3) Scattering of light  (4) None of these

71. The value of \( \frac{1}{x^2} + \frac{1}{y^2} \) where \( x = 2+\sqrt{3} \) and \( y = 2-\sqrt{3} \) is:
   (1) 12  (2) 16  (3) 14  (4) 10

72. In a certain code language 'PROPORTION' is written as 'PORPRONOIT'. How is 'CONVERSION' written in that code language?
   (1) VNOCERONIS  (2) VNCORENOIS  (3) VNOCRENOIS  (4) VNOCREIONS

73. Recently which ministry has launched two schemes namely–venture capital fund for S.C. and Green business scheme:

74. India's first dedicated military satellite?
   (1) GSAT–12  (2) GSAT–7  (3) GSAT–1  (4) GSAT–8

DIRECTIONS: Answer the following questions according to the instructions given.
A$B$ means A is not smaller than B
A#B means A is not greater than B
A@B means A is neither smaller nor equal to B
A*B means A is neither greater than nor smaller than B
A%B means A is neither greater than nor equal to B

75. STATEMENT:
   M@J, J$T, T*N
   CONCLUSION:
   I. N#J II. T%M III. M@N
   (1) Only I and II are true  (2) Only I and III are true  (3) Only II is true  (4) All are true
DIRECTIONS: (Question No. 76 to 78) Read the following information and answer the questions that follow.

In Common Wealth Games, six weightlifters were selected through a rigorous selection test. Their names are Atul, Bimal, Chintoo, Debu, Eshan and Fakir. Out of them Bimal, Chintoo and Eshan were from Rural Background and the remaining from urban background. Atul, Bimal and Debu had completed their education in English medium and all remaining in Hindi Medium. Debu and Fakir had specialisation in yoga and others had specialisation in swimming.

76. If Atul and Chintoo were also yoga specialists, what would have been the number of swimming specialist from rural background:
   (1) 1  (2) 2  (3) 3  (4) None of these

77. Which of the following description is correct in respect of Atul and Bimal.

   both of them are:
   (1) From urban background studied in English medium
   (2) From Rural Background studied in English medium
   (3) Having Swimming specialisation studied in English medium
   (4) English medium players but one of them is a yoga expert

78. Who among the following is a yoga specialist coming from urban background and studied in English medium:

   (1) Fakir  (2) Atul  (3) Chintoo  (4) Debu

79. This river rises from Trimbak plateau of north Sahyadri:

   (1) Cauvery  (2) Godavari  (3) Krishna  (4) Mahanadi

80. Who won the inaugural title of the star sports Pro Kabaddi league:

   (1) U Mumba  (2) Jaipur Pink Panther  (3) Dabang Delhi  (4) Bengal Warriors

81. STATEMENT:

   All boys are girls
   No girl is a father

   CONCLUSION:
   I. All girls are boys
   II. No boy is a father

   (1) Only I is true  (2) Only II is true
   (3) Only I and II are true  (4) None of them is true
DIRECTIONS: The following graph gives the marks scored by a student in different subjects – English, Hindi, Mathematics, Science and Social Science in an examination. Assuming that the total marks obtained for the examination are 540, answer the question given below.

82. The difference of marks between Social Science and Mathematics as the same as between:
   (1) English and Science
   (2) Science and Hindi
   (3) Hindi and English
   (4) None of these

83. Hajo is an ancient pilgrimage center for three religions. Which one religion is not included in this:
   (1) Hindu
   (2) Buddhists
   (3) Jains
   (4) Muslims

DIRECTIONS: In a certain code language–
   i. ‘Cod dex nom’ stands for ‘banana is sweet’
   ii. ‘Zip dex nux’ stands for ‘apple is good’
   iii. ‘Cod nux elp’ stands for ‘banana and apple’ and
   iv. ‘pa reb nom’ stands for ‘oranges are sweet’.

84. Which word in that language stands for ‘apple’.
   (1) Elp
   (2) Nux
   (3) Zip
   (4) None of these

85. To which ocean the Panama Canal joins the Atlantic Ocean?
   (1) Pacific Ocean
   (2) Indian Ocean
   (3) Arctic Ocean
   (4) Caspian Sea

86. Match List–I with List–II

<table>
<thead>
<tr>
<th>List–I</th>
<th>List–II</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Jawahar Lal Nehru Port</td>
<td>A. Tamilnadu</td>
</tr>
<tr>
<td>2. Paradip Port</td>
<td>B. Maharashtra</td>
</tr>
<tr>
<td>3. Kandla Port</td>
<td>C. Odisha</td>
</tr>
<tr>
<td>4. Ennore Port</td>
<td>D. Gujarat</td>
</tr>
</tbody>
</table>

   (1) 1-D, 2-A, 3-B, 4-C
   (2) 1-B, 2-C, 3-D, 4-A
   (3) 1-D, 2-C, 3-B, 4-A
   (4) 1-B, 2-A, 3-D, 4-C
87. Anusuya, who gave sermons to Sita, the wife of Lord Rama, during their banishment to forest (vanvasa), was the wife of sage:
(1) Atri (2) Angiras (3) Marichi (4) Kratu

88. If the radius of a right circular cylinder is decreased by 50% and its height is increased by 60%, its volume will be decreased by:
(1) 30% (2) 40% (3) 60% (4) 70%

89. The perimeter of a rhombus is 40 cm and the measure of an angle is 60°, then the area of it is–
(1) \(100 \sqrt{3}\) cm\(^2\) (2) \(75 \sqrt{3}\) cm\(^2\) (3) \(180 \sqrt{3}\) cm\(^2\) (4) \(50 \sqrt{3}\) cm\(^2\)

90. If ‘yellow’ is called white, ‘white’ is called pink, ‘pink’ is called red, ‘red’ is called black, ‘black’ is called green, ‘green’ is called orange, then what is the colour of coal?
(1) Red (2) Orange (3) Green (4) Black

91. This is a ground penetrating radar and will provide centimeter scale resolution of the geologic structure of the subsurface. This is among the seven selected payloads that will be sent to Mars 2020 rover mission:
(1) MEDA (2) RIMFAX (3) SHERLOC (4) MOXIE

92. To mark 800\(^{th}\) anniversary of Magna Carta (1215), four surviving copies of the world’s most important documents of parliamentary democracy were recently brought together as a part of celebrations in:
(1) Washington (2) Delhi (3) London (4) Kathmandu

93. The fourteenth Finance Commission recommended \(\ldots\ldots\ldots\ldots\) of the net proceeds of the union tax revenues to be transferred to the states:
(1) 32% (2) 35% (3) 42% (4) 45%

94. Who won Hockey India League–3?
(1) Delhi Waveriders (2) UP Wizards (3) Punjab Warriors (4) Ranchi Rays

95. For 1 MB memory the number of address lines required:
(1) 11 (2) 16 (3) 22 (4) None of these
What is it that people today fail to understand about what is happening to them? What is happening is that they are using up their planet at a fearsome rate and may soon pass the point where their total habitat can sustain human life. Man’s world is slipping away from him. His habits, his thoughts, his actions run counter to the essentials of his existence. He has created national governments for the purpose of giving him maximum protection, but he has no way of protecting himself against the governments. In the act of contending with one another, the governments have become instruments of race suicide and world holocaust.

Most of what man does is irrelevant to his main problems; his ingenuity has been applied to everything except the need to make his planet safe for human habitation. He has cut into his natural environment with large slashes. His sources of food are being sealed over by the tar and cement of his cities and highways. Next to destructive force, he produces nothing in greater volume than his garbage. He has made his sky an open sewer and his rivers and lakes a poisonous brew. He has pumped his foul wastes into the seas and has stared balefully at billions of floating dead fish.

Instead of fortifying his plants against insects with rich loam and compost, he has attacked them indiscriminately with chemicals, violating the chain of life and killing off the birds that are far more essential to his own spirit than many of his commodities. By going against nature, he has warred against beauty of line, movement, and sound. He has been mucking up his own planet, but has the arrogance to go searching for life elsewhere in the universe.

What has been happening to people that they don’t understand is that they have made a geographical entity out of their world without a philosophy for ennobling it, a plan for conserving it, or an organization for sustaining it. Men crave to do good, to act reasonably and think decently. But goodness and decency and wisdom must have a world purpose in our time if life and thought are to have any meaning at all.

96. The author would strongly oppose:
   (1) A flight to Mars to search for life
   (2) A stronger United Nations
   (3) Pollution control
   (4) Organic farming

97. The passage condemns man for:
   (1) Discovery of penicillin
   (2) Laying railway tracks
   (3) Man’s ingenuity
   (4) Mucking up his own planet

98. The tone of the passage can best be said to be:
   (1) Concealed humour
   (2) Alarming concern
   (3) Unbridled anger
   (4) A sense of joy

99. The author’s view on man’s thoughts, habits and actions are that:
   (1) They contribute to financial success
   (2) Run counter to the theory of relativity
   (3) Go against the basics of his existence
   (4) They assist in the process of evolution

100. The passage brings out that man’s craving for doing good, acting reasonably and thinking decently is not enough unless these qualities:
   (1) Are implemented quickly
   (2) Have a goal for entire world
   (3) Build friendship between humans
   (4) Help in avoiding conflict

101. HOI POLLOI:
   (1) Cannibalism
   (2) Tyranny
   (3) The past
   (4) Aristocracy

102. INCREDULOUS:
   (1) Tolerable
   (2) Creditable
   (3) Gullible
   (4) Vicious
DIRECTIONS: (Question 103 & 104) In the following questions, the descriptive sentence is aptly described by just one word. Select the choice which give the meaning most appropriately:

103. A person who creates disorder in a state:
   (1) Rebel  (2) Militant  (3) Anarchist  (4) Fifth columnist

104. One who talks in his sleep:
   (1) Somniloquist  (2) Somnivocalist  (3) Somnambulist  (4) Somnalesist

DIRECTIONS: Which of phrases given below in each sentence should replace the phrase in Underlined to make the sentence grammatically correct?

105. He is too important for tolerating any delay:
   (1) to tolerate  (2) to tolerating  (3) at tolerating  (4) with tolerating

DIRECTIONS: Choose the correct word which can be substituted for the given word/sentence.

106. Extreme old age when a man behaves like a fool:
   (1) Imbecility  (2) Senility  (3) Dotage  (4) Superannuation

107. In the following question, which of the following paired conjunctions would you use to combine the two sentence into one sentence.
   She will have to study hard. She will have to concentrate to do well on the exam.
   (1) both...and  (2) not only...but also  (3) either...or  (4) neither...nor

DIRECTIONS: Arrange the following sentences/phrases in a coherent sequence and select the corresponding choice from (1), (2), (3) and (4).

108. Jumbled sentences/phrases:
   M and took him to hospital
   N His friend came and
   O He cried for help
   P Killed the snake
   Q A snake bit the gardener

   (1) QPONM  (2) ONQPM  (3) QONPM  (4) NMOQP

109. Read the following sentences. In the following sentences, in which sentence adverbs modify the whole sentence rather than any particular word:
   (1) Rekha runs quickly.
   (2) Unfortunately no one was present there.
   (3) This is a very sweet mango.
   (4) Rekha reads quite clearly.

110. Fill in the gap with suitable preposition:
   Ram died __ fatigue.
   (1) of  (2) from  (3) for  (4) in
DIRECTIONS: (Question No. 111 to 112) Against each key word are given four suggested meanings. Choose the word or phrase which is most nearly the same to the keyword.

111. BOURGEOIS:
   (1) Aristocratic
   (2) Animated
   (3) Lively
   (4) Ordinary

112. JOCUND:
   (1) Filmy
   (2) Cheerful
   (3) Cruel
   (4) Laughable

113. The correct passive voice of the following sentence is:
   Will anyone believe your story?
   (1) Will your story be believed by anyone?
   (2) Will you be believed for story by anyone?
   (3) Will your story to be believed by anyone?
   (4) Will your story having been believed by anyone?

114. Identify the incorrect sentence:
   (1) The patient had died before the doctor arrived.
   (2) He behaves as if he was a king.
   (3) Read regularly lest you should fail.
   (4) Bread and butter makes a good breakfast.

115. Identify the incorrect plural:
   (1) Swine
   (2) Sheep
   (3) Species
   (4) Aircrafts

116. Fill in the blank using the correct tense:
   I ..... at five o’clock and ..... for two hours. After taking a bath, I ..... breakfast. Then, I ..... to school on my bike.
   (1) Got up, studied, took, went
   (2) Get up, will study, take, went
   (3) Get up, study, will take, go
   (4) Got up, will study, will take, will go

117. Given below are the words with different spellings. Select the one which you consider to be correctly spelled:
   (1) Paraphernalia
   (2) Paraphrenalia
   (3) Parapherenalia
   (4) Paraphrennalia

118. Change the following direct speech into correct reported speech and mark your options from among choices.
   Ram said, “The teacher left an hour ago”
   (1) Ram said that the teacher had left an hour ago
   (2) Ram said that the teacher left an hour ago
   (3) Ram said that the teacher had left an hour before
   (4) Ram said that the teacher had left an hour ahead

119. Fill in the gap correctly.
   India won by an ____ and three ____.
   (1) Innings, run
   (2) Innings, runs
   (3) Inning, run
   (4) Inning, runs

DIRECTIONS: Choose the appropriate preposition to fill in the blank.

120. Our plane stopped ....... Mumbai airport on the way to Italy.
   (1) in
   (2) over
   (3) on
   (4) at
इस पुस्तिका पर कुछ भी लिखने से पहले निम्नलिखित निर्देश ध्यानपूर्वक पढ़ें।

**महत्वपूर्ण:** निम्नलिखित निर्देश ध्यानपूर्वक पढ़ें। अपने प्रश्नों के उत्तर प्रश्न-पुस्तिका में न लगाएं अन्य चयन प्रक्रिया से आपकी पात्रता बंद कर दी जाएगी।

1. **अपना उत्तर लिखना प्रारंभ करने से पहले अपनी प्रश्न-पुस्तिका की भाली-पीती जांच कर लें, देखें कि इसमें 120 प्रश्न हैं। प्रत्येक प्रश्न पुस्तिका की सीमित विशेषता होगी (प्रश्न-पुस्तिका संख्या एवं प्रश्न-पुस्तिका सीमित). आपको OMR उत्तर पत्तिका पर सही प्रश्न-पुस्तिका सीमित एवं प्रश्न-पुस्तिका संख्या लिखना है। पुनः यह भी पर्यंत है कि इसमें बैठाई संबंधी अन्य अन्य काम को कोई कमी नहीं है। यदि किसी प्रश्न का कोई कमी हो तो परीक्षाकीर्ति को सूचित करें और प्रश्न-पुस्तिका बदलकर एक नयी पुस्तिका एवं एक नयी OMR हैं। इस संदर्भ में किसी भी प्रश्न की कोई विकल्प पर बाद में कोई निर्देश नहीं किया जाएगा।

**महत्वपूर्ण नोट:** आपको उत्तर पत्तिका अभ्यार्थी के प्रश्न-पुस्तिका सीमित एवं प्रश्न-पुस्तिका संख्या के संयोजन से मुल्यांकित की जाएगी। अतः आपको उत्तर पत्तिका पर सही प्रश्न-पुस्तिका सीमित एवं प्रश्न-पुस्तिका संख्या लिखनी चाहिए। इसमें से किसी एक में भी गलती होने पर आपकी प्रत्येकें उत्तर पत्तिका निर्देश हो सकती है। आपको उत्तर पत्तिका में प्रश्न-पुस्तिका संख्या एवं प्रश्न-पुस्तिका सीमित नहीं भरने पर अभ्यार्थी के उत्तर पत्तिका का मूल्यांकन नहीं किया जाएगा जिसकी निम्नेतारी स्तर: अभ्यार्थी की होगी।

2. प्रश्न पत्र विभागीय (हिंदी एवं अंग्रेजी) में है। हिंदी संक्षरण में किसी भी भिड़ता होने पर मूल्यांकन के लिए अंग्रेजी संक्षरण को अल्पसमय माना जाएगा।

3. सुनिश्चित करें कि आपकी प्रवेश-पत्र एवं आपकी वाणी को आपके द्वारा एवं काम निरीक्षक के द्वारा हस्ताक्षर किया गया है। यदि हस्ताक्षर नहीं किया/कराया गया है तो पत्रभाषा निरंतर हो जाएगी।

4. कोई बदल-विकल्प प्रश्नों की 1 अंक है। अनुसंधान प्रश्नों के लिए न तो एक अंक है। प्रत्येक प्रश्न के लिए केवल एक ऑप्शन का चयन करें। यदि आप एक से ज्यादा ऑप्शन चयन करते हैं या एक से ज्यादा ऑप्शन पर कोई दूसरा मास्क मिलता है, ऐसे ऑप्शन के लिए कोई अंक नहीं दिया जाएगा।

5. यह एक वस्तुस्थता किस्म की परीक्षा है जिसमें प्रत्येक प्रश्न के नीचे क्रम (1) से (4) तक चार प्रतिलिपिय उत्तर दिए गए हैं। आपके विवाद में जो भी उत्तर सही/सत्स्थित है उसको आपको उत्तर पत्र में दिखाना विशेष चिन्ह किया जाएगा। आपको उत्तर प्रश्न-पुस्तिका में न लगाए।

6. आपकी प्रश्न-पत्तिका पर सभी अभ्यार्थी के लिए नीचे लिखी ऑप्शन चयन करने के लिए दिखाई देते हैं। आपकी प्रश्न-पत्तिका पर ऑप्शन की पूर्ण रूप से केवल नीचे लिखी ऑप्शन चयन करे। एक बार दिया गए उत्तर को बदला नहीं जा सकता। उत्तर के स्तर एवं ऑपरेटिंग प्लॉट का अनुपाती है।

7. केल्ट्युलेटर, स्लाइडर, डाइट, केल्ट्युलेटर प्रढ़ियाँ या यह प्रकार की कोई भी युक्ति एवं किसी भी अव्यवस्थापन/संदर्भ समाप्ति आदि का प्रयोग करने का उत्तर पत्र का विवरण है एवं द्विनियार्थी अपराध है।

8. रफ़ कार्य पुस्तिका में किसी भी खारिज स्थान में किया जाना चाहिए, और आपकी प्रश्न-पत्तिका पर कोई भी रफ़ कार्य न करें। किसी अन्य कारनाम के उसे करने की अनुमति नहीं है।

9. परीक्षा की समाप्ति के पश्चात प्रत्येक उत्तर-पत्तिका (OMR) पर्यवेक्षक को सौंप दें। आपकी प्रश्न-पत्तिका पर कोई भी चयन न करें। किसी अन्य कारक पर इसे करने की अनुमति नहीं है।

परीक्षार्थी परीक्षा के उपरान्त अपना प्रश्न-पत्र ले जा सकता है।