

PART A : ENGLISH LANGUAGE

DIRECTIONS (2-3): In Question Nos. 2 to 3, some of the sentences have errors and some have none. Find out which part of a sentence has error and blacken the oval (●) corresponding to the appropriate letter (a), (b) and (c). If there is no error, blacken the oval (●) corresponding to (d) in the Answer Sheet.

1. Everyone of the films/ (a) you suggested/ (b) are not worth seeing./ (c) No error./ (d)
2. The Secretary and the Principal of the college/ (a) are attending/ (b) the District Development Council meeting at the Collectorate./ (c) No error./ (d)
3. No sooner had the hockey match started/ (a) when it began/ (b) to rain./ (c) No error./ (d)

DIRECTIONS (4-6): In Question Nos. 4 to 6, choose the word opposite in meaning to the given word and mark it in the Answer-Sheet.

4. **ATHEIST**

(a) rational	(b) theologian
(c) believer	(d) ritualist
5. **GIANTIC**

(a) weak	(b) fragile
(c) slight	(d) tiny
6. **ILUST**

(a) liberal	(b) intelligent
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- | | |
|------------|-----------|
| (c) lavish | (d) clear |
|------------|-----------|

DIRECTIONS (7-9): In Questions Nos. 7 to 9, groups of four words are given. In each group, one word is correctly split. Find the correctly split word and mark your answer in the Answer-Sheet.

7. (a) vacation (b) excitement
(c) expedition (d) extraction
8. (a) external (b) interview
(c) introvert (d) exact
9. (a) expect (b) impact
(c) exite (d) impact

DIRECTIONS (10-11): In Question Nos. 10 to 11, four alternatives are given for the idiom/phrase underlined in the sentence. Choose the alternative which best expresses the meaning of the idiom/phrase and mark it in the Answer-Sheet.

10. She is a rain-coat friend.
(a) a good friend
(b) a friend who moves difficulties calmly
(c) one who deserts you in difficulties
(d) a favourable friend
11. To die in harness means to die while
(a) riding a horse (b) in a stable
(c) in a uniform (d) still in service

12. To keep under wrap means to keep something

- (a) covered (b) protected
(c) unpacked (d) secret

13. After independence Indian agriculture rose like a phoenix due to the Green Revolution.

- (a) with a new life (b) with a start
(c) with royal gift (d) with vengeance

DIRECTIONS (24-18): In Question Nos. 14 to 18, out of the four alternatives, choose the one which can be substituted for the given words/expressions and indicate it by Marking the appropriate oval (●) in the Answer-Sheet.

14. The worship of idols or images

- (a) Adoration (b) Theism
(c) Idolatry (d) Iconoclasm

15. Something that is poisonous or unhealthy

- (a) Inertal (b) Toxic
(c) Torpid (d) Toxic

16. A remedy for all diseases

- (a) Antiseptic (b) Panacea
(c) Intellegentia (d) Parasol

DIRECTIONS (17-18): In Question Nos. 17 to 18, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice and mark your answer in the Answer-Sheet.

17. Circumstances will oblige me to go

- (a) I will oblige the circumstances and go.
(b) I shall be obliged to go by the circumstances.
(c) Under the circumstances, I should go.
(d) I would be obliged by the circumstances to go.

18. We want much time on trifles

- (a) Much time was wanted on trifles.
(b) Much time will be wanted on trifles.
(c) Much time is wanted by us on trifles.
(d) Much time is wanted on trifles.

DIRECTIONS (19-20): In Question Nos. 19 to 20, the first and the last sentences of the passage are numbered I and 6. The rest of the passage is split into four parts and named P, Q, R and S. Three four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct. Then find the correct answer and indicate it in the Answer-Sheet.

19. (I) Fighting a fire demands a lot of strength and endurance

(P) The breathing vest may weigh as much as 25 kilograms.

(Q) The protective clothing the fire-fighter wears will weigh about 10 kilograms.

(R) The fire-fighter will normally wear an oxygen mask and carry an oxygen tank.

(S) Apart from these, he will have to carry the hose and other tools.

(6) The weight of the hose and other tools, the

fire-fighter carries, will be around 50 kilograms.

- (a) QPQR (b) QSRP
(c) QSRQ (d) SPQR

20. (I) We were taking tea at the Railway Tea Stall.

(P) We found a tourist bus which had just returned into a deserted area on the roadside.

(Q) We rushed out of the tea stall.

(R) We helped the passengers to get out of the bus.

(S) Suddenly we heard a loud noise followed by a cry for help.

(6) We informed the hospital and also the police about the accident.

- (a) SQPR (b) QSRP
(c) PQSR (d) RSPQ

DIRECTIONS (21-25): In Question Nos. 21 to 25, you have a brief passage with 4 questions following each passage. Read the passage carefully and choose the best answer to each question out of the four alternatives and mark it in Answer-Sheet.

In 776 BC the First Olympic Games were held at the foot of Mount Olympus to honour the Greek chief God, Zeus. The Greeks emphasized, physical fitness and strength in their education of youth. Therefore games in running, jumping, discus and javelin throwing, boxing and horse and chariot racing were held in individual cities, and the winners competed every four years at Mount Olympus. Winners were greatly honoured by having poems sung about their deeds. Originally these were held as games of friendship, and any wars in progress were halted to allow the games to take place. The Greeks attached so much importance to these games that they calculated time in four-year cycles called 'Olympiads' dating from 776 BC.

21. Where were the first Olympic Games held?

- (a) Mount Olympus (b) Mount Olympiad
(c) Mount Orela (d) Mount of Greece

22. Why were the Olympic Games held?

- (a) To stop wars.
(b) To crown the best athletes.
(c) To honour Zeus.
(d) To sing songs about athletes.

23. Approximately how many years ago did these games originate?

- (a) 776 years (b) 2776 years
(c) 1287 year (d) 2781 years

24. Which of the following contests was not held?

- (a) Discus throwing (b) Skating
(c) Boxing (d) Running

25. The values connected with Olympic Games were

- (a) physical fitness, education of youth and friendship
(b) health, contests and singing
(c) running, jumping, throwing and boxing
(d) four-year cycles, war-time, young age and friendship

26. A student has to secure 55% marks to pass. He gets 295 and fails by 98 marks. Find the maximum marks?
- (a) 750 (b) 800
(c) 780 (d) 850
27. In an office each employee deposits an amount equal to the number of employees working. An outsider person deposits ₹204 to make the total amount ₹1500. How many employees are there in the office?
- (a) 43 (b) 38
(c) 48 (d) 36
28. A man gives 20% of his property to his younger son and 20% of the remainder to elder son. He donated rest of the property to trust. If he gives ₹1000 to younger son, find the amount donated to trust?
- (a) ₹5000 (b) ₹2500
(c) ₹6000 (d) ₹3000
29. If $x + \frac{1}{x} = 4$ then $x + \frac{1}{x} = ?$
- (a) 16 (b) 25
(c) 50 (d) 22
30. A cylindrical vessel of radius 4 cm contains water. A solid sphere of radius 3 cm is lowered into the water until it is completely immersed. The water level in the vessel will rise by?
- (a) $\frac{9}{4}$ cm (b) $\frac{4}{9}$ cm
(c) $\frac{3}{9}$ cm (d) $\frac{1}{9}$ cm
31. A triangle with sides 4 cm and 5 cm is rotated about the side of length 4 cm through an angle of 60° . The volume of the solid generated is?
- (a) 16 cc (b) 12 cc
(c) 18 cc (d) 8 cc
32. A hall 30 metre long and 15 metre broad is surrounded by a lawn of uniform width 2.5 m. The cost of flooring the lawn at the rate of ₹8 per sq. metre is?
- (a) ₹1400 (b) ₹1300
(c) ₹1500 (d) ₹1600
33. The length of a rectangle is increased by 40%. By what percentage would the width have to be decreased to maintain the same area?
- (a) $\frac{400}{3}\%$ (b) $\frac{200}{3}\%$
(c) $\frac{500}{7}\%$ (d) 25%
34. Three equal jars are filled with a mixture of milk and water. The proportion of milk to water in each jar is 2 : 3, 3 : 4 and 4 : 5. The contents of these jars are emptied into a single vessel. What is the proportion of milk and water in it?
- (a) 405 : 604 (b) 544 : 401
(c) 1 : 2 (d) 29 : 77
35. Simplify :
- $$\frac{3\frac{1}{2} \times \left[\frac{7\frac{1}{2}}{2} - 2 \right] + \left(5 - 6\frac{1}{2} - 4\frac{1}{2} \right)}{\left(\frac{1}{2} \right)}$$
- (a) 7 (b) 8
(c) 6 (d) 9
36. In an examination a student was asked to find $\frac{3}{14}$ of a certain number. By mistake he found $\frac{3}{4}$ of it. His answer was 150 more than the correct answer. The given number is
- (a) 280 (b) 180
(c) 250 (d) 160
37. Find the value of $\log_2 729 + \log_3 256$
- (a) 20 (b) $\log 10$
(c) 18 (d) $\log_2 4^{10}$
38. If $2 \cdot 3^m = 10^6$ then $m = ?$
- (a) 6 (b) 5
(c) 3 (d) 4
39. Shyam travels a certain distance at 3 km/hr and reaches 15 min late. If he travels at 4 km/hr he reaches 15 min earlier. The distance he has travelled is
- (a) 6 km (b) 7.2 km
(c) 9 km (d) 8.4 km
40.
$$\frac{1}{4 - \frac{1}{1 - \frac{1}{2 - \frac{1}{1 - \frac{1}{2}}}}} = ?$$
- (a) 1 (b) $\frac{2}{3}$
(c) $\frac{1}{4}$ (d) 2
41. Ram can do $\left(\frac{1}{3}\right)$ of work in 5 days and Shyam can do $\left(\frac{1}{5}\right)$ of work in 5 days. In how many days both A and B together can do the work?
- (a) $7\frac{3}{4}$ days (b) $9\frac{3}{8}$ days

42. $7\frac{1}{4}$ days

(d) $7\frac{3}{4}$ days

42. A man goes to a place at the rate of 18 kmph. He comes back on a cycle at 15 kmph. The Average speed of the entire journey is ?

- (a) 7 km/hr (b) 5 km/hr
(c) 30 km/hr (d) 12 km/hr

43. When 9 is subtracted from a number it is square root of 256. What is the number?

- (a) 26 (b) 16
(c) 35 (d) 40

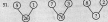
44. The average of 8 numbers is 25. If 8 is added in each of the numbers, then the average of the new set of numbers is ?

- (a) 33 (b) 35
(c) 25 (d) None of these

45. Find the cube root of 288000 ?

- (a) 25 (b) 30
(c) 500 (d) 250

46. $\frac{1}{\sqrt{5}-3} + \frac{2}{\sqrt{5}+3} + \frac{3}{\sqrt{5}} = ?$



- (a) 66 (b) 76
(c) 96 (d) 72



- (a) 78 (b) 63
(c) 75 (d) 75

55. Arrange the following in chronological order.

1. Index 2. Title
3. Contents 4. Chapter
5. Introduction
(a) 1, 3, 5, 2, 4 (b) 2, 3, 5, 4, 1
(c) 3, 2, 3, 4, 1 (d) 5, 4, 1, 2, 3

54. If + denotes \times , \times denotes $-$, $-$ denotes \div , then find the value of $25+5-25 \times 15$

- (a) 0 (b) 125
(c) 5 (d) 5

53. A, P, Z, M, R, T, S, X, Y, N. Find the letter which is exactly midway between A and M.

- (a) R (b) T
(c) S (d) Y

56. Find which one word can not be made from the letters of the word, 'significant'.

(a) 2 (b) 1
(c) 2 (d) 3

47. $\sqrt{21+\sqrt{3024}} + \frac{7}{10} = ?$

- (a) 8 (b) 1
(c) 2 (d) 3

48. In a business A invests $\frac{1}{3}$ of B and B invests $\frac{2}{3}$ of

C. If C invests ₹1500, What is A's investment ?

- (a) ₹400 (b) ₹200
(c) ₹500 (d) ₹800

49. Four angles are located round a point. The ratio of their measures is 4 : 5 : 3 : 6. Find the lowest value angle?

- (a) 80° (b) 60°
(c) 90° (d) 30°

52. A man spends ₹875 per month and saves 12.5% of his income. His monthly income is.

- (a) ₹1500 (b) ₹2000
(c) ₹1200 (d) ₹1000

PART C : REASONING

- (a) Sign (b) Scam
(c) Scandal (d) Sift

57. Question Figure



Answer Figure



58. Question Figure



Answer Figure



59. Question Figure



Answer Figure



DIRECTIONS (64-67): Choose the one which is different from the rest.

60. (a) 15 (b) 17
(c) 19 (d) 23
61. (a) 20 (b) 82
(c) 65 (d) 75

DIRECTIONS (62-64): Select the correct pair.

62. Ship : River :: Canal :
(a) Forest (b) Desert
(c) Sea (d) Rajasthan
63. Australian sport : Tennis :: Serengeti trophy :
(a) Football (b) Volleyball
(c) Cricket (d) Kabaddi
64. Wood : Carpenter :: Cement :
(a) Building (b) Mason
(c) Cobbler (d) Labourer

65. Statements

Some players are talented. All talented are Australians.

Conclusions:

- (A) Some players are Australians.
(B) Some players are not Australians.
(C) No players are talented.

66. Statements

All boys are brilliant. All brilliant are girls.
Conclusions:

- (A) All girls are boys.
(B) All boys are girls.
(C) No boys are brilliant.

67. Statements

Some trees are bushes. No bushes are plants.
Conclusions:

- (A) Some trees are not plant.
(B) Some plants are bushes.
(C) All bushes are trees.

68. Complete the following series.

18, 18, 34, ...

- (a) 60 (b) 78
(c) 90 (d) 79

69. A _____ is _____.

- (a) train (b) bus
(c) boat (d) car

7. If red is called green, green is called purple, purple is called black and black is called blue, then what will be the colour of coal.

- (a) Black (b) Green
(c) Purple (d) Blue

DIRECTIONS (71 to 73) : If circle represents male, triangle female and square other, then answer the question.



71. Who among the following is urban male?

- (a) A (b) D
(c) E (d) B

72. Who among the following is not urban female?

- (a) B (b) D
(c) A (d) C

73. Who among the following is male/female and reside in urban area?

- (a) D (b) B
(c) A (d) E

DIRECTIONS (74-76): Select the odd one.

74. (a) Eye (b) Nose
(c) Hair (d) Ear
75. (a) Paris (b) Ranchi
(c) Lucknow (d) Varanasi

DIRECTIONS (76-78): Choose odd number/letter group in the following questions.

76. (a) 4 - 20 (b) 7 - 36
(c) 15 - 132 (d) 9 - 81
77. (a) 5 - 38 (b) 6 - 35
(c) 7 - 50 (d) 12 - 143
78. (a) CBA (b) BQP
(c) UST (d) DNM
(a) AX (b) CX
(c) FY (d) EY

79. $\frac{4}{25} \times \frac{5}{36} \div \frac{6}{49} = ?$

- (a) $\frac{7}{96}$ (b) $\frac{7}{84}$
(c) $\frac{9}{28}$ (d) 1

PART D : GENERAL AWARENESS

81. The Buddha's teachings were collected in three

- (a) Upanishads (b) Pitanas
(c) Mahavarnas (d) Pitakas

82. Commonly used safety fuse-wire is made of

- (a) Tin (b) Lead
(c) Nickel (d) An alloy of tin and lead

83. When water is heated from 0°C to 4°C, its volume
 (a) Increases
 (b) Decreases
 (c) First increases then decreases
 (d) Remains the same
84. An astronaut travelling in a satellite would find the colour of the sky
 (a) Blue
 (b) Black
 (c) Orange
 (d) Red
85. Natural rubber is a
 (a) Polyester
 (b) Poly-isoprene
 (c) Unsaturate
 (d) Polysaccharide
86. The Fundamental Rights under the Indian Constitution can be suspended during
 (a) General Elections
 (b) National Emergency
 (c) All types of emergencies
 (d) None of these
87. The Industrial Policy which first expressed the concept of a mixed economy for India, came in
 (a) 1951
 (b) 1956
 (c) 1948
 (d) 1954
88. Grasslands which do not support any trees are called
 (a) Lanes
 (b) Steppes
 (c) Campos
 (d) Savana
89. Which of the following is the largest gulf in the world?
 (a) Gulf of Mexico
 (b) Gulf of Guinea
 (c) Gulf of Aden
 (d) Persian Gulf
90. Who among the following is affectionately called 'Grand father of Indian Nationalism'?
 (a) Dadabhai Naoroji
 (b) Rajnarayan Bose
 (c) M.G. Ranade
 (d) Jyotindra Kshtri Tagore
91. Who is known as the father of Biology?
 (a) Aristotle
 (b) Mendel
 (c) Lamarck
 (d) Linnaeus
92. Yage philosophy was developed by
 (a) Kanada
 (b) Carvaka
 (c) Kapila
 (d) Patanjali
93. President's rule can be imposed in a State for a maximum period of
 (a) 6 months
 (b) 1 Year
 (c) 3 years
 (d) Indefinite period
94. Which article requires the state to make effort to secure a uniform civil code throughout the territory of India?
 (a) Article 33
 (b) Article 37
 (c) Article 44
 (d) Article 39
95. If the Governor of a State dies, who becomes the acting Governor?
 (a) Anyone appointed by the President of India
 (b) The Chief Justice of the State
 (c) The Chief Secretary
 (d) The Chief Minister
96. Which one of such orders was at first the most orthodox?
 (a) Sultanawadi
 (b) Kadari
 (c) Naqshbandi
 (d) Chird
97. Who built the famous temple at Khajuraho?
 (a) Pandya
 (b) Chandella
 (c) Cholas
 (d) Chalukyas
98. Who used the gold coins for the first time in India?
 (a) Mauryas
 (b) Guptas
 (c) Palas
 (d) Kushans
99. How many times the word 'Shudra' occur in the Rig Veda?
 (a) Once
 (b) Twice
 (c) Three
 (d) Four times
100. Which of the following had the most esteemed place in the economy of the Vedic village life?
 (a) Carpenter
 (b) Bronze-Smith
 (c) Potter
 (d) Weaver

PART E : COMPUTER

101. _____ controls the way in which the computer system functions and provides a means by which users can interact with the computer.
 (a) The operating system
 (b) The motherboard
 (c) The platform
 (d) Application software
102. The difference between people with access to computers and the Internet and those without this access is known as the
 (a) digital divide
 (b) Internet divide
 (c) Web divide
 (d) cyberway divide
103. Servers are computers that provide resources to other computers connected to a
 (a) mainframe
 (b) supercomputer
 (c) network
 (d) client
104. Word processing, spreadsheet, and photo-editing are examples of
 (a) application software
 (b) system software
 (c) operating system software
 (d) platform software
105. A _____ is approximately one billion bytes.
 (a) bit
 (b) kilobyte
 (c) gigabyte
 (d) megabyte
106. All of the following are examples of input devices EXCEPT a
 (a) scanner
 (b) mouse
 (c) printer
 (d) keyboard
107. Computers use the _____ language to process data.
 (a) relational
 (b) megabyte
 (c) binary
 (d) processing
108. In the binary language each letter of the alphabet, each number and each special character is made up of a unique combination of

- (a) eight bytes (b) eight characters
(c) eight bits (d) eight kilobytes.
109. _____ is data that has been organized or presented in a meaningful way.
(a) A process (b) Information
(c) Software (d) Storage
110. All of the following are examples of real security and privacy risks EXCEPT:
(a) Viruses (b) Identity theft.
(c) Hackers (d) Spam
111. Which of the following is an input device?
(a) Mouse (b) Keyboard
(c) Scanner (d) All the above
112. The set of instructions that tells the computer what to do is
(a) Software (b) Hardware
(c) Microscope (d) Telescope
113. Which of the following stores more data?
(a) DVD (b) CD ROM
(c) Floppy Disk (d) CD RW
114. _____ is the heart of the computer and this is where all the computing is done.
(a) Keyboard (b) Monitor
(c) Central Processing Unit (d) Printer
115. One byte is equal to
(a) 8 bit (b) 16 bit
(c) 32 bit (d) 64 bit
116. To move forward through the tabs
(a) CTRL+TAB (b) CTRL+SHIFT+TAB
(c) SHIFT+TAB (d) None of these
117. Personal computers can be connected together to form a
(a) server (b) network
(c) supercomputer (d) enterprise
118. Choose the smallest memory size
(a) kilobyte (b) megabyte
(c) gigabyte (d) terabyte
119. The steps and tasks needed to process data, such as responses to questions or clicking on icons, are called:
(a) instructions (b) operating systems
(c) application software (d) system unit
120. The operating system is the most common type of _____ software.
(a) system (b) communication
(c) application (d) word-processing