

16. Towards which direction was the vehicle moving before it stopped at point T?
 (a) West (b) South
 (c) North (d) East
17. Given the 25th February 2008 is Monday, what day is 2nd March of 2008?
 (a) Tuesday
 (b) Saturday
 (c) Sunday
 (d) Monday
18. Age of Navon is equal to Navon as they are twins. Nihal is younger than Navon, Priyanka is younger than Nihal but older than Navon. Who is the eldest of all?
 (a) Navon (b) Nihal
 (c) Nihal (d) Navon
19. Given interchanges: signs + and - numbers 8 and 10.
 (a) $8 - 10 = 8 - 10 = 2$
 (b) $10 - 8 = 10 - 8 = 2$
 (c) $10 + 8 - 8 = 10$
 (d) $10 + 8 - 2 = 10$
20. Cause and effect relationship: RACE : FATIGUE
 (a) Tack : Antler
 (b) Ant : Bug
 (c) Fast : Hunger
 (d) Walking : Running

21. Grammatical Relationship: RESTORE : CLIMB
 (a) Into : Nymph
 (b) Precipice : Although
 (c) Segregation : soon
 (d) Overpower : Sober
22. Numerical Relationship: 4 : 8
 (a) 10 : 16 (b) 3 : 4
 (c) 9 : 27 (d) 12 : 6
23. Which of the following is wrongly matched.
 (a) Koolhaa, Delhi
 (b) Great wall of China, China
 (c) Harappan towns, Delhi
 (d) White House, Mexico
24. How many such pairs of digits are there in the number 95137248 each of which has as many digit between them in the number as when they are arranged in ascending order?
 (a) One (b) Two
 (c) Three (d) None
25. How many triangle there in the adjoining figure?



- (a) 17 (b) 18
 (c) 5 (d) 11

PART - II : NUMERICAL ABILITY

26. Two trains of equal length are running in parallel lines in the same direction at 46 km/h and 36 km/h. The faster train passes, the slower train in 36 sec. The length of each train is:
 (a) 50 m (b) 80 m
 (c) 72 m (d) 82 m
27. A parallelepiped whose sides are in ratio 2 : 4 : 8 have the same volume as a cube. The ratio of their surface area is :
 (a) 4 : 3 (b) 8 : 5
 (c) 7 : 6 (d) 7 : 3
28. The parallel sides of a trapezium are in a ratio 2 : 3 and their shortest distance is 12 cm. If the area of the trapezium is 480 sq cm, the longer of the parallel sides is of length.
 (a) 24 cm (b) 42 cm
 (c) 48 cm (d) 26 cm
29. If $2x + y = 6$ and $x = 2$ are two linear equations, then graph of two equations meet at a point:
 (a) (6, 2) (b) (2, 2)
 (c) (1, 2) (d) (2, 6)

Directions (30-32) : The following pie-chart shows the number of students who failed in different subjects in an examination. Examine the chart and answer the questions. 30 is the total number of students who have failed in 300.



30. Total number of students who did not qualify in Mathematics or Language or Science, is :
 (a) 490 (b) 450
 (c) 470 (d) 460
31. The number of students failed in science is less than the number of students failed in all other subjects by :
 (a) 140 (b) 150
 (c) 160 (d) 170

32. Number of students who failed in mathematics is less than the students who did not qualify in language is :
 (a) 40 (b) 30
 (c) 50 (d) 20
33. Profit after selling an article for ₹ 425/- is the same as loss after selling it for ₹ 355/-. The cost of the article is :
 (a) ₹ 385/- (b) ₹ 395/-
 (c) ₹ 395/- (d) ₹ 405/-
34. If each edge of a cube is increased by 25%, the percentage increase in its surface area is :
 (a) 125% (b) 156%
 (c) 75% (d) 100%
35. The area (in sq unit) of the triangle formed in the first quadrant by the line $kx + 4y = 12$ is :
 (a) 4 (b) 8
 (c) 12 (d) 6
36. The perimeter of an isosceles right angled triangle is $2p$ cm. Its area is :
 (a) $(2 + \sqrt{2})p^2$ sq cm
 (b) $(3 + 2\sqrt{2})p$ sq cm
 (c) $(3 - 2\sqrt{2})p^2$ sq cm
 (d) $(2 - \sqrt{2})p$ sq cm
37. The length of a train and a platform is equal. The train at the speed of 90 km/hr crosses the platform in 1 minute. What is the length of platform ?
 (a) 750 m (b) 690 m
 (c) 760 m (d) 810 m
38. A man covered a certain distance of one side by cycle and other side by scooter in 2 hours 20 minutes. If he had covered the total distance by cycle then time consumed was 3 hours 40 minutes. In what time he can cover the total distance by scooter ?
 (a) 1 hr 15 minutes
 (b) 1 hr 10 minutes
 (c) 1 hr 40 minutes
 (d) 2 hr 5 minutes
39. Find the true discount on a bill for ₹ 1,270/- due in 7 months hence at 10% per annum.
 (a) ₹ 1,050/- (b) ₹ 1,100/-
 (c) ₹ 1,120/- (d) ₹ 1,200/-
40. A and B jointly invest ₹ 2,100/- and ₹ 1,000/- respectively in a firm. A is an active partner and he gets 25% of the profit separately. If their business yields them total ₹ 1,040/- as profit, what will be the gain of each of them ?
 (a) ₹ 415, ₹ 625/-
 (b) ₹ 575, ₹ 465/-
 (c) ₹ 515, ₹ 525/-
 (d) ₹ 560, ₹ 480/-
41. The circumference of two concentric circles are 176 m and 132 m. What is the difference between their radii ?
 (a) 5 m (b) 9 m
 (c) 11 m (d) 7 m
42. A rectangular field is 50 m \times 50 m. Inside the field there is path of width 3 m bordering the field. What is the area of the path ?
 (a) 3450 sq m (b) 1300 sq m
 (c) 3000 sq m (d) 1300 sq m
43. Value of k for which $(x - 2)$ is a factor of $(x^2 + kx + 2)$ is :
 (a) 2 (b) 3
 (c) 4 (d) 5
44. If $x - \frac{1}{x} = 3$, The value of $x^2 - \frac{1}{x^2}$ is :
 (a) 2 (b) 13
 (c) 18 (d) 11
45. Diameter of a roller is 2.4 m and it is 1.65 m long. If it takes 1000 complete revolutions once over to level a field, the area of the field is :
 (a) 12872 sq m (b) 12871 sq m
 (c) 12762 sq m (d) 11768 sq m
46. If each edge of a cube is increased by 10% then by how much percent will the surface area of this cube be increased ?
 (a) 21% (b) 18%
 (c) 15% (d) 20%
47. The value of $\cos 195^\circ + \sin 105^\circ$ is :
 (a) 0 (b) $\left(\frac{\sqrt{3}}{2}\right)$
 (c) $\frac{1}{\sqrt{2}}$ (d) $\left(\frac{\sqrt{3} + 1}{2}\right)$
48. The value of $\sin\left(47\frac{1}{2}^\circ\right) \cos\left(22\frac{1}{2}^\circ\right)$ is :
 (a) $2\sqrt{2}$ (b) $2\sqrt{2}$
 (c) $\frac{1}{2\sqrt{2}}$ (d) $-\frac{1}{2\sqrt{2}}$
49. $\sqrt{x^2 - y^2} + x^{-1} = \sqrt{y^2}$ is equivalent to :
 (a) $2x$ (b) 1
 (c) $\frac{1}{2x^2}$ (d) $\frac{1}{x}$
50. Which of the following is false for two congruent triangles :
 (a) Corresponding angles are equal.
 (b) Two sides and included angles are equal.
 (c) Corresponding sides are equal.
 (d) Two angles and one side are equal.

81. The term "Missile Man of India" is usually associated (after Pokharen-II tests) with :
 (a) Aral Bhanu Vajpayee
 (b) R. Chidambaram
 (c) A. P. J. Abdul Kalam
 (d) General V.P. Malik
82. The words 'Satyameva Jayate' in the State Emblem of India, have been adopted from which one of the following ?
 (a) Brahms Upanishad
 (b) Mandala Upanishad
 (c) Mundaka Upanishad
 (d) None of these
83. Name the only person who was awarded Nobel Prize, Padma Shree, Padma Bhushan, Padma Vibhushan and Bharat Ratna ?
 (a) J. L. Nehru (b) Indira Gandhi
 (c) Mother Teresa (d) Awarabindo Ghosh
84. "Approximately how many kilometers are represented by 1" of latitude ?
 (a) 421 km (b) 91 km
 (c) 111 km (d) 211 km
85. Which region of the root provides the protuberance base ?
 (a) Root cap
 (b) Maturation region
 (c) Zone of cell division
 (d) Elongation region
86. Which city is known as the Capital of Europe ?
 (a) Yankov (b) Dublin
 (c) Barcelona (d) Belgium
87. When was SAARC formed ?
 (a) November, 1984 (b) December, 1982
 (c) December, 1985 (d) March, 1989
88. In which types of rocks, would you find coal and petroleum ?
 (a) Igneous (b) Sedimentary
 (c) Granite (d) Metamorphic
89. Sunlight always over comes the light of the stars. The fading away of stars in the presence of the sun is known as :
 (a) eclipse of the stars
 (b) occultation
 (c) blinding effect
 (d) None of the above
90. Pondicherry territory is scattered in several states. Which state does not share boundary with Pondicherry ?
 (a) Andhra Pradesh (b) Kerala
 (c) Karnataka (d) Tamil Nadu
91. Japan's attack on which place brought the USA into second World War ?
 (a) Seychelles (b) Pearl Harbour
 (c) Florida (d) New York
92. Commercial services was started on all India Radio for the first time in :
 (a) 1957 (b) 1959
 (c) 1967 (d) 1969
93. Subodh-Azad Bhagat Singh, Rajguru and Sukhdev were executed by the British Government on 23rd March, 1931. In which of the following cases they were implicated ?
 (a) Muzum conspiracy
 (b) Kakori conspiracy
 (c) For lobbing bomb in the Assembly Hall
 (d) Lahore conspiracy
94. What is the fly leaf ?
 (a) thin paper sheet for making packaging material
 (b) a blank page at the beginning or end of a book
 (c) a marker in a book
 (d) a sheet of paper next to the main title of the book
95. Now a days Kalinga is known as :
 (a) Orissa (b) Kohima
 (c) Karnataka (d) Maharashtra
96. Tughling dynasty occupied Delhi throne after decline of :
 (a) Sati dynasty (b) Slave dynasty
 (c) Lodhi dynasty (d) Khilji dynasty
97. MAD stands for :
 (a) Most active Disease
 (b) Miss Aluminium Day
 (c) Mutually Assured Death
 (d) Mutually Assured Destruction
98. Which has the highest share of electrical power generation in India :
 (a) Thermal power
 (b) nuclear power
 (c) hydro-power
 (d) sulphur-based and gas-based power
99. "Water water everywhere but not a drop to drink" who stated these lines in a poem ?
 (a) John Milton
 (b) Samuel Taylor Coleridge
 (c) Lord Byron
 (d) P. B. Shelly

78. How can a person move on a hard icy surface ?
 (a) he should use roller skates
 (b) he should hop, sneeze, jump and step in the direction which is opposite to the direction of his required movement
 (c) he should hop, sneeze, jump and step in the directions in which the movement is required
 (d) he should slide on his knees and hands
79. Kolar Gold Mines are in this state.
 (a) Karnataka (b) Bihar
 (c) Odisha (d) Madhya Pradesh
78. The Permanent Secretariat of SAARC is at
 (a) Islamabad (b) New Delhi
 (c) Kathmandu (d) Colombo

79. If the child loses water and vital nutrients due to diarrhoea and fever, then the housewife must treat him with :
 (a) ORS
 (b) Penicillin capsules
 (c) Crocin Syrup
 (d) Plain water without salt
74. The Shimla Conference was held in :
 (a) 1943 (b) 1945 (c) 1942 (d) 1944
75. He was an Italian navigator. He explored Venezuela, Gulf of Mexico. The USA was named 'America' after him. His name is :
 (a) Amerigo Vesputti (b) Vasco De Gama
 (c) Columbus (d) Andrea Vesaluis

PART - IV : ENGLISH LANGUAGE

Directions (76-78) : In each of the following questions, a bold printed part of the sentence may have an error. The sentence may be made meaningful and correct by replacing the bold printed part with one of the given alternatives a, b, c and d. The number of the alternative is the answer.

76. Shapes of gods and goddesses are worshipped by people.
 (a) Images (b) Reflections
 (c) Clay shapes (d) Clay tops
77. We can not always convey ourselves in simple sentences.
 (a) cannot always convey
 (b) can not always express
 (c) cannot always express
 (d) No correction required
78. One of the most significant **phenomenons** of our time has been the development of the cinema.
 (a) phenomenon (b) phenomena
 (c) phenomenons (d) No correction required

Directions (79-81) : Some proverbial idioms are given below with their meanings. Choose the correct meaning of the proverb/idiom.

79. To catch a tartar
 (a) To trap wanted criminal with great difficulty
 (b) To catch a dangerous person
 (c) To meet with disaster
 (d) To deal with a person who is more than one's match
80. To be above board
 (a) To have a good height
 (b) To be honest in any business deal
 (c) To have no debts
 (d) To try to be beautiful

Directions (81-82) : In questions given below, out of the four alternatives, choose the one which can be substituted for the given words/sentences.

81. One who is fond of fighting
 (a) Bullicose (b) Aggressive
 (c) Belligerent (d) Militant
82. Tending to move away from the center or axis
 (a) Centrifugal (b) Centripetal
 (c) Aximetric (d) Awry

Directions (83-87) : In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each four words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case :

Studies of cognitive development have shown that the child's ability to use generalised ... (83)... develops more slowly in history than in any other school subjects. This typical development of reasoning in historical ... (84)... makes it necessary for the historian to focus upon events that may be included in the text. In many cases, the historian may need to ... (85)... with special effort a generalised understanding of key concepts to be used in reference. This ... (86)... may well mean that school history cannot cover as many events as it does at present. Also, school histories may have to provide for topic work or theme-based description rather than merely observe ... (87)... conformity.

83. (a) tasks (b) concept
 (c) procedures (d) theories
84. (a) chronology (b) arena
 (c) perspective (d) context

87. (a) include (b) grapple
(c) provide (d) deliver
88. (a) necessity (b) requirement
(c) understanding (d) rationale
87. (a) interval (b) metaphysical
(c) eternal (d) chronological

Directions (89-89) : Choose the best alternative that fits in both the places in the answer of each sentence.

89. I. Our office decided to organize a party for the couple.
II. She him in conversation to while away some time.
- (a) New (b) Engaged
(c) Plighted (d) Held
89. I. The organization decided on an hourly minimum of ₹ 20/-
II. Will the a war on these fronts to improve things?
- (a) Pay (b) Declare
(c) Pass (d) Wage

Directions (90-91) : In each of the following sentence, error is marked in bold letters. You have to correct it by choosing the correct alternative.

90. India has always been primarily an agricultural country.
(a) Always be (b) Been towards
(c) Became always (d) No correction required
91. The light has been taken out from our lives.
(a) Out of (b) Away from
(c) Out off (d) Away of

Directions (92-93) : Rearrange the words to form a meaningful sentence.

92. My / type / of / the / is / not
1 2 3 4 5 6
(a) 4 5 6 3 2 1 (b) 4 5 3 2 1 6
(c) 6 3 4 5 2 1 (d) None of these

93. Hated / a / party / the / later / lunch
1 2 3 4 5 6

- (a) 5 4 1 2 6 3 (b) 5 3 2 1 4 4
(c) 4 3 2 1 3 6 (d) None of these

Directions (94-95) : Choose the wrongly spelt word.

94. (a) Controversial (b) Impressed
(c) Pretend (d) Enclosure
95. (a) Exposure (b) Whining
(c) Inauguration (d) Diligent

Directions (96-100) : Rearrange the following six sentences in the proper sequence to form a meaningful paragraph then answer the question given below them.

- (a) The Current of the flowing water was high and was capable of taking away the trees with it.
(b) Some children were playing over the water way.
(c) One of the trees of Mandolina, there was a lake
(d) The water was running fast and above the water way.
(e) One day the heavy rain overflowed the lake.
(f) A man watch them and saved their life.
96. Which of the following is the **FIRST** sentence?
(a) b (b) a
(c) d (d) f
97. Which of the following is the **FOURTH** sentence?
(a) d (b) f
(c) e (d) b
98. Which of the following is the **THIRD** sentence?
(a) a (b) e
(c) d (d) c
99. Which of the following is the **LAST (SIXTH)** sentence?
(a) a (b) d
(c) f (d) c
100. Which of the following is **SECOND** sentence?
(a) b (b) f
(c) d (d) c

PART - V : COMPUTER KNOWLEDGE

101. The metal disks, which are permanently housed in, sealed and contamination free containers are called:
(a) Hard Disk (b) Floppy Disk
(c) Winchester Disk (d) Flexible Disk
102. Regarding a VDU, which statement is more correct?
(a) It is an output device
(b) It is an input device
(c) It is a peripheral device
(d) It is hardware item

103. A storage area used to store data to a computer for the difference in speed at which the different units can handle data is:
(a) Memory (b) Buffer
(c) Accumulator (d) Address
104. Which is used for manufacturing chips?
(a) ICS
(b) Control Unit
(c) Semiconductor
(d) A and B only

105. What was the name of the first commercially available microprocessor chip ?
 (a) Intel 208 (b) Intel 53
 (c) Intel 4004 (d) Motorola 638
106. An error in computer data is called :
 (a) Chip (b) Bug
 (c) CPU (d) Storage device
107. File shrinks the size of a file so it requires less storage space :
 (a) Scanning
 (b) Synthesizing
 (c) Defragmenting
 (d) Compression
108. Which process checks to ensure the components of the computer are operating and connected properly ?
 (a) Booting (b) Processing
 (c) Saving (d) Editing
109. is processed by the computer into information.
 (a) numbers (b) processor
 (c) input (d) data
110. A website address is a unique name that identifies a specific on the Web.
 (a) Web Browser (b) Web Site
 (c) PDA (d) Link
111. A device that connects to a network without the use of cables is said to be
 (a) distributed (b) centralized
 (c) open source (d) wireless
112. Taking a document consists of reading through the document you've created, then
 (a) correcting your errors
 (b) printing it
 (c) saving it
 (d) deleting it
113. The internet allows you to
 (a) send electronic mail
 (b) view Web pages
 (c) connect to servers all around the world
 (d) All of these
114. Most mail programs automatically complete the following two parts in an e-mail :
 (a) From : and Body
 (b) From : and Date
 (c) From : and To
 (d) None of these
115. A Safe Deposit Locker can be accessed among
 (a) All existing account
 (b) Persons below poverty line
 (c) Students
 (d) Jewellers
116. A kind of serial dot-matrix printer that forms characters with magnetically-charged ink sprayed dots is called:
 (a) Laser Printer
 (b) Ink-jet Printer
 (c) Dye-sub Printer
 (d) Chan Printer
117. An output device that uses words or messages recorded on a magnetic medium to produce audio response is :
 (a) Magnetic tape
 (b) Voice response unit
 (c) Voice Band
 (d) Paper tape
118. An approach that permits the computer to work on several programs instead of one is :
 (a) One Line thousand
 (b) Multiprogramming
 (c) Over lapped processing
 (d) Outline processing
119. The term gigabyte refers to :
 (a) 1024 bytes (b) 1024 kilobytes
 (c) 1024 megabytes (d) 1024 gigabyte
120. A/s Device is any device that provides information, which is sent to the CPU
 (a) Input (b) Output
 (c) CPU (d) Memory
121. Which of the following is not an input device ?
 (a) OCR
 (b) Optical scanners
 (c) Voice Recognition device
 (d) COM (Computer Output to Microfilm)
122. The computer code for the interchange of information between terminals is :
 (a) ASCII (b) BCD
 (c) EBCDIC (d) All of them
123. A byte consists of :
 (a) One bit (b) Four bits
 (c) Eight bits (d) Sixteen bits
124. Information that comes from an external source and fed into computer software is called
 (a) Output (b) Input
 (c) Throughput (d) Kojira
125. The operating system that is self-contained in a device and resident in the ROM is
 (a) Batch Operating System
 (b) Real Time Operating System
 (c) Embedded Operating System
 (d) None of these