



- Consider the following statements:
 - Kottayam district has neither inter-state border nor coastline.
 - Wayanad is the only district in Kerala that shares border with Tamil Nadu and Karnataka
 - The Union Territory that shares border with Kerala is Puducherry
 - The Kerala High Court has jurisdiction over the district of Mahe.
 Which of the above statements is/are correct?
 - 1,2,3 and 4
 - 1, 2 and 3
 - 1,2 and 4
 - 2,3, and 4
- In connection with which event, Gandhiji visited Kerala for the second time, in 1925?
 - Vaikom Satyagraha
 - Guruvayur Satyagraha
 - Paliyam Satyagraha
 - Wagon tragedy
- The king of Travancore who issued a proclamation in 1874 to control nepotism in appointments to Government Service:
 - Marthanda Varma
 - Swati Tirunal
 - Ayilyam Tirunal
 - Sri Mulam Tirunal
- Who took initiative to file a counter memorial in favour of Brahmins, against the Malayali Memorial?
 - Chenkotta Ramayyar
 - CP Ramaswami Aiyer
 - T. Madhava Rao
 - Sankarasubbayyar
- Consider the following groups.
 - Ernakulam, Malappuram, Wayanad
 - Wayanad, Pathanamthitta, Kasaragod
 - Pathanamthitta, Wayanad, Kasaragod
 Which one of the following indicates the groups which follows the chronological sequence of formation of districts of Kerala?
 - 1,2, and 3
 - 1 and 2
 - 2 and 3
 - 1 and 3
- Name the leader of renaissance who was ousted from his caste for the reason of attending the Ahmedabad Congress Session of 1921?
 - Mannath Padmanabhan
 - T.K. Madhavan
 - V.T. Bhatathirippad
 - Ayyankali
- Who, on the basis of logical reasoning

- rejected all existing religions and at the same time established a new religion called 'Aananthamath'?
- Chattampi Swamikal
 - Ayya Vaikuntar
 - Thycaud Ayya
 - Brahmananda Sivayogi
- "Whatever the religion, attire, language and such other things of human kind, as they belong to same caste (species) there is no harm in interdining and intermarriage between them" - Sree Narayana Guru made this suggestion to:
 - Kumaranasan
 - Vagbhatananda
 - Sahodaran Ayyappan
 - T.K. Madhavan
 - Consider the following statements:
 - Kerala became the first total literate state in India.
 - Perumon tragedy is the worst train accident in Kerala.
 - K. Karunkaran became the first congress chief minister of Kerala to complete tenure.
 - Silent Valley was declared National Park.
 Select the option that indicates the correct chronological order:
 - 2,3,4,1
 - 4,3,2,1
 - 2,3,4,1
 - 4,2,3,1
 - The importance of 27th October 1946 in the history of Travancore:
 - Temple Entry Proclamation
 - Democratic government assumed power
 - The Vayalar uprising
 - Kozhanchery speech of C. Kesavan
 - The Indian Parliament passed the Information Technology Bill, which is regarded as the mother legislation regulating the use of computers, computer systems and computer networks as also data and information in the electronic format, in the year:
 - 2000
 - 2001
 - 2002
 - 2003
 - The attempt to acquire information (and sometimes, indirectly, money) such as usernames, passwords, and credit card details by masquerading as a trustworthy entity in an electronic communication is termed:
 - Spamming
 - Phishing

- (c) Spoofing
(d) None of these
13. A website containing stories and articles relating to current events, life, sports, money and weather is considered as a(n) ---- website.
(a) Business/marketing
(b) Portal
(c) Informational
(d) News
14. 'D.B.M.S.' stands for:
(a) Data Base Management System
(b) Data Bus Management System
(c) Data Business Management System
(d) Direct Base Management System
15. Domain name extension '.nic' is generally used for which one of the following ?
(a) Organisational websites
(b) Educational websites
(c) Companies in India
(d) E- governance websites
16. Indian Legislature was made bicameral for the first time in through:
(a) Govt. of India Act, 1935
(b) Indian Council Act, 1909
(c) Govt. of India Act, 1919
(d) None of these
17. The constituent assembly was elected indirectly by.....
(a) The members of the Provincial legislative assembly
(b) The members of the British Parliament
(c) People of India
(d) Rulers of the princely states
18. Consider the following statements:
1. Rajya Sabha is called the house of elders
2. The minimum age to become a member of Rajya Sabha is 30 years
3. Rajya Sabha is the successor of Council of States in British India.
4. The presiding officer of Rajya Sabha is Deputy Chairman.
Which of the above statements is/are correct?
(a) 1,2,3 and 4 (b) 1,2 and 3
(c) 2,3 and 4 (d) 1,2 and 4
19. Which schedule of the Constitution contains provisions about emoluments and allowances of Presidents and Governors?
(a) Third (b) First
(c) Second (d) Fifth
20. Titular sovereign means:
(a) A sovereign elected by parliament
(b) A person who enjoys all the powers vested in him by the Constitution
(c) A person who is vested with all the sovereign powers but the same is exercised by somebody else
(d) A person who enjoys absolute power and is not accountable to anybody
21. Ashfaqulla Khan was sentenced to death in connection with:
(a) Lahore case
(b) Kakori Case
(c) Chittagong Case
(d) Alipur Case
22. Which is the last one in the chronological order?
(a) Cripps Mission
(b) Quit India Movement
(c) August Offer
(d) Individual Satyagraha
23. In the year 1946, who among the following joined the viceroy's executive council with the finance Portfolio ?
(a) Liaqat Ali Khan
(b) Mohammad Ali Jinnah
(c) Nawab Salimullah
(d) Shaukat Ali
24. Ahsan Manzil Palace in Dhaka, is known for which among the following landmarks in Modern Indian History?
(a) Pakistan Resolution
(b) Establishment of All India Muslim League
(c) Jinnah-Gandhi talks
(d) None of the above
25. Consider the following statements:
1. The first Satyagraha conducted by Gandhiji in his life is Champaran Satyagraha.
2. The most violent among the agitations led by Gandhiji was Quit India Movement.
3. Gandhiji started Dandi March from Allahabad.
4. Champaran is at present in the modern state of Bihar.
Which of the above statements is/are correct?
(a) 1,2,3 and 4 (b) 2,3 and 4
(c) 2 and 3 (d) 2 and 4
26. 'Biosphere Reserve Project' is aimed at protecting:
(a) Environment
(b) Cattle population
(c) Flora and Fauna
(d) Human beings from pollution
27. Auxin causes a plant shoot to bend toward light by causing cells:
(a) to grow less rapidly on the light side of the shoot
(b) to grow more rapidly on the light side of the shoot
(c) in the centre of the shoot to differentiate unevenly

- (d) to grow more rapidly on the dark side of the shoot
28. In the human body, Cowper's gland form a part of which one of the following?
- Digestive system
 - Endocrine gland
 - Reproductive system
 - Nervous system
29. Which one of the following was not proposed by Charles Darwin?
- Survival of the fittest
 - Natural selection
 - Inheritance of acquired characters
 - Struggle for existence
30. Which gland is known as 'biological clock'?
- Pineal gland
 - Pituitary
 - Thymus
 - Pancreas
31. Consider the following statements:
- The Special theory of relativity was published by Albert Einstein in 1905.
 - The General theory of relativity was published by Albert Einstein in 1915.
 - Einstein got Nobel Prize for Physics in 1921.
 - Einstein got Nobel Prize for theory of Relativity.
- Which of the above statements is/are correct?
- 1,2,3 and 4
 - 2,3 and 4
 - 1,2 and 3
 - 1,3 and 4
32. A photo-electric cell converts-
- Mechanical energy to electric energy
 - Heat energy to mechanical energy
 - Light energy to chemical energy
 - Light energy to electrical energy
33. A cotton wick dipped in pure honey when ignited with a match stick will:
- Burn consistently
 - Burn with cracking sound
 - Does not burn at all
 - Burn with too much smoke
34. The green coating on the surface of copper objects kept exposed to moist air is due to the formation of:
- Copper sulphide
 - Basic copper nitrate
 - Basic copper carbonate
 - Hydrated copper sulphate
35. Development of unpleasant smell and taste in oil and fat containing food items due to oxidation of atmospheric oxygen is called:
- Radio activity
 - Turbidity
 - Acidity
 - Rancidity
36. The most suitable soil for cotton cultivation:
- Black soil
 - Alluvial soil
 - Laterite soil
 - Forest soil
37. At which one of the following places do two important rivers of India originate; while one of them flows towards north and merges with another important river flowing towards Bay of Bengal, the other one flows towards Arabian Sea?
- Amarkantak
 - Badrinath
 - Mahabaleswar
 - Nasik
38. The mountain ranges run parallel to Bay of Bengal:
- Western ghats
 - Himalayas
 - Vindhyas
 - Eastern ghats
39. Consider the following groups:
- Nagaland, Haryana, Himachal Pradesh
 - Sikkim, Mizoram, Arunchal Pradesh
 - Uttarakhand, Jharkhand, Chhatisgarh
 - Gujarat, Haryana, Nagaland
- Which one of the following indicates the groups contain the correct chronological sequence of formation of Indian states?
- 1,2,3 and 4
 - 1 and 2
 - 1,2 and 3
 - 2,3 and 4
40. Bhitarkarnika mangrove forests are in the state of:
- West Bengal
 - Andhra Pradesh
 - Odisha
 - Jammu Kashmir
41. Who among the following are called 'Scavengers of ecosystems'?
- Bacteria
 - Fungi and Bacteria
 - Alage, Fungi and Bacteria
 - None of these
42. Which one of the following is a side effect of Green Revolution?
- Environmental pollution
 - Deterioration of biodiversity
 - Increasing of acidity of soil
 - All of these
43. The first biosphere reserve in India:
- Nilgiri
 - Kaziranga
 - Thenmala
 - None of these

44. Ramsar Convention held in Iran is related to:
- Deserts
 - Wetlands
 - Rivers
 - Tidal forests
45. Red Data Book provides data on:
- Red flowered plants
 - Red coloured fish
 - Endangered plants and animals
 - Red coloured insects
46. Which Indian won the 2017 Von Hippel Award, the highest international Prize in materials research?
- C.N.R. Rao
 - U.R. Rao
 - Kasthuri Rangan
 - None of these
47. The seat of International Campaign to Abolish Nuclear Weapons (ICAN) which has won 2017 Nobel Peace Prize:
- Brussels
 - New York
 - London
 - Geneva
48. The first country in the world to grant citizenship to robot:
- USA
 - Saudi Arabia
 - Japan
 - China
49. Consider the following statements:
- Malayalam film actress Parvati got Rajat Kamal Award in 2017.
 - The film that made Parvati eligible for Rajat Kamal was "Take Off".
 - The film "Take Off " was directed by Sanalkumar Sasidharan
- Which of the above statements is/are correct?
- 1,2 and 3
 - 1 and 2
 - 2 and 3
 - 1 and 3
50. Who is the author of 'Daivathinte Pustakam' which got the Award of Kendra Sahitya Academy?
- K.R. Meera
 - Subash Chandran
 - K.P. Ramanunni
 - None of these
51. He is too clever ----- (Complete the sentence.)
- that he cannot be deceived
 - so that he cannot be deceived
 - to be deceived
 - to deceive
52. "Neither a borrower nor a lender be"-, said the father to his son.

- (Change the mode of narration.)
- The father told his son not to be a borrower nor a lender.
 - The father said that his son should not be a borrower or a lender.
 - The father told his son not to be either a borrower or a lender.
 - The father told his son that he should be neither a borrower nor a lender.
53. They rejected his proposal and laughed at him. (Change the voice.)
- His proposal was rejected and he was laughed at.
 - He was rejected and laughed at.
 - His proposal rejected and he was laughed at by them.
 - His proposal was rejected and laughed by them.
54. We haven't seen each other ---- he joined the army. (Choose the correct verb form.)
- after
 - since
 - when
 - from
55. There will be an enquiry ---- the cause of the accident. (Use the correct preposition.)
- into
 - in
 - on
 - in
56. He is ---- Asian by birth, not ---- European. (Use the correct article. If no article is needed anywhere, use x.)
- an, an
 - a, an
 - x, an
 - an, a
57. Were he to come here, ----- (Complete the sentence.)
- I will tell him to stay for lunch.
 - I would tell him to stay for lunch.
 - I shall tell him to stay for lunch.
 - I will be telling him to stay for lunch.
58. A career in journalism will be a judicious choice for you. 'Judicious' means:
- good
 - better
 - prudent
 - advisable
59. Find out if there is an error in any part of the sentence. If there is no error, the answer is (d).
- Whatever work
 - that which you undertake
 - / put your best efforts in it.
 - No error
60. We must ---- our forests. (Choose the right word to fill in the gap.)
- conserve
 - preserve
 - deserve

- (d) construct
61. The word nearest in meaning to the word 'intricate' is ----
 (a) simple
 (b) complicated
 (c) concealed
 (d) mixed
62. A heavy fog ----- the trains from the north.
 (Choose the correct phrasal verb to fill in the sentence.)
 (a) filled up
 (b) ran down
 (c) held up
 (d) put down
63. I think he is not going to return from the US.
 (Use the appropriate tag.)
 (a) is he?
 (b) is he?
 (c) don't I?
 (d) does he?
64. The deaf and the dumb ----- our sympathy and care.
 (Choose the right verb form.)
 (a) deserves
 (b) deserve
 (c) are deserving
 (d) have deserved
65. With his poor communication skills, his determination to pass the IAS examination is going to be a wild goose chase. A wild goose chase means,
 (a) a determined effort
 (b) a difficult thing
 (c) a foolish attempt
 (d) a well-thought out decision
66. One word for 'undue favour shown to one's relatives' is,
 (a) chauvinism
 (b) favouritism
 (c) parochialism
 (d) nepotism
67. Complete the saying: Handsome is -----
 (a) as handsome people
 (b) as handsome does
 (c) what handsome do
 (d) the handsome people
68. The car he bought recently ---- him a fortune.
 (Choose the correct verb-form.)
 (a) costs
 (b) is costing
 (c) has cost
 (d) costed
69. Identify the wrongly spelt word:
 (a) lackadaisical
 (b) parsel

- (c) ambassador
 (d) noise
70. A shelter for a pet dog is called -----.
 (a) kennel
 (b) fold
 (c) stable
 (d) den
71. ശരിയായ പദം ഏത്
 (a) യശത്ശരീരൻ
 (b) യശാശരീരൻ
 (c) യശശരീരൻ
 (d) യശത്ശരീരൻ
72. വക്ത്രം എന്ന പദത്തിന്റെ അർത്ഥം
 (a) വളഞ്ഞ (b) മുഖം
 (c) മുറം (d) കലപ്പ
73. വൃഷ്ടി എന്ന പദത്തിന്റെ വിപരീതം ഏത്
 (a) തൃഷ്ടി (b) സൃഷ്ടി
 (c) ദൃഷ്ടി (d) സമഷ്ടി
74. അമൃത്, പിയൂഷം, സുധ, - ശ്രേണി പൂർത്തിയാക്കുവാൻ യോജിച്ച പദമേത്
 (a) അർഘ്യം (b) ഉദകം
 (c) നിർജരം (d) മകരന്ദം
75. കന്മതിൽ - എന്ന പദം പിരിച്ചെഴുതുന്നത്
 (a) കല്ല് + മതിൽ
 (b) കൻ + മതിൽ
 (c) കല്പിൻ + മതിൽ
 (d) കല് + മതിൽ
76. ഏതൊക്കെ പദങ്ങൾ ചേർന്നാണ് 'അഹോരാത്രം' എന്ന പദമുണ്ടായത്
 (a) അഹോരവും രാത്രവും
 (b) അഹോരമായ രാത്രങ്ങൾ
 (c) അഹസ്സും രാത്രവും
 (d) അഹസ്സ് മുതൽ രാത്രം വരെ
77. അയാൾ കേവലം ജലപാനം മാത്രം കഴിച്ച് ഒരാഴ്ചകൂടി കഴിച്ചുകൂട്ടി - ഈ വാക്യത്തിൽ കാണുന്ന ദോഷം
 (a) വൃഥാസമൂലത
 (b) പ്രക്രമഭംഗം
 (c) പൗനരൂക്യം
 (d) ദോഷമില്ല
78. താളിപിഴിയുക - എന്ന ശൈലിയുടെ അർത്ഥമെന്ത്
 (a) പരോപകാരം ചെയ്യുക
 (b) ദാസ്യവൃത്തി ചെയ്യുക
 (c) സേവകനായി പ്രവർത്തിക്കുക
 (d) അടുക്കളപ്പണി ചെയ്യുക
79. Grease the palm -- എന്ന പ്രയോഗത്തിന്റെ മലയാളം
 (a) കയ്യിൽ സുഗന്ധലേപനം പുരട്ടുക
 (b) കൈക്കൂലി കൊടുക്കുക
 (c) അഴിമതിയുടെ കറപുരളുക
 (d) കൈ കൊടുത്തു തടിക്കുക
80. മിണ്ടാപ്പൂച്ച കലമുടങ്ങും എന്ന അർത്ഥമുള്ള പ്രയോഗം
 (a) A burnt child dreads the fire

- (b) Still waters run deep
(c) Deep rivers move in silence
(d) Everybody is wise after the event.
81. The value of $\sqrt[3]{0.000064}$ is
(a) 0.2 (b) 0.4
(c) 0.8 (d) 0.3
82. What is the least number of cut pieces of equal length that can be cut out of two lengths 10 m 857 mm and 15 m 87 mm?
(a) 141 (b) 184
(c) 282 (d) 208
83.
$$\frac{(4.32)^3 - 0.96 \times (4.32)^2 + 12.96 \times (0.32)^2 - (0.32)^3}{4 \times 4 \times 4}$$

(a) 0.69 (b) 2
(c) 1 (d) 5.88
84. A student multiplied a number by $\frac{3}{5}$ instead of $\frac{5}{3}$. What is the percentage error?
(a) 35% (b) 44%
(c) 56% (d) 64%
85. The dealer of a TV shop charges his customer 15% more than the cost price. If a customer paid Rs. 17825 for a TV set, then what was the cost price of the TV?
(a) ₹12375 (b) ₹14250
(c) ₹15500 (d) ₹17200
86. The average of 5 consecutive odd numbers A, B, C, D and E is 57. What is the product C and E?
(a) 2284 (b) 3477
(c) 2928 (d) 3674
87. Length, breadth, height of a box are 4 cm, 12 cm and 1 m, the density of air is 1.2 kg/m^3 . The mass of air present in the box is
(a) 57.6 kg (b) 5.76 kg
(c) 57.6 g (d) 5.76 g
88. 6 men can complete a piece of work in 12 days. 8 women can complete the same work in 18 days where as 18 children can complete the piece of work in 10 days. 4 men, 12 women and 20 children work together for 2 days. If only men were to complete the remaining work in 1 day, how many men would be required totally?
(a) 36 (b) 18
(c) 24 (d) 16
89. A train of length 150 m took 8 seconds to cross a bridge of length 250 metres. Time taken by the train to cross a telephone post is
(a) 2s (b) 3s
(c) 5s (d) 6s
90. Which one is biggest number?
(a) $3\sqrt[3]{10}$ (b) $4\sqrt[3]{8}$
(c) $5\sqrt[3]{6}$ (d) $2\sqrt[3]{5}$
91. CLOSE : DNRWJ :: OPEN : _____

- (a) PRHR (b) PRRH
(c) RPRH (d) RPHR
92. The next term in the series K8K, N13E, Q20Z, T31V, _____
(a) Z37Q (b) W44S
(c) X41X (d) Z39Q
93. Five persons P, Q, R, S and T are regularly seated in a circle. Q is between R and S. P is to the immediate right of R. T is not between Q and P. Who among the following is between P and S.
(a) P (b) Q
(c) R (d) T
94. If '÷' means '-', '-' means '×', '×' means '+' and '+' means '÷' then $30 \times 20 \div 2 - 50 + 10 =$
(a) 50 (b) 30
(c) 40 (d) 20
95. Some girls are standing in a queue. If the tenth girl from behind is 5 behind the 12th girl from the front, how many are there in the queue?
(a) 26 (b) 20
(c) 18 (d) 27
96. If the 11th day of a month having 31 days is a saturday, which of the following days will occur five times in that month?
(a) Monday (b) Sunday
(c) Thursday (d) Tuesday
97. Arrange the following words according to dictionary arrangements?
1. Surpass 2. Surmise 3. Surplus 4. Surname
(a) 1, 2, 3, 4 (b) 2, 4, 1, 3
(c) 3, 2, 1, 4 (d) 4, 1, 2, 3
98. Which is the missing term in the following series 8, 9, 8, 7, 10, 9, 6, 11, 10, ?, 12
(a) 5 (b) 7
(c) 8 (d) 11
99. Choose the pair in which the words are differently related
(a) See:Eye (b) Hear:Ears
(c) Touch:Skin (d) Tongue:Taste
100. Read the information given below and answer the questions that follow:
A×B means A and B are the same age
A-B means B is younger than A
A+B means A is younger than B
Jasmine-Mumthas-Harshad, Which of the following cannot be correct under any circumstances
(a) Harshad is the father of Jasmine
(b) Harshad is the younger brother of Jasmine
(c) Jasmine is the mother of both Mumthas and Harshad
(d) None of these

81. (a)

$$\sqrt[3]{0.000064} = \sqrt[3]{0.008} = 0.2$$

82. (b)

$$10\text{m } 857\text{mm} = 10857\text{mm}$$

$$15\text{m } 87\text{mm} = 15087\text{mm}$$

$$\text{HCF of } 10857 \text{ and } 15087 = 3 \times 47 = 141$$

$$3 \overline{)10857, 15087}$$

$$47 \overline{)3619, 5029}$$

$$77, 107$$

The least number of cutpieces

$$= \frac{10857+15087}{141} = \frac{25944}{141} = 184$$

83. (c)

$$\frac{(4.32)^3 - 0.96 \times (4.32)^2 + 12.96 \times (0.32)^2 - (0.32)^3}{4 \times 4 \times 4}$$

$$= \frac{(4.32)^3 - 3 \times 0.32 \times (4.32)^2 + 3 \times 4.32 \times (0.32)^2 - (0.32)^3}{4 \times 4 \times 4}$$

$$= \frac{(4.32 - 0.32)^3}{4^3} [\because a^3 - 3a^2b + 3ab^2 - b^3 = (a-b)^3]$$

$$= \frac{4^3}{4^3} = 1$$

84. (d)

Let the number be x

$$\text{Actual calculation } \frac{5}{3}x$$

$$\text{Wrong calculation } \frac{3}{5}x$$

$$\text{Error} = \frac{5}{3}x - \frac{3}{5}x = \frac{25x - 9x}{15} = \frac{16x}{15}$$

$$\text{Error percentage} = \frac{\text{Error}}{\text{Actual calculation}} \times 100$$

$$= \frac{\frac{16x}{15}}{\frac{5}{3}x} \times 100$$

$$= \frac{16}{15} \times \frac{3}{5} \times 100 = 64\%$$

85. (c)

$$\text{Selling price} = 17825$$

$$115\% \text{ of CP} = \text{Selling price} = 17825$$

$$\text{CP} = 17825 \times \frac{100}{115} = 15500$$

86. (b)

The average of 5 consecutive odd numbers

$$= \text{Middle number} = C$$

$$\therefore C = 57$$

$$D = 57 + 2 = 59$$

$$E = 59 + 2 = 61$$

$$C \times E = 57 \times 61 = 3477$$

87. (d)

$$\text{Volume of the box} = lbh = 4 \times 12 \times 100 \text{ cm}^3$$

$$\text{Density of air} = 1.2 \text{ kg/m}^3$$

$$= \frac{1.2 \times 1000 \text{ g/cm}^3}{100 \times 100 \times 100}$$

$$\frac{\text{Mass}}{\text{Volume}} = \text{Density}$$

$$\text{Mass} = \text{Density} \times \text{Volume}$$

$$= \frac{1.2 \times 1000}{100 \times 100 \times 100} \times 4 \times 12 \times 100$$

$$= 5.76 \text{ g}$$

88. (a)

Men : Women : Children

$$6 \times 12 : 8 \times 18 : 18 \times 10$$

$$72 : 144 : 180$$

$$2 : 4 : 5$$

$$\text{So } 2 \text{ men} = 4 \text{ women} = 5 \text{ children}$$

$$4 \text{ men} + 12 \text{ women} + 20 \text{ children}$$

$$= 4 \text{ men} + 6 \text{ men} + 8 \text{ men} = 18 \text{ men}$$

$$6 \text{ men finished a piece of work in 12 days}$$

$$18 \text{ men finished the work} = \frac{12 \times 6}{18} = 4 \text{ days}$$

$$\text{Work in 2 days} = \frac{2}{4} = \frac{1}{2}$$

Rest of the work will be finished in a day by

$$18 \times 2 = 36 \text{ men}$$

89. (b)

$$\text{Distance} = 150 + 250 = 400\text{m}$$

$$\text{Time} = 8 \text{ s}$$

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}} = \frac{400}{8} = 50 \text{ m/s}$$

Distance travelled by the train to cross a telephone post = Length of the train = 150 m

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}} = \frac{150}{50} = 3 \text{ s}$$

90. (c)

$$(3\sqrt[3]{10})^3 = 27 \times 10 = 270$$

$$(4\sqrt[3]{8})^3 = 4^3 \times 8 = 512$$

$$(5\sqrt[3]{6})^3 = 5^3 \times 6 = 750$$

$$(2\sqrt[3]{5})^3 = 2^3 \times 5 = 40$$

91. (a)

C L O S E

↓+1 ↓+2 ↓+3 ↓+4 ↓+5

D N R W J

O P E N

↓+1 ↓+2 ↓+3 ↓+4

P R H R

92. (b)

There are three series

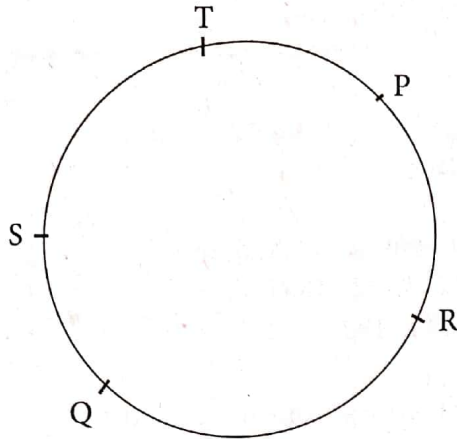
$$\text{I series} \rightarrow K \xrightarrow{+3} N \xrightarrow{+3} Q \xrightarrow{+3} T \xrightarrow{+3} W$$

$$\text{II Series} \rightarrow 8 \xrightarrow{+5} 13 \xrightarrow{+7} 20 \xrightarrow{+11} 31 \xrightarrow{+13} 44$$

(Prime numbers)

$$\text{III Series} \rightarrow K \xrightarrow{-6} E \xrightarrow{-5} Z \xrightarrow{-4} V \xrightarrow{-3} S$$

93. (d)

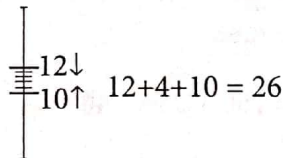


T sits between P and S

94. (c)

$$30 \times 20 \div 2 - 50 + 10 = 30 + 20 - 2 \times 50 \div 10 \\ = 30 + 20 - 2 \times 5 \\ = 30 + 20 - 10 = 40$$

95. (a)



96. (c)

The days which fell on 1, 2 and 3 will occur 5 times in a month

11 → Saturday

4 → Saturday

3 → Friday

2 → Thursday

1 → Wednesday

∴ Wednesday, Thursday and Friday occur 5 times. From the given option Thursday

97. (b)

Surmise, Surname, Surpass, Surplus

98. (a)

The given sequence is a combination of three series

I → 1st, 4th, 7th, 10th term → 8, 7, 6, ?

II → 2nd, 5th, 8th, 11th term → 9, 10, 11, 12

III → 3rd, 6th, 9th term → 8, 9, 10
8, 7, 6, 5

99. (d)

In all other pairs, first denotes the function performed by the second.

100. (a)

Jasmin - Mumthas - Harshad means Mumthas is younger than Jasmine and Harshad is younger than Mumthas. This means that Harshad is younger than Jasmine. So Harshad cannot be the father of Jasmine.

Answers

1.(b)	2.(a)	3.(c)	4.(a)	5.(b)
6.(c)	7.(d)	8.(c)	9.(b)	10.(c)
11.(a)	12.(b)	13.(c)	14.(a)	15.(d)
16.(c)	17.(a)	18.(b)	19.(c)	20.(b)
21.(b)	22.(c)	23.(a)	24.(b)	25.(d)
26.(c)	27.(d)	28.(c)	29.(c)	30.(a)
31.(c)	32.(d)	33.(a)	34.(c)	35.(d)
36.(a)	37.(a)	38.(d)	39.(b)	40.(c)
41.(b)	42.(d)	43.(a)	44.(b)	45.(c)
46.(a)	47.(d)	48.(b)	49.(b)	50.(c)
51.(c)	52.(d)	53.(a)	54.(b)	55.(a)
56.(d)	57.(b)	58.(c)	59.(b): Delete	
that which'	60.(a)	61.(b)	62.(c)	
63.(a)	64.(b)	65.(c)	66.(d)	67.(b)
68.(c)	69.(b)	70.(a)	71.(c)	72.(b)
73.(d)	74.(c)	75.(d)	76.(c)	77.(c)
78.(b)	79.(b)	80.(b)	81.(a)	82.(b)
83.(c)	84.(d)	85.(c)	86.(b)	87.(d)
88.(a)	89.(b)	90.(c)	91.(a)	92.(b)
93.(d)	94.(c)	95.(a)	96.(c)	97.(b)
98.(a)	99.(d)	100.(a)		

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