

1. In what time, at 10% simple interest will a sum of money treble itself?  
 (1) 10 years (2) 15 years  
 (3) 20 years (4) 25 years
2. If a boy goes to school at 6 km/hr and returns home at 4 km/hr, find his average speed.  
 (1) 5 km/hr  
 (2) 5.2 km/hr.  
 (3) 5.5 km/hr.  
 (4) 4.8 km/hr.
3. A father is thirty times older than his son. However, 18 years later, he will be only thrice as old as his son. What is the father's present age?  
 (1) 30 years (2) 60 years  
 (3) 20 years (4) 40 years
4. The price of cooking oil is increased by 20%. By what percent a family should reduce the consumption of cooking oil so as not to increase the expenditure on this account?  
 (1) 20 (2) 16  
 (3) 18 (4) 15
5. A merchant has 100 kg of sugar, part of which he sells at 7% profit and rest at 17% profit. He gains 10% as a whole. Find how much is sold at 7% profit.  
 (1) 70kg (2) 30kg  
 (3) 80kg (4) 10kg
6. If  $p : q = 7 : 9$  and  $q : r = 15 : 7$ , then  $p : r$  is  
 (1) 2 : 5 (2) 3 : 2  
 (3) 7 : 15 (4) 7 : 21
7. When the price of oranges is reduced by 20%, it enables a man to buy 20 more oranges for Rs. 120. The original price per orange is -  
 (1) Rs. 1.50 (2) Rs. 1.20  
 (3) Rs. 1.00 (4) Rs. 1.80
8. In a particular type of fertilizer, the ratio of two chemicals E and F is 2:5. In 21 kg of this fertilizer, 12 kg of E is added, the ratio of E and F in the new fertilizer will be -  
 (1) 1:1 (2) 2:3  
 (3) 2:5 (4) 4:5
9. In a 100 m race, Kamal defeats Bimal by 5 seconds. If the speed of Kamal is 18 km/hr, then the speed of Bimal is -  
 (1) 15.4 km/hr  
 (2) 14.5 km/hr  
 (3) 14.4 km/hr  
 (4) 14 km/hr
10. The mean proportional of 4 and 64 is  
 (1) 56 (2) 24  
 (3)  $\sqrt{256}$  (4) 80
11. The least number of soldiers that can be arranged in 10, 15 and 18 - having equal number of soldiers and can also be arranged in a solid square is -  
 (1) 360 (2) 450  
 (3) 900 (4) 32400
12. 100 litres of a mixture contains 90% water and the rest milk. The amount of water that must be added so that the resulting mixture contains only 60% milk is -  
 (1) 70 litres (2) 32 litres  
 (3) 75 litres (4) 80 litres
13. A woman has a certain number of mangoes, of which 15% are bad. She gives 75% of the remainder to charity, and then has 261 left. How many mangoes did she have at first?  
 (1) 2500 (2) 1250  
 (3) 1200 (4) 600
14. A box contains one-rupee, fifty paise and twenty five paise coins. The total number of coins is 278. The ratio of values of the above coins is 13 : 11 : 7. Find the number of fifty paise coins.  
 (1) 78 (2) 164  
 (3) 248 (4) 132
15. Two numbers are in the ratio 9 : 13. If their LCM is 468, then their HCF is -  
 (1) 12 (2) 8  
 (3) 6 (4) 4
16. A pipe can fill a cistern in 12 hours and another pipe can empty completely filled cistern in 16 hours. If both the pipes are opened together, the cistern will be filled in -  
 (1) 24 hours (2) 32 hours  
 (3) 48 hours (4) 44 hours
17. The average age of a group of men is increased by 5 years when a person aged 18 years is replaced by a new person aged 28 years. How many men are there in the group?  
 (1) 5 (2) 4  
 (3) 6 (4) 4
18. The ratio of two numbers is 10 : 7 and their difference is 185. The sum of the numbers is -  
 (1) 595 (2) 605  
 (3) 1150 (4) 1650
19. A train 110 metres long passes a telegraph pole in 3 seconds. How long it will take to cross a railway platform 132 metres long?  
 (1) 4 seconds  
 (2) 18 seconds  
 (3) 19 seconds  
 (4)  $7\frac{1}{2}$  seconds
20. If 16 horses or 12 cows consume 14.4 quintals of oats in 30 days, how many quintals will 4 horses and 3 cows consume in 8 days?

- (1) 1 quintale  
(2) 2 quintals  
(3) 3 quintals  
(4) 4 quintals

21. C is the wife of B, E is the son of C, A is the brother of B and father of D. What is the relationship of E to D?  
(1) mother (2) brother  
(3) sister (4) cousin

Directions (22-25): Find the missing number(s) from the given alternatives.

22. SCBA, YFED, XHHO ?  
(1) WLKM (2) WJKL  
(3) WLLJ (4) WLLK

23.  $\frac{A}{4} = \frac{D}{8} = \frac{H}{15} = \frac{M}{22} ?$

(1)  $\frac{R}{30}$  (2)  $\frac{S}{30}$

(3)  $\frac{Q}{31}$  (4)  $\frac{Q}{30}$

24. DWEX, FUGJ, HSHJ, ?

(1) JHQP (2) JHQC  
(3) JGQP (4) JPSQ

25.  $\frac{D}{5} = \frac{G}{9} = \frac{J}{14} = \frac{M}{20} ?$

(1)  $\frac{Q}{26}$  (2)  $\frac{Q}{28}$

(3)  $\frac{Q}{27}$  (4)  $\frac{P}{27}$

Directions (26-30): Select the related letters/word/number from the given alternatives.

26. Framework : House :: Skeleton : ?  
(1) Bone (2) Skull  
(3) Body (4) Clave

27. DE : 10 :: HI : ?  
(1) 17 (2) 20  
(3) 24 (4) 44

28. MAT : NCW :: APE : ?  
(1) CDE (2) EHI  
(3) EGO (4) BDE

29. Smile : Laugh :: Hot : ?  
(1) Heat (2) Sweat  
(3) Fire (4) Warm

30. 50 : 65 :: 103 : ?  
(1) 12 (2) 127  
(3) 122 (4) 145

31. Jallikattu Bagh Manceuro took place in the year :  
(1) 1998 (2) 1918  
(3) 1919 (4) 1929

32. 'Tilakachandri' was written by—  
(1) Aryabhata  
(2) Panini  
(3) Varahachari  
(4) Bhaskaracharya

33. Greatest ruler of Vijayanagar empire was —  
(1) Devulaya I  
(2) Devulaya II  
(3) Virupaksha  
(4) Krishnadevulaya

34. Mahatma Movement was initiated by :  
(1) Jyotiba Phule  
(2) Narayan Guru  
(3) Atmaran Parshuram  
(4) B.R. Ambedkar

35. Young Bengal Movement was initiated by :  
(1) Raja Ram Mohan Roy  
(2) Keshav Chandra Sen  
(3) Brahm Chandra Vidyasagar  
(4) Henry Louis Vivian Derozio

36. Subhas Chandra Bose was elected President of Indian National Congress first time in the year :  
(1) 1907 (2) 1929  
(3) 1928 (4) 1940

37. Who composed the famous Sanskrit plays 'Nagarnada' and 'Tarnavati' ?  
(1) Kalidasa  
(2) Banabhatta  
(3) Harsha Vardhana  
(4) Bhaskabhatti

38. Who was the Viceroy when Simon Commission was appointed ?  
(1) Lord Reading  
(2) Lord Wellington  
(3) Lord Linlithgow  
(4) Lord Irwin

39. Who was the tenth Sikh Guru?  
(1) Guru Teg Bahadur  
(2) Guru Angad  
(3) Guru Arjan  
(4) Guru Gurbak Singh

40. Mishrikula was one of the prominent rulers belonging to \_\_\_\_\_. Fill in the blank among the options given :

(1) Kushans (2) Huns  
(3) Sakas (4) Patshans

41. Which freedom fighter undertook the epic fast of 63 days ?  
(1) Jatin Das  
(2) Satyendra Mohan Sengupta  
(3) Bhabanurath Sanyal  
(4) Madan Lal Dhillon

42. Who was the founder of Chola empire ?  
(1) Rajaraja  
(2) Rajendra  
(3) Narasimharman  
(4) Vijayalaya

43. Greatest ruler of Maurya dynasty was :  
(1) Bindusara  
(2) Chandragupta  
(3) Samprati  
(4) Ashoka

44. Gandhi's first 'Satyagraha' Movement took place in—  
(1) Champaran, Bihar  
(2) Khair, Gujarat  
(3) Madras, West Bengal  
(4) Nagpur, Maharashtra

45. Who were the leaders of Santhals in the uprising against the British Government in the year 1855-56 ?  
(1) Bira Murda  
(2) Chakra Bisoy  
(3) Baidya Bhagat  
(4) Sidhu and Kuru

46. The capital of Pandya was :  
(1) Vatapi  
(2) Madurai  
(3) Tanjavur  
(4) Dwaramurda

47. The newspaper 'Kesari' in Marathi was started by :  
(1) Gopal Krishna Gokhale  
(2) Atmaran Parshuram  
(3) Yashwantrao  
(4) Bal Gangadhar Tilak

48. The Third Battle of Panipat took place in the year :  
(1) 1767 (2) 1766  
(3) 1769 (4) 1761

48. Purna Swamy resolution was passed in the session of Indian National Congress held in -  
 (1) Karachi (2) Kolkata  
 (3) Chandigarh  
 (4) Lahore
49. 'Humayun Namah' was written by:  
 (1) Humayun  
 (2) Abul Fazal  
 (3) Gulshahar Begum  
 (4) Jehangir
50. The largest inland sea of the world is:  
 (1) Dead Sea (2) Black Sea  
 (3) Aral Sea (4) Caspian Sea
51. What is the highest peak of Africa?  
 (1) Mt. Matterhorn  
 (2) Mt. McKinley  
 (3) Mt. Everest  
 (4) Mt. Kilimanjaro
52. Hunting, fishing, mining, agriculture are examples of:  
 (1) Primary activities  
 (2) Secondary activities  
 (3) Tertiary activities  
 (4) None of these
53. Which river is also known by these names, Tsangpo and Dihang?  
 (1) Sindhu  
 (2) Brahmaputra  
 (3) Ganga  
 (4) Yamuna
54. The largest river island in Asia is:  
 (1) Andaman & Nicobar Islands  
 (2) Lakshadweep  
 (3) Majuli  
 (4) Bali
55. Hirakud Project is situated on the river:  
 (1) Mahanadi  
 (2) Kosi (3) Narmada  
 (4) Subarnarekha
56. Addis Ababa is the capital of  
 (1) Ghana (2) Zambia  
 (3) Ethiopia (4) Kenya
57. Which river is known as the 'Sorrow of Bihar'?  
 (1) Ganga (2) Mahanadi  
 (3) Godavari (4) Kosi
58. Sundarbans is an example of:  
 (1) Mangrove forest  
 (2) Deciduous forest  
 (3) Evergreen forest  
 (4) Scrub forest
59. The main river system of Australia is -  
 (1) Nile Basin  
 (2) Murray-Darling system  
 (3) Amazon system  
 (4) Volga system
60. Lime water turns milky due to the formation of:  
 (1) calcium carbonate  
 (2) barium carbonate  
 (3) magnesium carbonate  
 (4) potassium carbonate
61. A woman's voice is shriller than a man's because it has:  
 (1) higher frequency  
 (2) lower frequency  
 (3) higher amplitude  
 (4) lower amplitude
62. The axon fibre is insulated by:  
 (1) Myelin sheath  
 (2) Sarcolemma  
 (3) Protein  
 (4) Lipid
63. At temperatures near zero Kelvin, metals such as lead and tin become:  
 (1) insulators  
 (2) semiconductors  
 (3) superconductors  
 (4) perfect conductors
64. Marsh gas is:  
 (1) ethane (2) ethylene  
 (3) acetylene (4) methane
65. A periscope works by the principle of:  
 (1) diffusion  
 (2) reflection and interference  
 (3) reflection and refraction  
 (4) refraction only
66. Which of the following apparatus is used in the electrolysis of water?  
 (1) Ammeter  
 (2) Potentiometer  
 (3) Voltmeter  
 (4) Thermometer
67. A falling drop of rain water acquires the spherical shape due to:  
 (1) surface tension  
 (2) gravitational force  
 (3) atmospheric pressure  
 (4) viscosity
68. The thermoregulatory centre in the human brain is:  
 (1) pituitary  
 (2) spinal cord  
 (3) cerebellum  
 (4) hypothalamus
69. When the temperature of a metallic conductor increases, its resistance:  
 (1) increases  
 (2) decreases  
 (3) remains the same  
 (4) may or may not increase
70. The number of cranial nerves in a human being is:  
 (1) 8 pairs (2) 10 pairs  
 (3) 12 pairs (4) 23 pairs
71. The filament in an electric lamp has:  
 (1) high resistance and high melting point  
 (2) high resistance and low melting point  
 (3) low resistance and low melting point  
 (4) low resistance
72. A compound of Carbon which is used as an anaesthetic is:  
 (1) carbon di sulphide  
 (2) carbon tetrachloride  
 (3) phosgene  
 (4) chloroform
73. The part of the eye, behind the lens is filled with:  
 (1) aqueous humour  
 (2) vitreous humour  
 (3) lymph  
 (4) blood
74. Cooking is quicker in a pressure cooker because:  
 (1) increased pressure raises boiling point  
 (2) steam is not wasted  
 (3) steam cooks food faster  
 (4) water boils at lower temperature

76. Diamonds are weighed in-  
 (1) grams (2) pounds  
 (3) carats (4) tons
77. Which among the following is used for dry cleaning?  
 (1) Kerosene oil  
 (2) Diesel oil  
 (3) Lubricating oil  
 (4) Petroleum ether
78. Sound waves in air are:  
 (1) transverse  
 (2) longitudinal  
 (3) transverse and longitudinal  
 (4) neither transverse nor longitudinal
79. An alternating current can be changed into a direct current by means of a  
 (1) capacitor (2) transistor  
 (3) diode (4) triode
80. Soft water contains:  
 (1) sodium bicarbonate  
 (2) sodium carbonate  
 (3) carbonic acid  
 (4) sodium hydroxide
81. Who has been sworn in as Chief Minister of Madhya Pradesh for the third consecutive term in 2013?  
 (1) Heman Singh  
 (2) Shivraj Singh Chauhan  
 (3) Uma Bharti  
 (4) Babul Gaur
82. Dry ice is:  
 (1) solid carbon dioxide  
 (2) liquid oxygen  
 (3) liquid hydrogen  
 (4) liquid chlorine
83. Which article of the Constitution of India prohibits traffic in human beings and 'begar'?  
 (1) Article 21 (2) Article 23  
 (3) Article 24 (4) Article 25
84. Which country is known as the 'Cockpit of Europe'?  
 (1) New Zealand  
 (2) Turkey (3) Spain  
 (4) Belgium
85. In which year Amartya Sen won the Nobel Prize in Economics?  
 (1) 1999 (2) 2000  
 (3) 2001 (4) 1997
86. Which ocean is the largest among all the oceans in the world?  
 (1) Atlantic (2) Indian  
 (3) Pacific (4) Arctic
87. Who has won the Gandhi Peace Prize for the year 2012?  
 (1) Anna Hazare  
 (2) Charal Prasad Shastri  
 (3) Babu Amte  
 (4) None of these
88. Equal pay for equal work for both men and women is included in which part of Indian Constitution?  
 (1) Fundamental Rights  
 (2) Directive Principles  
 (3) Union List  
 (4) State List
89. Right to move the Supreme Court for enforcement of the Fundamental Rights is guaranteed by which article of the Constitution?  
 (1) Article 13 (2) Article 30  
 (3) Article 32 (4) Article 34
90. Quinine is extracted from the  
 (1) mulberry tree  
 (2) eucalyptus tree  
 (3) cinchona plant  
 (4) cocoa plant
91. Who has been appointed as Foreign Minister of India after constitution of 16th Lok Sabha?  
 (1) Rajnath Singh  
 (2) Arun Jaitley  
 (3) Sushma Swaraj  
 (4) Maneka Gandhi
92. First Asian Games was held in:  
 (1) Bangkok (2) Tokyo  
 (3) Dhaka (4) New Delhi
93. Monetary unit of Iran is:  
 (1) Rial (2) Dinar  
 (3) Peso (4) Lira
94. Who has taken over as the first woman Chairperson of State Bank of India in 2012?  
 (1) Arundhati Bhattacharya  
 (2) Chanda Kocher  
 (3) Kiran Manmohan Shro  
 (4) Indra Nooyi
95. What is the capital of Norway?  
 (1) Madrid (2) Oslo  
 (3) Paris (4) Vienna
96. Who is the constitutional head of the State executive?  
 (1) Chief Minister  
 (2) Governor  
 (3) Advocate General  
 (4) Speaker of Vidhan Sabha
97. To be elected to the post of Vice-President of India, what should be the minimum age of a person?  
 (1) Twenty Five (2) Thirty  
 (3) Thirty Five (4) Forty
98. Angular distance between two objects is measured by:  
 (1) spectroscope  
 (2) spectrometer  
 (3) spherometer  
 (4) sextant
99. What is the smallest planet in the solar system?  
 (1) Mars (2) Venus  
 (3) Mercury (4) Earth
100. A country through which both Equator and Tropic of Capricorn pass is:  
 (1) Brazil (2) Argentina  
 (3) Congo (4) Indonesia