

1. Which is the least number which when doubled will be exactly divisible by 12, 18, 24 and 30 ?

- (1) 2620 (2) 1260
(3) 630 (4) 196

2. If 8 men can reap 80 hectares in 24 days, how many hectares can 36 men reap in 30 days ?

- (1) 500 (2) 550
(3) 450 (4) 600

3. The average of 20 numbers is 12. The average of the first 12 numbers is 11 and that of the next 7 numbers is 10. The last number is

- (1) 40 (2) 38
(3) 48 (4) 50

4. A man can row 15 kmph downstream and 9 kmph upstream. The speed of the boat in still water is

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

5. If 2 is added to both numerator and denominator of a fraction,

the fraction becomes $\frac{3}{4}$.

Again, if 3 is subtracted from both numerator and denominator, the fraction becomes

$\frac{2}{3}$. Determine the fraction.

- (1) $\frac{6}{7}$ (2) $\frac{2}{3}$

- (3) $\frac{3}{5}$ (4) $\frac{13}{18}$

6. The present ages of A and B are in the ratio 4 : 5 and after 5 years, they will be in the ratio 5 : 6. The present age of A is

- (1) 10 years (2) 20 years
(3) 25 years (4) 40 years

7. The total population of a village is 1,428 and the ratio of women to men is 25 : 24. Find the number of women in that village :

- (1) 728 (2) 690
(3) 828 (4) 700

8. Which of the following is the largest number ?

- (1) 20% of 200 (2) 7% of 500
(3) 1300% of 3 (4) 600% of 7

9. If $a : b : c = 3 : 4 : 7$, then the ratio $(a + b + c) : c$ is equal to

- (1) 2 : 1 (2) 14 : 3
(3) 7 : 2 (4) 1 : 2

10. Marked price of an article is Rs. 150. If selling price be Rs. 135, then discount on marked price is

- (1) $7\frac{1}{2}\%$ (2) 10%
(3) 12% (4) 15%

11. If $\frac{2}{3}$ of A = 75% of B = 0.6 of C, then A : B : C is

- (1) 2 : 3 : 3 (2) 3 : 4 : 5
(3) 4 : 5 : 6 (4) 9 : 8 : 10

12. In a business, P invests Rs. 600 for 4 months and Q invests Rs. 800 for 2 months. Ratio of the share of profit of P and Q is

- (1) 3 : 4 (2) 2 : 1
(3) 3 : 2 (4) 2 : 3

13. What is the time taken by P to cover a distance of 360 km by a motorcycle moving at a speed of 10 metres/second ?

- (1) 10 hours (2) 5 hours
(3) 8 hours (4) 6 hours

14. If the cost price of 30 articles is equal to the selling price of 20 articles, find the profit percent

- (1) 33.33% (2) 40%
(3) 50% (4) 60%

15. List price of an article at a show-room is Rs. 2000 and it is being sold at a successive discount of 20% and 10%. Its net selling price will be

- (1) Rs. 1500 (2) Rs. 1700
(3) Rs. 1440 (4) Rs. 1400

16. The rate percent of simple interest, for which a sum of money will be double of itself in 10 years, is

- (1) 1% (2) 5%
(3) 10% (4) 20%

17. A, B and C can do a work in 6, 8 and 12 days respectively. B and C work together for 3 days, then A takes C's place. How long will it take to finish the work when A takes C's place ?

- (1) 2 days (2) 6 days
(3) 8 days (4) 10 days

18. In a mixture of 20 litres of Dettol and water, the ratio of Dettol and water is 2 : 3. If 2 litres more Dettol is added to that mixture, what will be the ratio of Dettol and water in the new mixture ?

- (1) 4 : 5 (2) 2 : 5
(3) 8 : 4 (4) 8 : 4

19. In what time will a train 100 metres long cross an electric pole, if its speed be 144 kmph ?

- (1) 2.5 seconds
(2) 3 seconds
(3) 5 seconds
(4) 12.5 seconds

20. There was provision of food for 7 days for 375 villagers confined to a village due to flood. After one (1) day, 150 women and children were removed to a safe place. For how many days will the re-

maining persons be provided with the remaining food ?

- (1) 13 days (2) 15 days
(3) 10 days (4) 8 days

21. Four children are sitting in a row. B is sitting next to G but not next to R. If R is not sitting next to F, who is/are occupying seats adjacent to F ?
(1) G only (2) B only
(3) B and G (4) None

22. Jagdish defeats Satish in chess but loses to Ashish. Jaya usually wins against Satish, sometimes against Jagdish but never against Ashish. Who is the weakest player ?
(1) Ashish (2) Jaya
(3) Satish (4) Jagdish

23. In a certain code, BSESTER is written as KHHSDIQ. How is UNCLE written in that code ?
(1) TMBKD (2) TBMKD
(3) TYBOD (4) TMBOD

24. Suresh is 7 ranks ahead of Ashok in the class of 39 students. If Ashok's rank is 17th from the last, what is Suresh's rank from the start ?
(1) 16th (2) 23rd
(3) 24th (4) 15th

25. Peter walked 8 kms towards West and turned right and walked 3 kms. Then again he turned right and walked 12 kms. How far is he from the starting point ?
(1) 7 kms (2) 6 kms
(3) 4 kms (4) 5 kms

26. X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is the relationship of T to R ?
(1) Mother (2) Wife
(3) Sister (4) Brother

Directions (27-30) : In each of the following questions, find the missing number/letter/word in the series from the given alternatives.

27. 36, 28, 24, 22, ?

- (1) 18 (2) 19
(3) 21 (4) 22
28. 7, 9, 13, 21, 37, ?
(1) 58 (2) 63
(3) 69 (4) 72

29. WAB, XCD, YEF, ?

- (1) CMN (2) ZGH
(3) BKL (4) ALJ

30. 12, 8, 14, 6, 16, ?

- (1) 4 (2) 18
(3) 32 (4) 5

31. During the British rule in India, partition of Bengal took place in the year.

- (1) 1903 (2) 1904
(3) 1905 (4) 1906

32. Which movement was launched along with the Khilafat Movement ?

- (1) Swadeshi Movement
(2) Home Rule Movement
(3) Civil Disobedience Movement
(4) Non-Cooperation Movement

33. The Bardoli Satyagraha was led by

- (1) Jayendra Prasad
(2) Mahatma Gandhi
(3) Vallabhbhai Patel
(4) Morarji Deesai

34. Vasco-dai-Gama established friendly relationship with Zamorin who was the ruler of

- (1) Calicut (2) Goa
(3) Travancore
(4) Cochin

35. Who among the following is the proponent of Hindu philosophical thought, 'Yoga' ?

- (1) Kapila (2) Patanjali
(3) Kanada (4) Charvaka

36. To which personality Gandhiji gave the title "Deen Bandhu" ?

- (1) Aurebindo Ghosh
(2) C.F. Andrews
(3) Vinoba Bhave
(4) C.R. Das

37. The capital of Pallava dynasty was

- (1) Madurai (2) Kanchi
(3) Vatapi (4) Chera

38. Congress Socialist Party was formed by

- (1) Narendra Dev and Jayprakash Narayan
(2) Subhash Chandra Bose
(3) Jawaharlal Nehru
(4) M.N. Roy

39. 'Give me blood and I will give you freedom' was the famous uttering of

- (1) Bhagat Singh
(2) Chandra Sekhar Azad
(3) V.D. Savarkar
(4) Subhash Chandra Bose

40. Who among the following was known as 'National Mitra' ?

- (1) Amritalal Mitra
(2) Rajagopal Mitra
(3) Pramathesh Mitra
(4) Nabagopal Mitra

41. The secret society of revolutionaries which was organized by V.D. Savarkar in 1904 was

- (1) Sandhya (2) Yugantar
(3) Abhinav Bharat
(4) Ghadar

42. Who among the following rulers was called 'Kaviraja' ?

- (1) Kumaragupta I
(2) Chandragupta I
(3) Skandagupta
(4) Samudragupta

43. Who among the following rulers of Delhi Sultanate initiated the statepromoted canal irrigation system ?

- (1) Alauddin Khilji
(2) Iltutmish
(3) Muhammad-bin Tughlaq
(4) Firaj- Tughlaq

44. Who was the Viceroy of India when Ancient Monuments Preservation Act of 1904 was passed ?

- (1) Lord Ripon
(2) Lord Canning
(3) Lord Curzon
(4) Lord Mayo

43. Fatehpur Sikri was created during the reign of
(1) Babur (2) Humayun
(3) Akbar (4) Shah Jahan
44. In which language did the Mughal emperor Babur write his autobiography?
(1) Persian (2) Turkish
(3) Pushtu (4) Arabic
47. Which of the following National leaders suffered fatal injuries during Protest demonstration against Simon Commission?
(1) Dadabhai Naoroji
(2) Gopal Krishna Gokhale
(3) Bal Gangadhar Tilak
(4) Lala Lajpat Rai
48. Who was the founder of the city of Agra?
(1) Feroze Tughlaq
(2) Alauddin Khilji
(3) Sikander Lodi
(4) Iltutmish
49. Who was the author of Sanskrit literary piece 'Kusum-harsa' ?
(1) Banabhatta
(2) Bhababhuti
(3) Visakhhatta
(4) Kalidasa
50. Who wrote 'Kathasaritsagara' ?
(1) Kalhana (2) Jayadeva
(3) Somadeva
(4) Bilhana
51. In which Indian state is the Sariska Tiger Reserve situated?
(1) Gujarat (2) West Bengal
(3) Assam (4) Rajasthan
52. In which country is the Yellowstone National Park situated?
(1) U.S.A. (2) Canada
(3) Mexico (4) Argentina
53. In which country is the grasslands 'Velds' found?
(1) Argentina
(2) Russia
(3) Canada (4) South Africa
54. Which of the following is the world's lowest lake?
(1) Caspian Sea
(2) Dead Sea
(3) Lake Titicaca
(4) Lake Superior
55. Which of the following is an example of Intermont Plateau?
(1) Deccan Plateau
(2) Columbia-Snake Plateau
(3) Tibetan Plateau
(4) Brazilian Plateau
56. Which of the following crop is often called the 'golden fibre' ?
(1) Cotton (2) Jute
(3) Tea (4) Sugarcane
57. On which river is the Bhakra Nangal multipurpose project situated?
(1) Ravi (2) Beas
(3) Sutlej (4) Chambal
58. The river Narmada originates from the _____ of Malikal ranges of the central highlands.
Fill in the blank with the options given
(1) Mahabaleswar
(2) Brahmagiri
(3) Amarkantak
(4) Nasik
59. Which of the following is not one of the Chemical Weathering Process for breaking up the rocks?
(1) Solution (2) Oxidation
(3) Decomposition by organic acids
(4) Exfoliation
60. The capacity of rocks to allow water to pass through it is called
(1) hardness (2) jointing
(3) porosity (4) permeability
61. The function of a fuse wire is to
(1) stabilise the voltage
(2) decrease the current supply
(3) increase the current supply
(4) prevent an unduly high current from passing through the circuit
62. The colour of the cow's milk is slightly yellowish due to the presence of
(1) xanthophyll (2) riboflavin
(3) ribulose (4) carotin
63. When light passes from air to glass, its velocity in glass
(1) increases
(2) decreases
(3) remains unchanged
(4) may or may not change
64. In a microphone
(1) sound energy is converted into electrical energy
(2) electrical energy is converted to sound energy
(3) sound energy is converted into mechanical energy
(4) mechanical energy is converted into sound energy
65. For a given frequency, the loudness is related to
(1) amplitude (2) speed
(3) wavelength
(4) None of the above
66. Alloys in which mercury is one of the metals are called
(1) Amalgams
(2) Emulsions
(3) Mixtures
(4) Solders
67. The mammal that lays eggs is
(1) kangaroo
(2) duck-billed platypus
(3) opossum (4) otium
68. Which among the following is the unit of frequency?
(1) Ampere (2) Newton
(3) Hertz (4) Watt
69. The main chemical substance present in the bones and tooth of the animals is

- (1) sodium chloride
(2) sugar
(3) calcium phosphate
(4) calcium sulphate
- 70. Photo-electric cells convert**
(1) electrical energy into light energy
(2) light energy into electrical energy
(3) light energy into heat energy
(4) electrical energy into heat energy
- 71. The velocity of sound in air is**
(1) directly proportional to its pressure
(2) inversely proportional to the square root of its pressure
(3) directly proportional to the square root of its pressure
(4) independent of its pressure
- 72. Increase in size of plants is due to the activity of**
(1) meristematic tissues
(2) conductive tissues
(3) mechanical tissues
(4) supporting tissues
- 73. Carbogen is a mixture of**
(1) CO and CO₂
(2) CO₂ and O₂
(3) CO and O₂
(4) CH₄ and O₂
- 74. Blood is a kind of**
(1) epithelial tissue
(2) connective tissue
(3) nervous tissue
(4) cartilage
- 75. Which of the following is a chemical change ?**
(1) evaporation
(2) precipitation
(3) dissolution
(4) oxidation
- 76. Which of the following substances consists of only one element ?**
(1) diamond (2) glass
(3) marble (4) sand
- 77. Ascorbic Acid is the chemical name for**
(1) Vitamin A
(2) Vitamin D
(3) Vitamin K
(4) Vitamin C
- 78. Out of the following, which is the nonmagnetic substance ?**
(1) iron (2) nickel
(3) cobalt (4) copper
- 79. Which of the following is not electromagnetic waves ?**
(1) Heat Waves
(2) Sound Waves
(3) Radio Waves
(4) Light Waves
- 80. The enzyme which is necessary to bring about clotting of blood is**
(1) peptidase (2) amylase
(3) lipase
(4) thrombokinase
- 81. Who has taken over as the Army Chief of India in 2014 succeeding General Bikram Singh ?**
(1) Arup Raha
(2) V.K. Singh
(3) Dalbir Singh Suhag
(4) V.P. Malik
- 82. As per Census of 2011, which state has the highest sex ratio (number of females per 1000 males) ?**
(1) Tamil Nadu
(2) Karnataka
(3) Kerala (4) Gujarat
- 83. If a new state of the Indian Union is to be created, which one of the following schedules of the Constitution must be amended ?**
(1) First (2) Second
(3) Third (4) Fourth
- 84. Which country is known as the 'Land of the Rising Sun' ?**
(1) Germany
(2) Cambodia
(3) Japan
(4) Thailand
- 85. Who discovered electron, one of the constituent of atom ?**
(1) J.J. Thompson
(2) James Chadwick
(3) Max Planck
(4) D. Rutherford
- 86. The dance drama, 'Yakshagana' belongs to which Indian state ?**
(1) Kerala (2) Odisha
(3) Tamil Nadu
(4) Karnataka
- 87. Who is the author of 'The Autobiography of an Unknown Indian' ?**
(1) Amitabha Ghosh
(2) R.K. Narayan
(3) V.S. Naipaul
(4) Nirad C. Chaudhry
- 88. Which one of the following commissions was set up in pursuance of a definite provision under an Article of the Constitution of India ?**
(1) University Grants Commission
(2) National Human Rights Commission
(3) Election Commission
(4) Central Vigilance Commission
- 89. The branch of science that studies cells is known as**
(1) Cytology (2) Ecology
(3) Psychology
(4) Entomology
- 90. On the bank of which river is the New York city situated ?**
(1) Hudson (2) Danube
(3) Thames (4) Rhine
- 91. Netaji Subhash National Institute of Sports is situated in which city of India ?**
(1) Patna (2) Kolkata
(3) Kohima (4) Patiala
- 92. Tinto Luka, who has been awarded Arjuna Award in 2014, belong to which Sport ?**
(1) Athletics (2) Golf
(3) Squash (4) Badminton
- 93. The system of proportional representation is used in the election of**

- (1) The President
 (2) Speaker of the Lok Sabha
 (3) Members of Lok Sabha
 (4) Members of State Legislative Assembly
94. Which Constitutional body is entrusted to inquire into and decide all doubts and disputes relating to the election of President of India ?
 (1) Election Commission
 (2) Parliament
 (3) Supreme Court
 (4) Speaker of the Lok Sabha
95. The first Indian to be awarded the Oscar for Lifetime Achievements in Cinema in 1992 was
 (1) Dilip Kumar
 (2) Bharu Acharya
 (3) Satyajit Ray
 (4) Amitabh Bachchan
96. Who has been sworn in as the Chief Minister of Sikkim for the record fifth time in 2014 ?
 (1) Nabam Tuki
 (2) P.A. Sangma
 (3) Narbhadur Bhandari
 (4) Pawan Chamling
97. What is the capital of Hungary ?
 (1) Prague (2) Budapest
 (3) Paris (4) Berlin
98. The first General Election in India took place in the year
 (1) 1960 (2) 1951
 (3) 1952 (4) 1953
99. Which Article of Indian Constitution deals with the appointment of the Prime Minister of India ?
 (1) Article 72
 (2) Article 73
 (3) Article 74
 (4) Article 75
100. The first foreign national to receive 'Bharat Ratna' award was
 (1) Nelson Mandela
 (2) Angela Merkel
 (3) Khan Abdul Ghaffar Khan
 (4) Sheikh Mujibur Rahman