

that pattern and then pick up the missing number from the answer

**1. Simplify**  $\frac{2\sqrt{3}-\sqrt{12}+\sqrt{48}}{3\sqrt{3}}$

- (a) 1/3
- (b) 2/3
- (c) 1/2
- (d) 2/5

- (a) (20, 10)
- (b) (15, 10)
- (c) (15, 20)
- (d) (14, 10)

3. Simplify  $\frac{1}{2} - \frac{1}{3} + \frac{1}{4} =$

- (a)  $\frac{1}{12}$       (b)  $\frac{5}{12}$
- (c)  $\frac{1}{4}$       (d)  $\frac{1}{6}$

4. The sum of ages of Rita and Renu is 35. Age of Renu is 3 times the age of Rita. Age of Renu is

- (a) 8
- (b) 24
- (c) 4
- (d) 28

5. Find the odd one in the group

21, 25, 47, 51, 55

- (a) 21 (b) 51 (c) 47 (d) 55

6. The perimeter of a square is 48 cm. Find the area.

- (a) 144 cm<sup>2</sup>
- (b) 400 cm<sup>2</sup>
- (c) 100 cm<sup>2</sup>
- (d) 288 cm<sup>2</sup>

7. The LCM of two numbers is 300 and their HCF is 15. If one of the number is 150, find the other.

- (a) 150
- (b) 120
- (c) 200
- (d) 225

8. A man do a piece of work in 8 days, and it can do in 4 days. How long will they take if both work together

- (a)  $\frac{1}{2}$
- (b)  $\frac{1}{3}$
- (c) 1

9. 10% of a number is 120. Which is the number?

- (a) 100
- (b) 120
- (c) 1000
- (d) 1200

10. Simplify  $8.25 + 4.00 + 9.000$

- (a) 8.250
- (b) 8.2500
- (c) 8.25000
- (d) 8.250000

11. In a secret way of writing CODE AT HOME IMPROVE THAT ALL is written as 12345 26 12345 12345 6789 1011 1234. Bearing this in mind pick up the code from the answer choices for the word given below :

- THE END WELL
- (a) 123456789
  - (b) 1234567890
  - (c) 12345678901
  - (d) 123456789012

12. A person was going towards north, then turn left then left again, then right. After that he turned about, in which direction is he now?

- (a) North
- (b) South
- (c) East
- (d) West

13. In the following question the mathematical symbols follow according to a pattern. Discover

choices:

- (a) 14, 17, 7
- (b) 7
- (c) 14
- (d) 17
- (e) 21

14. Which 11<sup>th</sup> day of a month having 31 days is a Thursday, which of the following days will occur the same in that month?

- (a) Monday
- (b) Saturday
- (c) Sunday
- (d) Thursday

15. In the question below three words are given. They are followed by four words one of which stands for the class to which these three words belong. Identify that word : Barbarous, Cruel, Hard

- (a) unyielding
- (b) gentlemanly
- (c) mild
- (d) cultured

16. Read the statements carefully and answer the question which follow:

A cube has six sides each of a different colour. The red side is opposite black. The green side is between red and black. The blue side is adjacent to white. The brown side is adjacent to blue. The red side is face down. The side opposite brown is :

- (a) Red
- (b) Black
- (c) White
- (d) Green

17. In the following question there is a question mark in the blank space and it is only one of the five alternatives given under the question which satisfies the same relationship as is found between the two words in the left of the sign :: given in the question. Find the correct alternative to the question :

ABDUCT : THREAT :: AMUSE : ?

- (a) BRANK
- (b) BRANK
- (c) BRINK
- (d) BRACK

18. In the following groups one does not belong to that group. Find the odd man : Charon, Bus, Nagan, Car, Bridge

- (a) Nagan
- (b) Charon
- (c) Bridge
- (d) Car

19. Arrange the following words in the alphabetic order.

- (a) approximation    (b) appropriate
- (c) last                (d) appearance    (e) apprehension

- (a) 1,2,3,4
- (b) 4,3,2,1
- (c) 4, 2, 1, 3
- (d) 4, 1, 3, 2

20. Find out the best explanation for the following statement from the answer choices : Grapes are cheaper than apples. I do not have money to buy two kilograms of grapes. Therefore:

- (a) I cannot buy two kilograms of grapes
- (b) I can buy one kilogram of grapes
- (c) I cannot buy one kilogram of grapes and one kilogram of apples
- (d) I can buy two kilograms of apples

21. Which is the relay centre in our brain?

- (a) Pons
- (b) Medulla
- (c) Spinal cord

10. Messages
11. Methane gas is formed by the reaction
12. Alexander Volta
13. Alexander Fleming
14. John Dalton
15. Thomas Alva Edison
16. Which of the following units is usually used to denote the intensity of pollution?
17. Milligram
18. Nanogram
19. Tons per million
20. Kilogram
21. Nitrogen fixing bacteria live in the root tubercles of leguminas is called?
22. Rhizobium
23. Mycorrhiza
24. E coli
25. Nephrotomus
26. Which of the following chemical is used in fire extinguishers?
27. Sodium bicarbonate
28. Sodium chloride
29. Potassium bicarbonate
30. Sodium chloride
31. What phenomenon of light is behind the rainbow?
32. Diffraction
33. Scattering
34. Reflection
35. Refraction
36. Which is the hardest material
37. you know in the universe?
38. Platinum
39. Graphite
40. Diamond
41. Nickel
42. Which instrument regulates the resistance or current in a circuit?
43. Rheo coil
44. Rheostat
45. Generator
46. Sonometer
47. The scientist who formulated the 'Germ theory of disease' is :
48. Louis Pasteur
49. Lazzaro
50. Hugo Wever
51. Sirger Mendel
52. In which atmospheric level ozone gas is seen?
53. Mesosphere
54. Stratosphere
55. Troposphere
56. Ionosphere
57. Who is the present Governor of Kerala?
58. P. Radhakrishnan
59. K.L. Bhatnagar
60. N.K. Jaisankar
61. N.K. Madhavan
62. Which work of Subhash Chandra was awarded Padma Bhushan Award 2017
63. Charithrangal Malayalam
64. Samanya
65. Bandyopadhyay
66. Parashram Prashant
67. Manoj Kumar Das
68. On which day 'Mahatma' was launched from Biharbhabra?
69. 1 November 2012
70. 5 November 2013
71. 26 January 2014
72. 14 September 2014
73. Who is the Chief Election Commissioner of India?
74. E.S. Laxma
75. V.S. Ramdath
76. K.T. Jaganath
77. Nandini Chawla
78. Headquarters of IITs is at
79. Kharagpur
80. Kharagpur
81. Thiruvir
82. Kharagpur
83. The final match of FIFA World Cup-2014 was between
84. Germany and Argentina
85. Argentina and Brazil
86. Germany and Netherlands
87. Germany and Brazil
88. What is the full form of 'NITI' in 'NITI Aayog'?
89. National Integration and Transforming India
90. National Institution for Transforming India
91. National Institution for Transporting India
92. National Institute for Technology of India
93. Who was the Nobel Prize for Literature in 2017
94. Alice Munro
95. Herta and Paul Amirian
96. Patrick Modiano
97. Mo Yan
98. Who is the new President of Sri Lanka?
99. Mahinda Rajapaksa
100. Chandrika Kumaratunga
101. Maithripala Sirisena
102. Maheepala Sirisena
103. In which year 'Bharat Ratna' the highest civilian award in India was instituted?
104. 1950
105. 1954
106. 1956
107. 1964
108. Who among the following English men described the 1857 Revolt was a National Rising?
109. E.S. Laxman
110. James Mill
111. Benjamin Franklin
112. Sir James Fergusson
113. Who was the Chief Organizer of the 'Bharat Movement'?
114. Lala Hardayal
115. Mahatma Gandhi
116. Lala Lajpat Rai
117. Lal Chandra Prasad

- The book 'Changam' by Subramanya was started by Bandopadhyay in the year
- (A) 1910  
(B) 1911  
(C) 1912  
(D) 1913
40. Which education reform was considered as the 'Magna Carta' of English Education in India?
- (A) Charter Act of 1813  
(B) Hunter Commission  
(C) Wood's Dispatch  
(D) Indian University Act
41. Who was considered as the father of Indian Local Self Government?
- (A) Lord Mayo  
(B) Lord Curzon  
(C) Lord Lytton  
(D) Lord Ripon
42. In which year Kazi Bihari Das organised the Indian Independence League at Bangkok?
- (A) 1905  
(B) 1909  
(C) 1911  
(D) 1914
43. Which is the oldest mountain range in India?
- (A) Aravalli  
(B) Western Ghats  
(C) Eastern Ghats  
(D) Himalayas
44. Which river was considered as sacred in the Vedic Age?
- (A) Godavari  
(B) Gomti  
(C) Saraswati  
(D) Brahmaputra
45. Who wrote the famous book 'Poverty and Un-British Rule in India'?
- (A) R.P. Dutt  
(B) Dadabhai Naoroji  
(C) M.C. Bose  
(D) Chakrabarti Chakravarti
46. What was the original name of Nepal (Dharmaduta, Sanskrit)?
- (A) Koshi Chandra Sen  
(B) Harisidhanta Thapa  
(C) Mahendra  
(D) Bhanu Sen
47. What was the original name of Rajasthan?
- (A) Rasthastan  
(B) Rasthastan  
(C) Rasthast  
(D) Rasthan
48. Who started Prathyaksha, Sabha, Uchha, Sabha, a Self Education movement in Kerala?
- (A) Pappalal Vaidyanathan  
(B) Pappalal Kappan  
(C) Thevaralappan  
(D) Madhavan Nair
49. The famous work 'Mahatmya' was written by
- (A) Dr. Pappalal  
(B) Kappan  
(C) N. Mahalingam  
(D) Mahalingam
50. Where was the famous newspaper 'Vardhaman' started by Mahatma Gandhi?
- (A) Bombay  
(B) Cochin  
(C) Madras  
(D) Amritsar
51. The famous Society was started in the year
- (A) 1901  
(B) 1904  
(C) 1911  
(D) 1913
52. Who founded 'Artha Rahit' at Amritsar in 1917?
- (A) Chhatrapati Shivaji  
(B) Raja Ranjit Singh
- (A) Thevaralappan  
(B) Mahalingam  
(C) Thevaralappan  
(D) Mahalingam
53. The famous 'Thevaralappan' was started in the year
- (A) 1901  
(B) 1904  
(C) 1911  
(D) 1913
54. Who was the leader of the first agricultural labourers strike in Kerala demanding the social and economic issues?
- (A) A.C. Joseph  
(B) P. Krishna Pillai  
(C) M.M. Mambalathil  
(D) Mambalathil
55. The concept of Directive Principles was borrowed from
- (A) Irish Republic  
(B) Switzerland  
(C) Constitution of USA  
(D) Constitution of UK
56. 'Self' - Self-immolation of widows - was prohibited by law in Bengal in 1829 by the British government
- (A) Sir John Shore  
(B) Warren Hastings  
(C) Wellesley  
(D) William Bentinck
57. What is the time limit within which an information is to be provided regarding the life and property of a person under the RTI Act 2005?
- (A) 30 days  
(B) 30 hours  
(C) 30 days  
(D) 30 hours
58. The RTI (Prevention of Leaking) Act 2005 entered into effect from
- (A) 20th January 2005  
(B) 22nd February 2005  
(C) 20th November 2005  
(D) 20th July 2005
59. Who wrote the book 'A History of the Rights of Woman'?
- (A) Krieger  
(B) Mary Wollstonecraft  
(C) Channing  
(D) Cooper
60. The Lokpal and Lokpalachaikya Act was first passed in
- (A) Maharashtra  
(B) West Bengal  
(C) Karnataka  
(D) Tamil Nadu
61. Right to property was removed from the list of Fundamental Rights by the
- (A) 42nd Amendment  
(B) 44th Amendment  
(C) 43rd Amendment  
(D) 41st Amendment
62. The chairman and members of the State Public Service Commission are appointed by
- (A) The President  
(B) The Chief Justice of the High Court  
(C) The Chief Minister of the State  
(D) The Governor
63. Who act as the head, planner, pilot and guide of the Public Service Commission?

- 14) The Prime Minister  
 15) Comptroller and Auditor General  
 16) The Speaker of the Lok Sabha  
 17) Attorney General
20. An order of court to prohibit a person suffering delinquency is called:
- (A) Mandamus  
 (B) Contempt  
 (C) Habeas Corpus  
 (D) Quo-warranto
21. Fill in the suitable comparative form of the adjective. "Have you heard the \_\_\_\_\_ news?"
- (A) late  
 (B) later  
 (C) latest  
 (D) latest
22. Fill in the suitable preposition. "My teacher told me \_\_\_\_\_ about it." \_\_\_\_\_ with him."
- (A) of, on  
 (B) to, over  
 (C) that, at  
 (D) so, upon
23. Change the sentence into passive voice. "Manners reveal true character."
- (A) True character is revealed by manners.  
 (B) Good manners reveal good character.  
 (C) True manner reveal character.  
 (D) It is manners that reveal character.
24. Replace the underlined phrase with one word. "I did not expect such childish talk from a grown-up man."
- (A) impertinent  
 (B) peevish  
 (C) vitriolic  
 (D) hammy
25. Fill in the blank with a suitable idiom. "The policeman came to my house and accused me of stealing a necklace but I told him that they were \_\_\_\_\_"
- (A) looking a gift horse in the mouth  
 (B) blowing hot and cold  
 (C) one for the road  
 (D) backing up the wrong tree
26. Fill in the blank space with a suitable word. "The Global Positioning System (GPS) helps us to \_\_\_\_\_"
- (A) navigate  
 (B) overtake  
 (C) overtake  
 (D) overtake
27. Fill in the blank with suitable articles. "Can I have \_\_\_\_\_ chocolate and \_\_\_\_\_ apple with my tea?"
- (A) a, an  
 (B) a, a  
 (C) an, an  
 (D) an, a
28. Convert the following sentence. "The women are good nurses."
- (A) No nurse is good nurse.  
 (B) No women are good nurses.  
 (C) No nurses is good nurses.  
 (D) No nurse are good nurse.
29. The masculine gender of "Duck" is:
- (A) Duckling  
 (B) Goose  
 (C) Swan  
 (D) Drake
30. Pick out the adjective from the following sentence. "Shea roses here every day."
- (A) roses  
 (B) here  
 (C) every  
 (D) day
31. Sampurnanandam Award Scheme was dedicated to the nation for prime minister:
- (A) Mrs. Indira Gandhi  
 (B) Mrs. Rajesh Gandhi  
 (C) Dr. Manmohan Singh  
 (D) Mrs. J.P. Singh
32. What is the full form of NCTT?
- (A) National Council of Technical Teachers  
 (B) National Council of Technical Teachers  
 (C) National Council of Technical Teachers  
 (D) National Council of Technical Teachers
33. The target group under ICT scheme is:
- (A) Children of SC and ST  
 (B) Children of below poverty line  
 (C) Children in the age group 6-12 years  
 (D) Children of SC-boys
34. India's first TQM is related to the construction of:
- (A) Road Infrastructure  
 (B) Urban Infrastructure  
 (C) Road Housing  
 (D) Urban Housing
35. Jawahar Nrega Scheme was launched by:
- (A) Mrs. Indira Gandhi  
 (B) Mrs. Rajesh Gandhi  
 (C) Mrs. Sarabjoti Kaur  
 (D) Dr. Manmohan Singh
36. The first phase Anna Scheme was launched on:
- (A) December 20th, 2009  
 (B) October 2nd, 2009  
 (C) August 1st, 2009  
 (D) January 20th, 2009
37. Which of the following is a non-governmental organization?
- (A) NCTT  
 (B) NCTE  
 (C) NCTE  
 (D) NCTE
38. Mahatma Ambedkar Award Scheme was introduced with a view to:
- (A) Urban poor workers  
 (B) Rural workers  
 (C) Forest dwellers  
 (D) None of the above
39. PDS is primarily to assist the:
- (A) Rural India  
 (B) Employed Youth  
 (C) Urban Youth  
 (D) Educated Unemployed Youth
40. Mass media, entrepreneurship and empowerment are the important components of:
- (A) NCTT  
 (B) NCTE  
 (C) NCTE  
 (D) NCTE
41. What is the process of loading the operating system files in the main memory area known as:
- (A) Formatting  
 (B) Automatic data exchange  
 (C) Data sharing  
 (D) Booting
42. Which technology is used in the structure of a computer to store data in a single physical file but virtual processes in the operating system?
- (A) Server clustering technology  
 (B) Main frame technology  
 (C) Simulation technology  
 (D) Multi channeling technology
43. Which virus is treated as the first computer virus?
- (A) Trojan horse  
 (B) ICA virus  
 (C) Creeper virus  
 (D) Baboon
44. Which was the first search engine in the Internet?

- (a) Google
- (b) Oracle
- (c) Microsoft
- (d) IBM

85. When is World Computer Library Day celebrated?

- (a) January 12th
- (b) March 16th
- (c) May 19th
- (d) December 12th

86. Which one is the first fully supported 64-bit operating system?

- (a) Windows Vista
- (b) Windows 7
- (c) Linux
- (d) Mac

87. What type of a software is an operating system?

- (a) Application software
- (b) System Software
- (c) Embedded Software
- (d) Protocol Computer Software

88. What is the full form of the first

Electronic Computer (ENIAC)?

- (a) Electrical Numerical Integrator and Calculator
- (b) Electronic Numerical Integrator and Calculator
- (c) Electrical Numerical Integrated Computer
- (d) Electric Numerical Integrity Computer

89. The unauthorized reproduction in the computer crime is considered as :

- (a) Software Sabotage
- (b) Software piracy
- (c) Misappropriation
- (d) Eavesdropping and spying

90. In IT Act 2008, which section deals with the punishment of cyber terrorism?

- (a) 66 (1)
- (b) 67 (1)
- (c) 66 (2)
- (d) 66 (3)