

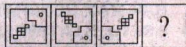
1. Solids which conduct electricity at higher temperature but not at lower temperature are called
  - (1) super-conductor
  - (2) metallic-conductor
  - (3) semi-conductor
  - (4) insulator
2. Which one of the following has greatest mass ?
  - (1) electron
  - (2) proton
  - (3) neutron
  - (4) hydrogen nucleus
3. A television channel is characterised by
  - (1) frequency of transmitted signal
  - (2) velocity of transmitted signal
  - (3) physical dimension of television screen
  - (4) size of picture tube
4. The first computer mouse was built by
  - (1) Douglas Engelbart
  - (2) William English
  - (3) Oaniel Coogher
  - (4) Robert Zawacki
5. An organization's profitability depends on
  - (1) Quality of data processed
  - (2) Quantity of data processed
  - (3) Speed of processing the data
  - (4) Both (1) and (3)
6. The density of water is 1 g/cc. This is strictly valid at
  - (1) 0°C
  - (2) 4°C
  - (3) 25°C
  - (4) 100°C
7. The process of photosynthesis involves conversion of
  - (1) chemical energy into radiant energy
  - (2) chemical energy into mechanical energy
  - (3) solar energy into chemical energy
  - (4) mechanical energy into solar energy
8. A colloidal system in which a liquid is dispersed in a liquid is called
  - (1) gel
  - (2) emulsion
  - (3) sol
  - (4) precipitate

9. The antiseptic compound present in dettol is
  - (1) Iodine
  - (2) Enloroxylenol
  - (3) Biothional
  - (4) Cresol
10. Who among the following was sworn in as the new Prime Minister of Australia on September 18, 2013 ?
  - (1) Dilma Rousseff
  - (2) Julia Gillard
  - (3) Kevin Rudd
  - (4) Tony Abbott
11. Which of the following crop cultivation is banned by the Hon'ble Supreme Court of India ?
  - (1) Lathyrus (Khesari)
  - (2) Genetically modified brinjal
  - (3) Bt cotton for export
  - (4) Bt cotton for local use
12. Ice glacier's melting is a common phenomenon linked to the rise in seawater level. The glaciers are predominantly present in
  - (1) Greenland
  - (2) Antarctica
  - (3) Himalayas
  - (4) Arctic
13. Who is known for establishing the "Anand Van" ?
  - (1) Jubilant Buddha
  - (2) H. N. Bahuguna
  - (3) Baba Amte
  - (4) Motilal Nehru
14. The civilian Airport of highest altitude is in
  - (1) Tibet
  - (2) Nepal
  - (3) India
  - (4) China
15. The following equation becomes mathematically correct when you interchange either the sign or the numbers as indicated in the question. Find the correct alternative.  
Given equation :  
 $(16 - 4) \times 6 \div 2 + 8 = 30$ 
  - (1) 4 and 2
  - (2)  $\div$  and  $-$
  - (3) 16 and 6
  - (4)  $-$  and  $+$
16. In the following question, find the missing number from the given responses.
 

18	15	11
3	5	8
6	4	?
324	300	528

- (1) 7
  - (2) 5
  - (3) 6
  - (4) 4
17. Arrange the numbers into ascending order :
    - A. 864253
    - B. 842563
    - C. 825643
    - D. 834562
    - E. 852463
    - (1) A,C,B,E,D
    - (2) B,D,C,E,A
    - (3) C,D,B,E,A
    - (4) D,E,C,A,B
  18. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series :  
DFI, KMP, ?, YAD
    - (1) QSV
    - (2) RTW
    - (3) SUX
    - (4) RTV
  19. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series :  
9, 27, 31, 155, 161, 1127, ?
    - (1) 1135
    - (2) 1288
    - (3) 316
    - (4) 2254
  20. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series :  
WVTSQPNMKJ ? ?
    - (1) HG
    - (2) IL
    - (3) GH
    - (4) GF
  21. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series :  
bede ebcd debc cdeb ?
    - (1) dcbe
    - (2) bcde
    - (3) cdbe
    - (4) dbcc
  22. A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series :

Question Figures :



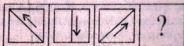
Answer Figures



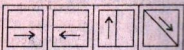
(1) (2) (3) (4)

23. A series is given with a term missing. Choose the correct alternative from the given ones that will complete the series :

**Question Figures :**



**Answer Figures**



(1) (2) (3) (4)

24. Select the one which is different from the other three responses :  
 (1)  $55 \times 5$  (2)  $15 \times 15$   
 (3)  $5 \times 45$  (4)  $25 \times 9$

25. Genomic (DNA) studies in camel have been completed recently by the scientists of

(1) South Africa  
 (2) India  
 (3) China  
 (4) Pakistan

26. Air quality depicting PM 2.5 is more hazardous to

(1) Archaeological Monuments  
 (2) National Parks  
 (3) Botanical Gardens  
 (4) Old Men and Women

27. Entomology is the study of

(1) Birds (2) Insect  
 (3) Fossils  
 (4) Fungi

28. Who is custodian of the Indian Constitution ?

(1) President of India ?  
 (2) Chief Justice of India  
 (3) Prime Minister of India  
 (4) Chairman of Rajya Sabha

29. Piped Natural Gas (PNG) is used for

(1) Mining (2) Welding  
 (3) Anaesthesia  
 (4) Cooking

30. Greenpark Stadium is in

(1) Bengaluru (2) Dehradun  
 (3) Chandigarh  
 (4) Kanpur

31. Rowlatt Act 1919 was enacted during the period of

(1) Lord Chelmsford  
 (2) Lord William  
 (3) Lord Minto  
 (4) Lord Bentinck

32. Panchayati Raj System was implemented first in the pair of states

- (1) Andhra Pradesh and Rajasthan  
 (2) Assam and Bihar  
 (3) Arunachal Pradesh and Uttar Pradesh  
 (4) Punjab and Chandigarh

33. Who among the following won the Best Actress Award at the 70th Venice Film Festival on September 7, 2013 ?

(1) Elena Cotta  
 (2) Catherine Corsinni  
 (3) Andrea Arnold  
 (4) Virginie Ledoyen

34. 'Gold' is mainly related to

(1) Local market  
 (2) National market  
 (3) International market  
 (4) Regional market

35. Bilateral monopoly refers to the market situation of

(1) two sellers, two buyers  
 (2) one seller and two buyers  
 (3) two sellers and one buyer  
 (4) one seller and one buyer

36. The economist who believed that unemployment is impossible and that market mechanism has a built in regulatory system to meet any ups and downs

(1) J.M.Keynes  
 (2) Ohlin (3) J.B.Say  
 (4) Galbraith

37. Constituent Assembly of India was formulated on the recommendation of

(1) Wavel Plan  
 (2) Cripps Mission  
 (3) August Offer  
 (4) Cabinet Mission

38. Which of the following is an essential element of the state?

(1) Sovereignty (2) Government  
 (3) Territory (4) All these

39. Select the related word from the given alternatives :

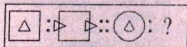
Sorrow : Joy :: Pleasure : ?  
 (1) Anger (2) Pain  
 (3) Jealousy (4) Malice

40. Select the related words from the given alternatives :

Surgeon : Forceps :: ?  
 (1) Doctor : Prescription  
 (2) Refugee : Asylum  
 (3) Blacksmith : Hammer  
 (4) Driver : Brake oil

41. Select the related figure from the given alternatives :

**Question Figures :**



**Answer Figure**



(1) (2) (3) (4)

42. Select the related number from the given alternatives :

4 : 12 :: 5 : ?

(1) 25 (2) 20  
 (3) 22 (4) 30

43. Select the related figure from the given alternatives :

**Question Figures :**



**Answer Figure**



(1) (2) (3) (4)

44. Which has become a legal right under 44th Amendment?

(1) Right to Education  
 (2) Right to Property  
 (3) Right to Judicial Remedies  
 (4) Right to Work

45. By which Constitution Amendment Act, Right to Property ceased to remain a fundamental right?

(1) 44th (2) 42nd  
 (3) 43rd (4) 45th

46. Who said "Truth is the ultimate reality and it is God"?

(1) Swamy Vivekananda  
 (2) Rabindra Nath Tagore  
 (3) M.K.Gandhi  
 (4) Radhakrishnan

47. Which of the following tribes is associated with the "Tana Bhagat" movement ?

(1) Uraon (2) Munda  
 (3) Santhal (4) Kondadora

48. Who founded the Naujawan Bharat Sabha ?

(1) B.C.Pal  
 (2) G. Subramania Iyer  
 (3) Sardar Bagat Singh  
 (4) Rukmani Lakshminath

49. The Narendra Mandal or Chamber of Princes was inaugurated in 1921 by  
 (1) Lord Curzon  
 (2) Lord Wellesley  
 (3) Duke of Cannaught  
 (4) Duke of Wellington
50. Buddha, Dhamma and Sangha together are known as  
 (1) Triratna (2) Trivarga  
 (3) Trisarga (4) Trimurti
51. In dicots the pollen-grains possess :  
 (1) two germ pores  
 (2) three germ pores  
 (3) four germ pores  
 (4) one germ pore
52. Acceptable "Noise Pollution Level" in India range between:  
 (1) 16 - 35 dec (2) 40 - 45 dec  
 (3) 70 - 100 dec  
 (4) 10 - 15 dec
53. Externality theory is the basic theory of the following branch of Economics:  
 (1) Environmental  
 (2) Fiscal Economics  
 (3) International Economics  
 (4) Macro Economics
54. Multi-purpose river valley projects are the "New temples of modern India". The above statement is made by:  
 (1) Motilal Nehru  
 (2) Mahatma Gandhi  
 (3) Rajiv Gandhi  
 (4) Jawaharlal Nehru
55. What type of information system would be recognised by digital circuits ?  
 (1) Binary system  
 (2) Both hexadecimal and binary system  
 (3) Only Roman system  
 (4) Hexadecimal system
56. Who was not a politician ?  
 (1) I.K. Gujral  
 (2) S.L. Bahuguna  
 (3) J. Jayalalitha  
 (4) H.N. Bahuguna
57. Who gave the title of "Mahamana" to Madan Mohan Malviya ?  
 (1) Dada Bhai Naurozi  
 (2) Copal Krishna Gokhale  
 (3) Mahatma Gandhi  
 (4) Bal Gangadhar Tilak
58. The average of four consecutive even numbers is 27. The largest of these numbers is :
- (1) 32 (2) 28  
 (3) 30 (4) 34
59. What number should be subtracted from both the terms of the ratio 15:19 so as to make it as 3:4 ?  
 (1) 5 (2) 3  
 (3) 4 (4) 6
60. If  $\frac{1}{8}$  of a pencil is black,  $\frac{1}{2}$  of the remaining is white and the remaining  $3\frac{1}{2}$  cm is blue, then the total length of the pencil is :  
 (1) 8 cm (2) 9 cm  
 (3) 10 cm (4) 11 cm
61. In a garden, there are 10 rows and 12 columns of mango trees. The distance between two trees is 2 metres and a distance of one metres is left from all sides of the boundary of the garden. The length of the garden is :  
 (1) 22m (2) 24m  
 (3) 26m (4) 20 m
62. In a division sum, the divisor is 12 times the quotient and 5 times the remainder. If the remainder is 48, then the dividend is :  
 (1) 4850 (2) 4864  
 (3) 4848 (4) 4949
63. A certain number when successively divided by 2, 3 and 5 leave remainders 1, 2 and 3 respectively. What is the complete remainder ?  
 (1) 25 (2) 23  
 (3) 21 (4) 19
64. A certain number  $x$  when divided by 57 leaves a remainder 27. What is the remainder if the numbers  $x$  is divided by 19?  
 (1) 7 (2) 8  
 (3) 9 (4) 11
65. How many digits in all are required to write numbers from 1 to 60 ?  
 (1) 120 (2) 111  
 (3) 50 (4) 91
66. The simplified form of  $\left( 32^{\frac{4}{5}} + 32^{-\frac{4}{5}} \right)$  is :  
 (1) 0 (2)  $16\frac{1}{16}$   
 (3) 1 (4)  $\frac{16}{257}$
67. If A : B = 4 : 7, B : C = 7 : 9 and C : D = 9 : 11 then A : D is equal to :  
 (1) 4 : 11 (2) 11 : 4  
 (3) 4 : 9 (4) 9 : 4
68. First Hindu-American to enter in the US House of Representative as senator is :  
 (1) Sunita Williams  
 (2) Jyoti Sengupta  
 (3) Ami Bera  
 (4) Tulsi Gabbard
69. Pick out the correct match:  
 (1) Fleshy foods - Calcium and Protein  
 (2) Fish - Starch and Vitamin  
 (3) Milk - Fibre and Minerals  
 (4) Egg yolk - Protein and Fat
70. Who was the Viceroy at the time of Quit India Movement ?  
 (1) Lord Mountbatten  
 (2) Lord Wavell  
 (3) Lord Lin Lithgow  
 (4) Lord Irwin
71. Expand the term IPCC :  
 (1) International Panel of Climate Control  
 (2) Interim Panel of Climate Change  
 (3) Intergovernmental Panel on Climate Change  
 (4) International Pollution Control Council
72. Who described the Government of India Act, 1935 as a new charter of bondage ?  
 (1) Mahatma Gandhi  
 (2) Rajendra Prasad  
 (3) Pt. Jawaharlal Nehru  
 (4) B.R. Ambedkar
73. Endosulfan spray on cashew crop resulted in the pollution to the tune of tragedy in :  
 (1) Kerala  
 (2) Andhra Pradesh  
 (3) Karnataka (4) Tamil Nadu
74. "Functional Finance" is associated with :  
 (1) Adolph Wogner  
 (2) Adam Smith  
 (3) Adams  
 (4) Abba 'P' Lerner
75. 'Farad' is the unit of :  
 (1) Capacitance  
 (2) Inductance  
 (3) Resistance  
 (4) Conductance

76. Which of the following is an impact printer ?

- (1) Ink-jet printer
- (2) Bubble-jet printer.
- (3) Laser printer
- (4) Daisy wheel printer

77. The percentage of nitrogen present in ammonium sulphate is :

- (1) 27%
- (2) 25%
- (3) 30.5%
- (4) 18%

78. Identify the odd term amongst the following group :

- (1) Optical fibre
- (2) Twisted pair wire
- (3) Microwaves
- (4) Coaxial cable

79. Who was the other Congress leader who joined with Motilal Nehru to start the Swaraj Party in 1923 ?

- (1) B.G. Tilak
- (2) Chittaranjan Das
- (3) M.K. Gandhi
- (4) G.K. Gokhale

80. In which part of the Indian Constitution, the fundamental duties are enshrined ?

- (1) IV A
- (2) IV B
- (3) V
- (4) IV

81. Who of the following enjoys the rank of Cabinet Minister in Union Cabinet ?

- (1) Judge of Supreme Court
- (2) Secretary to Government of India
- (3) Political Advisor to PM
- (4) Deputy Chairman of Planning Commission

82. Aung San Sun Kyi is a native to :

- (1) China
- (2) Myanmar
- (3) Arunachal Pradesh
- (4) Tibet

83. A man travelled a certain distance by train at the rate of 50 km/hr and come back by running at an average speed of 8 km/hr. The journey took 2 hours 54 min. What distance did he travelled by train?

- (1) 20 km
- (2) 24 km
- (3) 16 km
- (4) 32 km

84. A, B and C are three partners in a partnership A subscribes  $\frac{1}{3}$

of the capital and B  $\frac{1}{4}$  and C the

rest. What is the share of C in the total profit of Rs. 600 ?

- (1) Rs 225
- (2) Rs 175
- (3) Rs 275
- (4) Rs 250

85. Three pipes A, B and C can fill a cistern in 6 hours. After working at it together for 2 hours, C is closed and A and B fill it in 7 hours more. How many hours will C alone take to fill the cistern?

- (1) 10 hours
- (2) 14 hours
- (3) 16 hours
- (4) None of these

86. How many seconds will a train 100 metres long take to cross a bridge 150 metres long if the speed of the train is 36 kmph?

- (1) 20
- (2) 22
- (3) 25
- (4) 28

87. A cube of metal, each edge of which measures  $\frac{5}{8}$  th of 9 cm

weighs 625 grams, What is the weight of each edge of a cube of the same metal which weighs 40 grams ?

- (1) 2.5 cm
- (2) 0.25 cm
- (3) 0.025 cm
- (4) 0.75 cm

88. DPT vaccine is administered to prevent diseases like:

- (1) Diphtheria, Pertussis and Tetanus
- (2) Dengue, Pertussis and Typhoid
- (3) Dengue, Polio and Tetanus
- (4) Diphtheria, Pertussis and Typhoid

89. Diamonds are priced higher than water because :

- (1) they are sold by selected firms with monopolistic powers.
- (2) their marginal utility to buyers is higher than that of water.
- (3) their total utility to buyers is higher than that of water.
- (4) consumers do not buy them at lower prices.

90. Ethanol containing 5% water is known as :

- (1) Dilute alcohol
- (2) Power alcohol
- (3) Rectified spirit
- (4) Absolute alcohol

91. Of the following land uses, which is restricted to Special Economic Zones ?

(1) Educational Institutions

(2) Free trade Centres

(3) Marketing Centres

(4) Information Technology Companies

92. The eastward continuation of the Brazil current is called:

- (1) South Atlantic drift
- (2) Counter Equatorial drift
- (3) West Atlantic drift
- (4) North Atlantic drift

93. Communication satellites are used to :

- (1) receive communication signal only
- (2) receive and redirect communication signal
- (3) provide information of natural resources only
- (4) transmit communication signal only

94. What is the first sermon of Buddha called as ?

- (1) Brahmajalasutta
- (2) Dhammachakkapabattanasutta
- (3) Kachchayanagottasutta
- (4) Mahaparinirvansutta

95. Where are the Todas found ?

- (1) Tamil Nadu
- (2) Rajasthan
- (3) Arunachal Pradesh
- (4) Madhya Pradesh

96. The "One Straw Revolution" was written by :

- (1) Richael Carlson
- (2) M.S. Swaminathan
- (3) Norman Borlaug
- (4) Masanobu Fukuoka

97. Who wrote the book "Why Socialism" ?

- (1) Mahatma Gandhi
- (2) Acharya Narendra Dev
- (3) M.N. Roy
- (4) Jayaprakash Narayan

98. Hypothermia occurs due to loss of excessive heat from body due to sudden low body temperature in:

- (1) Frogs
- (2) Human beings
- (3) Lizards
- (4) Snakes

99. The disease that has been eradicated from the world is:

- (1) Leprosy
- (2) Poliomyelitis
- (3) Chicken pox
- (4) Small pox

100. The vacancy of the office of the President must be filled within :

- (1) 6 months
- (2) 12 months
- (3) 1 month
- (4) 3 months