1.   Among the following Prime Ministers of India who served for five continuous years?
        A)   Lal Bahadur Sasthri   B)   Narasimha Rao
        C)   Morarji Desai   D)   Charan Singh

2.   Who is the editor of the book "Congress and the Making of Indian Nation"?
        A)   Manmohan Singh   B)   Sonia Gandhi
        C)   P.Chidambaram   D)   Pranab Mukharjee

3.   Who is the present Information & Broad casting Minister of India?
        A)   Vayalar Ravi   B)   A.K.Antony
        C)   Ambika Soni   D)   Kamal Nath

4.   Which Committee is dealing with the issue of formation of Telengana State?
        A)   Srikrishna Committee   B)   Narendran Committee
        C)   Sukumol Committee   D)   None of these

5.   'S.Y.Qureshi' who visited Kerala recently is ------------?
        A)   Auditor General of India
        B)   Chief Justice of India
        C)   Election Commissioner of India
        D)   Chief Election Commissioner of India

6.   The RBI has decided to issue coins bearing the portrait of Mother Teresa. What is the denomination of the coins?
        A)   Rs.5   B)   Rs.10
        C)   Rs.20   D)   Rs.25

7.   In which of the following states the Kudankulam Nuclear Power Project (KKNPP) is situated
        A)   Kerala   B)   Tamil Nadu
        C)   Andra Pradesh   D)   Karnataka

8.   Who is the Director of Malayalam film 'Kutty Srank' which won five National Awards?
        A)   Adoor Gopalakrishnan   B)   T.V.Chandran
        C)   Lenin Rajendran   D)   Shaji N.Karun

9.   Preeja Sreedharan won gold medal in Asian Games for ------------------- race
        A)   1500 metre   B)   3000 metre
        C)   5000 metre   D)   10,000 metre

10.   Which of the following malayalam poets selected for Jnanpith Award for 2009
        A)   Vishnu Narayanan Namboodiri
        B)   O.N.V Kurup
        C)   Sugatha Kumari
        D)   Akkitham

11. October 2 every year is celebrated as
    A)   Republic Day   B)   Children's Day
    C)   Vijayadasami   D)   Gandhi Jayanthi

12. New Delhi is situated in the bank of
    A)   Cauvery River   B)   Yamuna River
    C)   Ganga River   D)   Godavari River

13. Which was the first capital of British India?
    A)   Bombay   B)   Delhi
    C)   Jaipur   D)   Kolkatha

14. Which metal is known to be most abundantly distributed on the Earth's surface?
    A)   Aluminium   B)   Iron
    C)   Magnesium   D)   Nickel

15. In the telecommunication cable copper is replaced by ------------ in recent times
    A)   Aluminium cable   B)   PVC fibre cable
    C)   Fibre optic cable   D)   Steel fibre cable

16. Which acid is found in lemon?
    A)   Nitric acid   B)   Citric acid
    C)   Formic acid   D)   Sulphuric acid

17. Time taken to sing Indian National Song
    A)   50 seconds   B)   52 seconds
    C)   55 seconds   D)   60 seconds

18. The Indian Prime Minister who was not a member of Loksabha?
    A)   Jagajeevan Ram   B)   Charan Singh
    C)   Manmohan Singh   D)   Vajpay

19. In which country the TECOM which has agreed to set up the Smart City Project at
    Kochi is located
    A)   Singapore   B)   Malaysia
    C)   Muscat   D)   Dubai

20. A bill has been passed in the legislature recently to start a new University in
    Kerala. Which is that?
    A)   Medical University   B)   Engineering University
    C)   Technology University   D)   Folklore University

21. Statistics of birth and death is ---------------
    A)   Dendrology   B)   Demography
    C)   Gerontology   D)   Genetics

22. Velocity is ----------------
    A)   The speed of an object
    B)   The speed and direction of an object
    C)   The speed and sound of objects
    D)   The speed and vibration of an object

23. An example of semiconductor of electricity is
    A)   Rubber   B)   Aluminium C)   Plastic   D)   Silicon

24. An electric bulb explodes when it is broken because
    A)   The bulb's surface is thin and easily fragmented
    B)   The bulb contains lethal gases which comes out rushing
    C)   The bulb contains vacuum and air rushes in when it breaks
    D)   The bulb expels the sound due to electric charge inside

25. A chemical substance that counteracts stomach acidity is
    A)   Antibiotic   B)   Chloroform C)   Hydrocarbons D)   Antacid

26. The unit of work in MKS system is ----------------
    A)   Erg   B)   Dyne   C)   Joule   D)   Walt

27. Velocity of sound is maximum in ---------------
    A)   Steel   B)   Water   C)   Air   D)   Wood

28. The branch of science that deals with the study of universe is called
    A)   Physics   B)   Astronomy
    C)   Astrology   D)   Philosophy

29. The main source of chemicals which is used in industries is?
    A)   Coal tar   B)   Peat
    C)   Coke   D)   Petroleum

30. The first instrument that was used for calculation was --------------
    A)   Abacus   B)   Calculator C)   Computer   D)   Paperus

31. One and a half weeks ------------- really a very short time for me to finish this work
    A)   been   B)   are   C)   is   D)   being

32 'My cousin takes after her grandmother' means 'she ------------ her grandmother'
    A)   resembles   B)   takes care of C)   obeys   D)   follows

33. You ------------- submit your assignment before the Head issues you a warning
    A)   shall   B)   might
    C)   need to   D)   had better

34. After prolonged treatment, eventually he was cured ------------ that disease
    A) from   B) of   C) off   D) out of

35. We succeeded in persuading him to agree --------------our proposal.
    A) on   B) with   C) upon   D) to

36. The word closest in meaning to 'viable' is ---------------
    A) visible   B) suitable   C) workable   D) final

37. The word most opposite in meaning to 'obdurate' is --------------
    A) stubborn   B) flexible   C) obsessed   D) lethargic

38. The correctly spelt word is ---------------
    A) irresistible   B) irresistable
    C) irressistable   D) resistence

39. If you -------------- a little more careful, you could have avoided this situation
    A) were   B) are
    C) had been   D) have been

40. 'My friend will never let me down' means 'she will not ------------'
    A) help me   B) speak ill of me
    C) let me sit on the floor D) disappoint me

41. She wants to join -------------- University in New Zealand, but has not yet decided which one
    A) an   B) a
    C) the   D) no article

42. No sooner did he open the door------------ the telephone started ringing.
    A) then   B) when   C) than   D) and

43. Some insects have one or two eyes, but others have -------------
    A) no one   B) not some   C) no   D) none

44. They accused him --------------- theft
    A) of   B) for   C) with   D) on

45. He ---------------- dinner by the time I reached home.
    A) had   B) had had   C) has had   D) has

46. The value of $\dfrac{0.77 \times 0.77 - 0.23 \times 0.23}{0.02}$ is:

    A) 2.7   B) 27   C) 5.4   D) 54

47. Which is the lowest fraction of the following?

A) $\dfrac{4}{9}$
B) $\dfrac{2}{3}$
C) $\dfrac{1}{2}$
D) $\dfrac{5}{8}$

48. If X=4 and X×Y =12, then $(X+Y)^2$ is:
A) 256
B) 144
C) 49
D) 16

49. The value of $(4.5)^{1.3} \times (4.5)^{0.7}$ is:
A) 20.25
B) 2.25
C) 16.25
D) 20.50

50. 555×222 = ----------------
A) 123210
B) 143210
C) 321100
D) 111110

51. The smallest number which is exactly divisible by 18, 24, 36 is:
A) 288
B) 216
C) 196
D) 72

52. A family spends $(\dfrac{2}{5})^{th}$ of their monthly income for food, $(\dfrac{1}{6})^{th}$ for the education of the children and the rest for other purposes. If they spend Rs. 3400 for food in a month, then how much they spend for the education approximately?
A) Rs.1518
B) Rs. 1417
C) Rs. 1326
D) Rs.1318

53. The simplified value of $\dfrac{4}{5} \div 2 \text{ x } \dfrac{5}{3} + \dfrac{2}{3}$ is:

A) $\dfrac{10}{3}$
B) $\dfrac{8}{3}$
C) $\dfrac{4}{3}$
D) $\dfrac{2}{3}$

54. The average of 12 numbers is 15. If 2 is added as the 13th number, then, the new average will be:
A) 12
B) 13
C) 14
D) 14.5

55. The speed of a train is 72 km/hr. How much distance it travel per second?
A) 1.2 km
B) 20 m
C) 1.2 m
D) 12m

56. The length of a hall is 6.25m and the width is 5 m. What is the cost of paving the floor tiles at the rate of Rs. 360 per m^2.
A) Rs.11250
B) Rs.10250
C) Rs.4050
D) Rs.4150

57. A person invests Rs. 12000 at a deposit scheme which matured to Rs. 13997 in 2 years. What is the rate if interest compounded annually?
A) 6%
B) 7%
C) 8%
D) 9%

58. If P: Q = 2:3 and Q:R =4:5, then P:Q:R equals:
A) 8:12:15
B) 4:6:10
C) 6:8:15
D) 8:10:15

59. The value of $4 \times 64^{2/3} \times 216^{1/3}$ is:
    A) 64   B) 96   C) 192   D) 384

60. The age of A is 3 times the age of B. After 10 years the age of A become twice the age of B. Then, what is the present age of A?
    A) 12   B) 18   C) 30   D) 36

61. Among A, B, C, and D, B is heavier than A and C, D is heavier than B, but C is not heavy as A; then, the heaviest and smallest are in the order:
    A) AD   B) DA   C) CD   D) DC

62. Pointing towards Gangadhar, Sindhu said, "The only son of his mother is my father". How is Sindhu related to Gangadhar?
    A) Father's sister   B) Daughter   C) Mother's sister   D) Niece

63. How many 5's are immediately preceded by 7 but not immediately followed by 9 in the following series of numbers?
    4, 5, 7, 5, 8, 9,5, 3, 7, 5, 9, 6, 7, 5, 7, 5, 9
    A) 2   B) 3   C) 4   D) 5

64. In a row of boys, Raju is 5th from the right and Biju is 5th from the left. If they interchange, Raju is 10th from the right, then, what is the new position of Biju from the left?
    A) 5th B) 10th C) 11th D) 15th

65. In the following alphabetical series, which letter will be the 3rd letter from the right of 5th from your left side?
    ABCDEFGHIJKLMNOPQRSTUVWXYZ
    A) B   B) E   C) H   D) I

66. Choose the best alternative having the same relation with the word as per the given pair.
    Pigeon: Peace :: White flag: ?
    A) Surrender   B) Patriotism   C) Victory   D) Hatred

67. Which of the following word will be the last word in the dictionary?
    A) Straggle   B) Straight   C) Straight way   D) Strafe

68. Write the missing number in the series: 1, 7, 17, -------, 49, 71
    A) 31   B) 29   C) 33   D) 34

69. Find the odd one out.
    A) Kilogram   B) Pound   C) Ton   D) Yard

6

70. In a certain code, EDUCATION is coded as DCTBZSHNM. Then, BIRTHDAY is coded as:
   A) AJQUGEZX   B) ZHQUGCBX
   C) AHQSGCZX   D) CJSUIEBZ

71. A house always has:
   A) Roof   B) Tiles
   C) Balcony   D) Study room

72. If SOLUTION is coded as 85497356, then ILLUSION is coded as:
   A) 39978386   B) 34498356
   C) 388997356   D) 34499356

73. If all the 12 number of the dial of a watch are replaced by alphabets such a way that number 1 is replaced with B, 2 with D, 3 with F and so on. Then, which alphabet will replace the number 9?
   A) R   B) S   C) Q   D) P

Answer the questions 14 and 15 after reading the following carefully. One Tourist plans to visit 6 places- A, B, C, D, E, and F exactly once. His plan is given below:
   (i) He must visit A before D
   (ii) The third place of the visit must be C and
   (iii) He must visit A before B and before E.

74. Which of the following could be the order of the tourist's visit?
   A) A, F, C, B, E, D   B) A, E, B, D, C, F
   C) D,B,C,E,F,A   D) C,A,D,E,F,B

75. If the tourist visits F first, which place he must visit second?
   A) B   B) E   C) A   D) C

76. The Power rating of a distribution power transformer is expressed in
   A) kW   B) kVAR   C) kVA   D) Ampere

77. The type of battery used in automobiles for starting is
   A) Carbon-Zinc   B) Nickel-Manganese
   C) Alkaline – Manganese   D) Lead Acid

78. Frequency range of FM broadcasting in India is
   A) 20Hz – 20kHz   B) 88Mz -108MHz
   C) 535 kHz – 1605 kHz   D) None of the above

79. Spark plug in a carburetor internal combustion engine is for
   A) Igniting the air fuel mixture
   B) Taking external connection to other electric circuits
   C) Used as a seal plug to prevent sparks
   D) None of the above

80. Speed of light in air is:
    A) 4000km/s
    B) 300000000m/s
    C) 400km/s
    D) 3000000 m/s

81. Reason for the larger size of the earth terminal of a normal house hold plug is:
    A) To make first contact during plugging in
    B) To maintain contact up to the last point during the removal of plug
    C) To carry larger current incase of a fault
    D) All of the above

82. The following tools/equipments are available. Which combination would you select for the repair of a CD player?
    1. Digital Multimeter, 2. Angle Grinder 3. Screw driver set, 4. 230V welding set, 5. 230V Soldering iron 6. Milling Machine 7. Rotary Hammer
    A) Option 1,2,3&7
    B) Option 1 & 3
    C) Option 3,6& 7
    D) Option 1,3 & 5

83. Which technology is used in Compact disks?
    A) Mechanical
    B) Electrical
    C) Electro Magnetic
    D) Laser

84. Which of the following cables can transmit data at high speeds?
    A) Coaxial Cable
    B) Optic Fibre Cable
    C) Twisted pair Cable
    D) UTP Cable

85. Which of the following is not a protective device?
    A) MCB
    B) FUSE
    C) ELCB
    D) None of the Above

86. The internal dimensions of a Lab are given below.
    Length – 10 meters
    Breadth – 8meters
    The available tile for flooring this room has a dimension of 30cmx30cm.
    How many tiles will be required to floor the room with the above tiles?
    A) 889 Tiles   B) 89 Tiles   C) 88 Tiles   D) 800 Tiles

87. A system that uses air to power a device/system is called
    A) Pneumatic
    B) Hydraulic
    C) Automatic
    D) Super charge

88. Which of the following units is connected with discharge in a domestic water pump?
    A) Kg/SqCm   B) RPM   C) LPM   D) N/m^2

89. The term 'SATA' is associated with which of the following appliances/equipments
    A) Washing Machine
    B) Wet Grinder
    C) Mixer
    D) Computer

90. Which of the following is not an Operating System?
    A) UBUNTU   B) DOS   C) JAVA   D) SOLARIS

91. Storage capacity of a single layer DVD is
    A) 4.7GB   B) 700MB   C) 47GB   D) 470MB

92. Frequency of Indian Electric supply is
    A) 230Hz   B) 50 Hz   C) 440 Hz   D) 60 Hz

93. Intensity of Light can be measured using
    A) Anemometer   B) IR Thermometer
    C) Clamp on Meter   D) Lux Meter

94. Which of the following device converts DC to AC?
    A) Rectifier   B) Boost converter
    C) Transformer   D) Inverter

95. There are two bearings. Bearing A, rotating at 5000RPM and Bearing B, rotating at 200 RPM. How will you lubricate the above bearings?
    A) Bearing A with Oil & Bearing B with Grease
    B) Bearing B with Oil & Bearing A with Greas
    C) Both with Oil
    D) Both with Grease

96. Which is the most efficient Belt Drive?
    A) V Belt   B) Flat Belt
    C) Toothed Belt   D) All of the above

97. What does SMPS stands for
    A) Switch Maximum Pulse Supply
    B) Switched Mode Power Supply
    C) Switching Main Power Supply
    D) Selective Mode Power Supply

98. The purpose of Oil in a distribution Transformer is for
    A) Insulation and Cooling
    B) Lubrication
    C) Dampening and Lubrication
    D) None of the above

99. Which of the following is a low efficient light source?
    A) CFL   B) HPSV Lamp
    C) LPMV Lamp   D) Tungsten Lamp

100. A resistor has the following Colour Code. What is the value of the resistor?
    RED, RED, RED
    A) 2200 k Ohm   B) 222Ohm
    C) 2.2kOhm   D) 22kOhm