National Mean-Cum-Merit Scholarship Test Mock Test (Class-8th)

1. Near sightedness can be corrected :

1.) Concave lens 2.) Convex lens 3.) Plano Convex lens 4.) Plane mirror

2. Fire due to Short circuit can be controlled by:

1.) Water 2.) Sand 3.)Chemical foam type fire extinguisher 4.) Dry powder type fire extinguishers

3. When finger is dipped in water,it appears to be broken because of :

1.) Reflection 2.) Refraction 3.)Both Reflection&Refraction 4.) Neither Reflection &Refraction

4. Number of proton in $_{13}Al^{27}$is:

1.) 27 2.) 14 3.) 13 4.) 15

5. Latin name of Gold is :

1.)Auram 2.) Argentum 3.) Ferrum 4.)Hydrogyrum

6. In which layer of the atmosphere clouds are available:

1.) Trophosphere 2.) Stratosphere 3.) Mesosphere 4.) Thermosphere

7. Red blood cells are formed in the :-

1.) Bone marrow 2.) Liver 3.) Thyroid 4.)Pitutary

8. S.I. unit of potential difference is:-

1.) Ampere 2.) Volt 3.) Joule 4.) Watt

9. The main constituent of Biogas is:-

1.) Methane 2.) Carbon dioxide 3.) Hydrogen 4.) Hydrogen sulphide

10. The device used to for producing electric current is :-

1.) Motor 2.) Generator 3.) Ammeter 4.) Galvanometer

11. The speed of sound will be greatest in:-

1.) Air 2.) Vacuum 3.) Water 4.) Metal

12. The permanent magnets made of :-

1.) Al, Ni,Co 2.) Al,Ni,Fe 3.) Al,Zn,Ni 4.)Al,Ni,C

13. Name the acid formed in stomach

1.) Hydrochloric acid 2.) Sulphuric acid 3.) Acetic acid 4.) Nitric acid

14. Which of following is most reactive metal & non-metal

1.) Pottasium&Phosphorous 2.) Silver, Carbondioxide 3.) Gold, Oxygen 4.)Iron , Neon

15. How many carbon atoms present in Butane hydrocarbon

1.)   One   2.)   Two   3.)   Three   4.) Four

16. What is the Chemical formula of the Washing Soda

1.) $Na_2Co_3.10H_2o$ 2.) Na_2Co_3 3.) $CaCo_3$ 4.)$ZnSo_4.7H_2o$

17. Vitamin B_{12} is essential for :-

1.)   Preventing Anaemia   2.) Healthy skin & eyes   3.)   Strong bones 4.) Clotting of blood

18. The largest gland in the human body is :-

1.)   Small intestine   2.) Large intestine   3.)   Stomach   4.) Liver

19. Separating of grains from cut crops is known as :-

1.)   Thrashing   2.)   Winnowing   3.)   Harvesting   4.) Storage

20. Mercury pollutants of water body produce a disease of human:-

1.)   Minamata   2.)   Silicosis   3.) Asbestosis   4.)Bysisnosis

21. Where should an object be placed so that a real & inverted image of same size is obtained using a convex lens

1.)Between the lens & its focus   2.)   At the focus   3.)At twice the focal length   4.) At infinity

22. The human eye forms the image of an object at its

1.)   Cornea   2.)   Iris   3.) Pupil   4.) Retina

23. A vast collection of billions of stars is called:-

1.)   Universe   2.) Galaxy   3.) Constellation   4.) Solar System

24. This symbol represents:-

1.)   A cell   2.) Battery

3.)   An electric lamp   4.) Open key

25. The correct chemical formula of Aluminum sulphate:-

1.$Al_2(So_4)_3$ 2.$Al_2(So_4)_4$ 3.$Al_3(So_4)_4$ 4. $AlSo_4$

26. Name the compound which is mixed with ice to freeze icecream:-

1. K_2No_2 2. KNo_2 3.KNo 4. KNo_3

27. What is the ph value of blood ?

1) 5 to 6   2) 8 to 8.5   3) 7.3 to 7.5   4) 4.4 to 5.8

28. When is world T.B. day celebrated ?

1.)   8 April   2.)   24 April   3.)   10 April   4.) 9 April

29. Amoeba reproduce by:-

1.)   Binnary fission 2.)   Multiple fission   3.)   Fragmentation   4.) Evaporation

30. Which Vitamin helps in clotting if blood ?

1.) Vitamin D 2.) Vitamin K 3.) Vitamin A 4.)Vitamin E

31. Which material cannot be changed easily by rubbing ?

1.) Plastis scale 2.)copper rod 3.) Inflated ballon 4.) Woolen cloth

32. An incident ray strikes a plane mirror at an angle of 15^0 with the mirror. The angle between the incident ray & reflected ray is:-

1.) 15^0 2.) 30^0 3.) 150^0 4.) 45^0

33. Audible range of human ear is :-

1) 10 Hz ਤੋਂ 20 Hz 2) 20,000 Hz ਤੋਂ 30,000 Hz

3) 20 Hz ਤੋਂ 20,000 Hz 4) 30,000 Hz ਤੋਂ 40,000 Hz

34. Information about colour of a body is send to brain via optic nerve through:-

1.) Rod cell 2.) Cone cell 3.) Eye lens 4.) Cornea

35. Whose reactivity is highest among the following metals ?

1.) Copper 2.) Potassium 3.) Iron 4.) Zinc

36. Which one of the following represents cash crops ?

1.) Sugacane& Cotton 2.) Rice & Cotton 3.) Rice & Wheat 4.) Wheat & Sugarcane

37. Word 'Tagia' belongs to which language:-

1.) Chinese 2.) Russian 3.) German 4.) Japanese

38. From which basic sedimentary rock 'Marble' is formed?

1.) Limestone 2.) Sandstone 3.) Slate 4.) Granite

39. Which of the following is not a type of 'Coffee'

1.) Arabica 2.) Robusta 3.) Siberica 4.)Liberica

40. Which Dynasty first established its capital at Delhi?

1.) Rajput Dynasty 2.) Lodhi Dynasty 3.) Khiliji Dynasty 4.)Tughlaq Dynasty

41. Who built JamaMasjid ?

1.) Babar 2.) Shahjahan 3.) Akbar 4.) Jahangir

42. Which Mughal Ruler was himself a good painter ?

1.) Babar 2.) Akbar 3.) Jahangir 4.)Shahjahan

43. The Constitutional head of our country is:-

1.) Defence Minister 2.) Prime minister 3.) President 4.) Chief of Army

44. Which pair is correct?

1.) Dr.Radhakrishnan-Teacher's day   2.) Sh. Jawaharlal Nehru-Environment day

3.) Dr. RajinderPrashad- Children Day   4.) Mahatma Gandhi-PanchSheel

45. How many members are elected by the voters of Punjab state to represent them in the loksabha ?

1.) 10   2.) 13   3.) 15   4.) 20

46. When the first battle of Karnataka fought ?

1.) 1756 AD   2.) 1739 AD   3.) 1740 AD   4.)1758 AD

47. Where the first Jute Industry was set up in India?

1.) Mumbai   2.) Assam   3.) Bengal   4.) Mysore

48. Name the second Guru of Sikhs ?

1.) Guru Ram Das Ji   2.) Guru Arjun Devji   3.) Guru Amar Das 4.) Guru AngadDevji

49. The partition of Bengal took place during the Governor General ship of :

1.) Lord Dalhousie   2.) Lord Harding   3.) Lord Curzon   4.) Lord Clive

50. In which of the following cities thermal power station is located ?

1.) Ludhiana   2.) Gurdaspur   3.)Morinda   4.)LehraMohabbat

51. When is the 'Environment Day' celebrated ?

1.) 5 December   2.) 6 December   3.) 5 June   4.) 6 June

52. Gir National park is the home of which wild animal ?

1.) Elephant   2.) Lion   3.) Black Deer   4.) Stag

53. Which state of India has the Maximum female literacy rate ?

1.) Punjab   2.) Assam   3.) Kerala   4.) Maharashtra

54. Where does the Delta type of Vegetation found ?

1.) In the Plains 2.) On the Hills   3.) Near the Seas 4.) On the Plateaus

55. Right against Exploitation is included in the :-

1.) Fundamental Rights   2.) Fundamental Duties

3.) Directive Principles of state policy   4.) Moral rights

56. The total number of nominated members to the Rajyasabhaare ?

1.) 14   2.) 10   3.) 12   4.) 15

57. The president of India is elected by:-

1.) The Electoral College   2.) The people of India directly

3.) The prime minister & cabinet ministers   4.) Election commission

58. The upper house of state legistature is called

1.) Legislative council   2.) Legislative assembly 3.)LokSabha   4.)RajyaSabha

59. It is mandatory to end the election campaign how many hours before the day of voting ?

1.) 48 Hours   2.) 24 Hours   3.) 36 Hours   4.)12 Hours

60. The maximum age for service of Chief Justice & other judge of High Court :-

1.) 65 Yrs   2.) 62Yrs   3.) 58Yrs   4.)70Yrs

61. Present day Punjab was formed on the basis of :-

1.) Castism   2.) Regionalism   3.) Communalism   4.)Linguism

62. What was rhe capital name of Pandyas ?

1.) Madurai   2.) Vanji   3.) Kochi   4.)Uryur

63. When did ChanderguptaMaurya become ruler ?

1.) 297 BC   2.) 270BC   3.) 298 BC   4.) 295 BC

64. Who was the last Emperor of Mughal dynasty ?

1.) Muhammad shah   2.) Bahadur Shah Zafar 3.) Ahmed Shah   4.) Akbar

65. Which of the following resources is not a fossil fuei ?

1.) Hydro-Electricity   2.) Coal   3.) Petrol   4.) Natural gas

66. In which industry bauxite is used as raw material ?

1.) Sugar   2.) Cement   3.) Jute   4.) Aluminum

67. Which of the following current flows by the western coast to South Africa

1.) Falkland current   2.) Peru Current   3.)Benguela current 4.) Mozambique current

68. NanhiChaan belongs to

1.) To stop communalism2.) Against illitracy 3.) To prevent female foeticide 4.) Against castism

69. From which country India adop[ted parliamentary form of Government?

1.) England   2.) U.S.A.   3.) China   4.) Russia

70. At present,what is the number of states in India ?

1.) 20   2.) 29   3.) 28   4.) 22

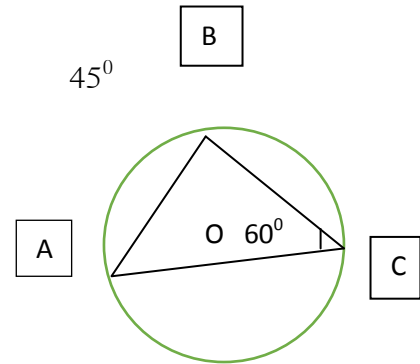**71.** How many figures are there in 1 to 1000 which are perfect cubes?

1) 8   2) 11   3) 13   4) 15

72. What is the unit digit of cube root of 226981?

1) 1   2) 3   3) 9   4) 7

73. In the given figure. AOB is a diameter of a circle. If angle ABC = 60 then what is the measure of angle CAB?

1) 60^0 2) 30^0 3) 90^0 4) 45^0

74. How many digits are there in square root of 1234321?

1)   2   2)   4   3)   6   4)   3

75. Find the value of $(287)^o$

1)   287   2)   28   3)   0   4)   1

76. Find the value of $\sqrt{\sqrt{59.29}} + \sqrt{59.29}$

1)   9   2)   10   3)   14   4)   5

77. How many figures are there in 100^2 and 101^2 which are not perfect square?

1)   100   2)   200   3)   1000   4)   2000

78. Find the least number which when multiplied by 2028 becomes a perfect square.

1)   2   2)   8   3)   3   4)   4

79. Find the value of $(704)^2 - (297)^2$

1)   4,07,607   2)   4009   3)   47,407   4)   4,07,407

80. The diameter of circle is 26 cm. The distance between centre of the circle and chord is 5 cm. Find the length of the chord. cm

1)   12 cm   2)13 cm   3)24 cm   4) 25 cm

81. What is the class interval of $165-170$

1)   162.5   2)   172.5   3)   167.5   4)   5

82. A horse tied with 7m log rope. Find the area in which horse can graze?

1)   154 m^2 2) $144m^2$ 3) $49m^2$ 4) $1078m^2$

83. Two ropes of length 28m and 36m are cut into equal parts. Find the longest possible length?

1)   7m   2)   4 m   3)   3 m   4)   5 m

84. In a soft drink factory a machine can fill 840 bottles in 6 hours. How many bottles can it fill in 5 hours?
1)   500   2)   400   3)   700   4)   600

85. Find the cube root of 8000.
1)   40   2)   10   3)   80   4)   20

86. How many figures are there which are equals to its cubes but not equal to their squares?

1)   0   2)   1   3)   2   4)   3

87. If the mean of four consecutive even numbers is 15. Then find the first number.
1)   10   2)   8   3)   12   4)   6

88. How many solutions are there of a linear equation?
1)   4   2)   2   3)   1   4)   0

89. Which is the least prime number?
1)   4   2)   0   3)   6   4)   2

90. The age of 10 teachers of a school is $32, 41, 28, 54, 35, 26, 23, 33, 38, 40$. Find the range of the teachers' age.
1)   32 year   2)   31year   3)   41 year   4)   23 year