SAAHASAM TRUST

(A Trust For Rural Educational Development)

Regd No : 244/2016,Chandhuluru, L.Kota, Vizianagaram, A.P - 535161

SAAHASAM
Dare Enough to Serve

SPARKS 2019

(Saahasam Promoting Activities For Raising Knowledgeable Students)

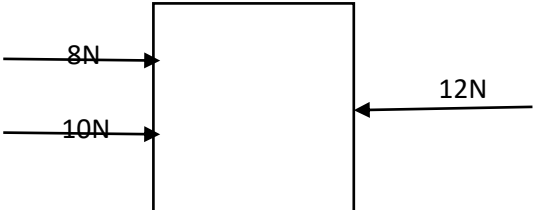Time : 2 Hours   Class : VIII(EM)   Marks:100M

INSTRUCTIONS FOR THE CANDIDATE

- *Question paper have 100 questions*
- *Each question carries one mark.*
- *No negative mark for wrong answer.*
- *Ensure that you received correct question paper or not.*
- *Candidates will provided with OMR sheet for answers, bubble the answers for corresponding questions.*
- *Follow the instructions specified on OMR sheet.*

1. The force applied on a unit area is called _____   [   ]
   a) Force   b) Pressure   c) Friction   d) Tension

2.   [   ]

   Find the net force acting on the body

   a) 18N (right)   b) 12N (left)   c) 6N (right)   d) 30N (right)

3.   The force exerted by a charged body on other charged or uncharged body is known as   [   ]
   a) Magnetic force   b) Muscular force   c) Electrostatic force   d)   Gravitational force

4.   Using of lubricants or ball bearings causes _____ in friction   [   ]
   a)   Decrease   b) Increase   c) Decrease or Increase   d) None of these

5. Friction produces _____   [   ]
    a) Electricity   b) Heat   c) Sound   d) Magnetism
6. The friction caused by moving an object at rest relative to another surface or object is   [   ]
    a) Sliding friction   b) Static friction   c) Both A and B   d) Neither A nor B
7. Sounds needs material medium to propagate. Sound cannot travel through vacuum.
    If a bomb blast on the moon, then   [   ]
    a) No sound is produced   b) We can't hear any sound c) Both A and B   d) None of these

8. Substances (i) Water
               (ii) Air
               (iii) Iron pipe

    Which of the above can act as medium for sound propagation?   [   ]

    a) (i) only   b) (i) and (ii)   c) (ii) only   d) (i), (ii) and (iii)
9. A normal human beings can listen to sounds with frequency from   [   ]
    a) 20cycles/sec-20000cycles/sec   b) 2cycles/sec-20cycles/sec

    c) 20000cycles/sec-30000cycles/sec   d) None of these

10. The property of materials by which they can be beaten into thin sheets is called   [   ]
    a) Ductility   b) Malleability   c) Sonorous   d) Lustrous
11. Oxides of metals are usually _____ in nature   [   ]
    a) Basic   b) Acidic   c) Both A and B   d) None of these
12. Which is recyclable plastic?   [   ]
    a) HDPE and PET   b) HDPE and LDPE   c) LDPE and PVC   d) PVC only
13. Choose the example for thermoplastics from the below options   [   ]

    a) Bakelite   b) Polythene   c) Melamine   d) None of these
14. The outer most layer in the cheek cell is   [   ]
    a) Cell Wall   b) Cell Membrane   c) Nuclear Membrane   d) None of these
15. The jelly like substance between the nucleus and the cell membrane is called   [   ]
    a) Golgi complex   b) Mitochondria   c) Cytoplasm   d) Nucleoplasm.
16. Pseudopodia are found in   [   ]
    a) Paramoecium   b) Chlamydomonas   c) Amoeba   d) All the above
17. The algae that can be seen with unaided eye   [   ]
    a) Cyanobacteria   b) Blue Green Algae   c) Diatom   d) Spirogyra

18. The micro-organisms that behave like non-living when they are out of living cell are   [   ]
    a) Viruses   b) Bacteria   c) Micro arthropods   d) All
19. Sugars are converted into alcohol by   [   ]
    a) Yeast   b) Bacteria   c) Virus   d) Heating
20. The fertilized egg is called as   [   ]
    a) Embryo   b) Zygote   c) Ovum   d) Sperm
21. The stage of the embryo in which all the body parts are identifiable is called   [   ]
    a) Reproduction   b) Ovum   c) Foetus   d) Sperm
22. Binary fission is observed in the following   [   ]

a) Hydra   b) Amoeba   c) Lizard   d) Dogs

23. Who eat other living things and get their energy from them?   [   ]
   a) Producers   b) Consumers   c) Decomposers   d) Recyclers

24. The following is the example of biotic component of ecosystem   [   ]
   a) Soil   b) Water   c) Microorganisms   d) Sunlight

25. The following is the example of fauna   [   ]
   a) Shrubs   b) Trees   c) Squirrels   d) Ground vegetation

26. Who was the father of Dutch cartography?   [   ]
   a) Gerardus Mercator   b) Columbus   c) Ptolemy   d) Vasco da Gama

27. The following is the example of thematic maps   [   ]
   a) Political Maps   b) Physical Maps   c) Land Use Maps   d) All the above

28. If the insolation received at the Equator (0 degrees) is 100 units, then at 90^0 how many   [   ]
   units are received?
   a) 40   b) 75   c) 50   d) 60

29. The solar radiation received on thesurface of the Earth is called as   [   ]
   a) Inversion   b) Condensation   c) Insolation   d) None of the above

30. The tilt of the Earth is _____ degrees   [   ]
   a) 23.5   b) 66.5   c) 44.5   d) 15.5

31. On the following days, both day and night are equal in size throughout the world   [   ]
   a) March 21, September 23 b) June 21 , December 22 c) March 21, June 21 d) September 23, December 22

32. The circle thatdivides earth between a light half and a dark half is   [   ]
   a) Tropical belt   b) Circle of Illumination   c) Equinox   d) Polarity of Axis

33. The imaginary line around which the Earth spins is called   [   ]
   a) Orbit   b) Axis   c) Horizon   d) None of the above

34. The forests that grow in very dry areas with little rainfall and high temperatures   [   ]
   a) Thorny forests   b) Deciduous forests   c) Swamp forests   d) Evergreen forests

35. The forests where the trees are adapted to salt waters and the flow of tidal waves   [   ]
   a) Mangrove forests   b) Deciduous forests   c) Thorny forests   d) Evergreen forests

36. The forests in which no one could enter are called as   [   ]
   a) Protected forests   b) Reserve forests   c) Both A and B   d) None of the above

37. The banking facility enabling us to deposit or withdraw cash 24 hours a day   [   ]
   a) Phone Banking   b) Net Banking   c) ATM   d) All of the above

38. The type of account in which there are no restrictions on the number of times you can
   deposit or withdraw the money   [   ]
   a) Savings Account   b) Current Account   c) Both A and B   d) Neither A nor B

39. The system which was used to directly exchange the goods without the use of money is   [   ]
   a) Barter System   b) Trading System   c) Exchange System   d) None of these

40. The following is the source of revenue to the banks   [   ]
   a) Interest on Loans   b) Fixed Deposits   c) Cash withdrawl   d) None of these

41. Who started the Assembly Line method of production to produce more cars quickly?   [   ]
   a) Kiichiro Toyoda   b) Henry Ford   c) Soichiro Honda   d) J.R.D Tata

42. Who benefits the most from combined harvester?   [   ]
   a) Farmers   b) Businessmen   c) Engineer   d) None of the above

43. Which is the second largest employer after agriculture in India?   [   ]
    a) Health Care   b) Textile Industry   c) Banking   d) None of the above
44. India's telecommunication network is the _____ largest in the world   [   ]
    a) First   b) Second   c) Third   d) Fourth
45. Who was the president of Indian Constituent Assembly?   [   ]
    a) Dr. Rajendra Prasad   b) Dr. B.R. Ambedkar   c) Sarojini Naidu   d) Motilal Naidu
46. The Indian Constitution came into effect from _____   [   ]
    a) 15th August 1947   b) 26th January 1950   c) 15th August 1950   d) 26th January 1947
47. The government will not be run on the basis of any religion. This is called as being   [   ]
    a) Secular   b) Democratic   c) Sovereign   d) Republic
48. The members of the Rajya Sabha are elected by _____   [   ]
    a) The people of India   b) The state assemblies   c) Both A and B   d) None of the above
49. Building a sense of bonding and unity among all people_____   [   ]
    a) Equality   b) Liberty   c) Fraternity   d) None of the above
50. Who supervises the expenditure of the governments and the Election Commission
    which conducts free and fair elections?   [   ]
    a) The Judiciary   b) Comptroller   c) Auditor General   d) All the above
51. Which of the following is a multiplicative inverse of 2/5?   [   ]
    a) 5/2   b) -2/5   c) 0   d) 1
52. The rational form of $4.\overline{7}$ is   [   ]
    a) 47/10   b) 47/9   c) 43/9   d) 43/10
53. What number should -33/16 be divided by to get -11/4?   [   ]
    a) 3/4   b) 4/3   c) -3/4   d) -4/3
54. The solution of 200y – 51 = 49 is   [   ]
    a) y = 2   b) y = ½   c) y = 1   d) y = 0
55. Two supplementary angles differ by 40. Find the angles?   [   ]
    a) 30^0, 150^0 b) 40^0, 140^0 c) 70^0 , 110^0 d) 60^0, 120^0
56. The ages of Rahul and Laxmi are in the ratio 5:7. Four years later, the sum of
    their ages willbe 56 years. What are their present ages?   [   ]
    a) 20, 28   b) 24, 32   c) 20, 32   d) 24, 28
57. Solve the equation $\dfrac{x+7}{3x+16} = \dfrac{4}{7}$ [   ]
    a) x = 3   b) x = -3   c) x = 1/3   d) x = 1

58. A man driving his moped at 24 kmph reaches his destination 5 minutes late to an appointment. If he had
    driven at 30 kmph he would have reached his destination 4 minutes before time. How far is his destination?
              [   ]
    a) 18 km   b) 28 km   c) 38 km   d) 48 km
59. The simplified form of $7^{-4}/7^{-6}$ [   ]
    a) 36   b) 49   c) 343   d) 7
60. Find the value of x such that $(-2)^{x+1} \times (-2)^7 = (-2)^{12}$ [   ]
    a) 5   b) 4   c) 6   d) 7
61. The standard form of the number 0.000000529 is   [   ]
    a) 5.29×10^{-7} b) 5.29×10^{-5} c) 5.29×10^{-3} d) 5.29×10^{-6}
62. If m = 3 and n = 2 then $m^n – n^m$ =   [   ]

a) 1   b) 2   c) 3   d) 4

63. $(4^0 - 3^0) \times 2^0 =$ [   ]

a) 1   b) 2   c) 0   d) 4

64. If 9 out of 24 students scored below 75% marks in a test. The ratio of student scored below 75% marks to the student scored 75% and above marks is   [   ]

a) 6 : 5   b) 3 : 5   c) 2: 5   d) 4 : 5

65. A cycle is marked at Rs.3600 and sold for Rs.3312. What is the discount percentage?   [   ]

a) 7%   b) 8%   c) 9%   d) 10%

66. The ratio of number of vowels in the word' MISSISSIPPI' to the number of consonants in the simplest form   [   ]

a) 4 : 5   b) 5 : 4   c) 4 : 7   d) 5 : 7

67. Amount at the end of 'T' years using compound interest   [   ]

a) PTR/100   b) $P(1 + T/100)^R$ c) $R(1 + T/100)^P$ d) $P(1 + R/100)^T$

68. The square root of 2025 is   [   ]

a) 45   b) 35   c) 55   d) 65

69. The smallest number by which 720 should be multiplied to get a perfect square is   [   ]

a) 2   b) 3   c) 6   d) 5

70. The cube root of 1331 is   [   ]

a) 11   b) 12   c) 7   d) 8

71. In a parallelogram ABCD, $\angle A = 80^0$, then $\angle C =$ [   ]

a) 80^0 b) 100^0 c) 70^0 d) 90^0

72. The number of independent measurements required to draw a quadrilateral is   [   ]

a) 4   b) 3   c) 5   d) 2

73. These can be constructed when two diagonals of different lengths are given   [   ]

a) Square   b) Rhombus   c) Both A and B   d) None

74. This is a quadrilateral with two pairs of parallel sides   [   ]

a) Parallelogram   b) trapezium   c) rhombus   d) kite

75. In this quadrilateral, the diagonals perpendicularly bisect each other   [   ]

a) Parallelogram   b) trapezium   c) rhombus   d) rectangle

76. A and B together can finish a piece of work in 12 days. If 'A' alone can finish the same work in 20days , in how many days B alone can finish it?   [   ]

a) 20   b) 30   c) 40   d) 60

77. Radha plays tennis every 6th day and plays football every 3rd day. She played both Tennis and footballon 14th March. What is the next date when Radha will play both the games?   [   ]

a) 20th March   b) 19th March   c) 18th March   d) 17th March

78. There are 300 employees in a company. If there is one manager for every 14 engineers, find the numbers of managers in company.   [   ]

a) 10   b) 15   c) 20   d) 25

79. Pradip says, 'Shilpa is the wife of the grandson of my mother.' What is the relation of Pradip with Shilpa?   [   ]

a) Father   b) Father-in-law   c) Son   d) Son-in-law

80. If 2.181818...... is written as p/q, such that p and q are positive integers without any common factor, find the value of p+q.   [   ]

a) 24   b) 11   c) 35   d) 45

81. Who among of them is the youngest Nobel Peace Prize, winner?   [   ]
    a) Nelson Mandela   b) Malala Yousafzai   c) Kailash Satyarthi   d) Barack Obama

82. Indian Super League belongs to which sport?   [   ]
    a) Badminton   b) Cricket   c) Hockey   d) Football

83. The original composed language of "Jan-Gana-Mana" is _____?   [   ]
    a) Hindi   b) Sanskrit   c) Marathi   d) Bengali

84. "Saahasam Trust" Started at_____ place of vizianagaram?   [   ]
    a) Kothavalasa   b) K.Marlapalli   c) jami   d) Chanduluru, L.kota

85. Saahasam Started a career guidance programme ____?   [   ]
    a) Gamyam   b) Lakshyam   c) Sikharam   d)nethram

86. Shiva drove a silver Toyota)   [   ]
   Identify the **Subject** in the above sentence
     a) Silver Toyata   b) Drove   c) Shiva   d) None of the above

87. I _____ be so interested in playing.   [   ]
Choose the appropriate option to fill in the blank for the above sentence.

    a) Used   b) Used to   c) Use   d) Use to

88. Mahesh is my elder brother. He lives in Delhi.   [   ]
Rewrite the above sentence using **Noun Phrase in Apposition**

    a) Mahesh, my elder brother , lives in Delhi   b) Mahesh, is my elder brother , lives in Delhi

    c)Mahesh, my elder brother , he lives in Delhi   d) None of the above

89. Hi, I've met you before, _____   [   ]
   Choose the suitable **question tag** from the below options to complete the sentence

    a) Isn't it?   b) Haven't I?   c) Didn't I?   d) Have I?

90. I _____ forgot about it   [   ]
   Choose the **adverb** from the below options to complete the sentence.
    a) Completely   b) complete   c) completed   d) None of the above

91. క్రింది పదమునకు సంధి పేరుతెలపండి   [   ]

    కవి + ఇంద్రుడు = కవీంద్రుడు

   a) సవర్ణదీర్ఘసంధి   b) గుణసంధి   c) యణాదేశసంధి   d) అనునాశికసంధి

92. క్రింది వాక్యములలో కర్తరి వాక్యమును కనుగొనండి   [   ]

   a) విశాల్ పుస్తకాన్నిచదివాడు   b) పుస్తకం విశాల్చే చదువబడెను

   c)మ్యూజియం స్వప్నచే చూడబడెను   d) పరీక్షలు రమేష్చే రాయబడెను

93. 'కాయగూరలు' అనే పదం ఏ సమాసము అనేది గుర్తించండి   [   ]

    a) ద్విగుసమాసం   b) ద్వంద్వ సమాసం   c) కర్మధారయ సమాసం   d) తత్పురుష సమాసం

94. క్రింది వాటిలో 'స్నేహము' అనే ప్రకృతి పదమునుకు వికృతి పదమును గుర్తించండి   [   ]

    a) సన్నాహము   b) నేహము   c) సీహము   d) నెయ్యము

95. 'సముద్రతీరం' అనే పదమునకు విగ్రహవాక్యమును గుర్తించండి   [   ]

    a) సముద్రము యొక్కతీరం   b) సముద్రమైన తీరం   c) సముద్రమునకు తీరం d)సముద్రము మరియు తీరం

96. **पास** का विलोम शब्द चुनो   [   ]

    a) बड़ा   b) गरीब   c) दूर   d) देश

97. **अध्यापक** का स्त्रीलिंग चुनो   [   ]

    a) अध्यापका   b) अध्यापिका   c) अधपके   d) अड्यापका

98. नीचे दिए गए वाक्य का काल चुनो :   [   ]

एक ऐसी क्रिया जो सम्पन्न हो रही है।

    a) भूतकाल   b) वर्तमानकाल   c) भविष्यकाल   d) पूर्णभूतकाल

99. नीचे दिए गए वाक्य से क्रिया विशेषण पहचानिये :   [   ]

    राजा विद्यालय से रोजघर जाताहै।

    a) राजा   b) विद्यालय   c) घर   d) जाता

100. **धरती** का पर्यायवाची शब्द चुनो   [   ]

    a) पृथ्वी   b) आकाश   c) पाताल   d) जल