SAAHASAM TRUST

(A Trust For Rural Educational Development)

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

SPARKS 2019

(Saahasam Promoting Activities For Raising Knowledgeable Citizens)

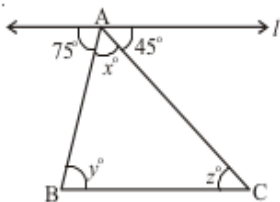| Time : 2 Hours	Class : VII(EM)	Marks:100M

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) $(-18) \times (-5) \times (-4) =$ _____ [ ]
   a) -90   b) -360   c) 360   d) -270

2) A shopkeeper earns a profit of ₹1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. In a particular month she incurs a loss of ₹5. In this period, she sold 45 pens. How many pencils did she sell in this period?
   [ ]
   a) 125   b) 25   c) 50   d) 64

3) Identify the distributive property from the following [ ]
   a) $a \times b = b \times a$ b) $a \times (b+c) = a \times c + b \times c$
   b) $a \times (b+c) = a \times b + a \times c$ d) None of the above

4) At **"SAHASAM"** Anniversary day, 6/7 part of the total cake was distributed to students. Find how much cake is left? [ ]
   a) 2/7 part   b) 3/7 part   c) 7/2 part   d) 1/7 part

5) Evaluate $(0.1 \times 0.1) + 5\frac{1}{2} =$ _____ [ ]
   a) 5.051   b) 551/100   c) 5.51/100   d) 0.551

6) Deepak can paint ⅖ of a house in one day. If he continues working at this rate, how many days will he take to paint the whole house? [ ]
   a) 2.5 days   b) 2 days   c) 5 days   d) 25 days

7) A rectangular sheet of paper is $5\frac{2}{3}$ cm long and $3\frac{1}{5}$ cm wide. Find its perimeter [ ]
   a) 17.733   b) 1.733   c) 33   d) 73.33

8) When the sum of two angles are equal to 180 ^{0} , then the angles are called_____.   [   ]
    a) Traversal   b) Linear pair   c) supplementary angles   d) Opposite angles

9) Total number of the boys and girls in a class is 52. If the number of girls is 10 more than that of boys, find the number of boys?   [   ]
    a) 12   b) 32   c) 42   d) 21

10) Find the measures of x,y and z in the figure, where l // BC   [   ]

    a) x= 60° ,   y= 60° ,   z= 50°
    b) x= 45° ,   y= 45° , z= 90°
    c) x= 90° ,   y= 45° , z= 45°
    d) x= 60° ,   y= 60° , z= 60°

11) A line which intersects two or more lines at distinct points is called a _____to the lines.[   ]
    a) Perpendicular   b) Transversal   c) Parallel   d) Supplementary

12) The triangle ABC formed by AB = 5 cm , BC = 8cm, AC = 4cm is   [   ]
    a) An isosceles triangle only   b) Scalene triangle only
    c) An isosceles right triangle   d) Scalene as well as right triangle

13) The angles of a triangle are in the ratio 2 : 3 : 4. Find the angles   [   ]
    a) triangle are 60° , 60° and 60°   b) triangle are 60° , 60° and 90°
    c) triangle are 40° , 60° and 80°   d) triangle are 30° , 60° and 60°

14) The perimeter of rectangle whose length is 60cm and diagonal is 61cm is   [   ]
    a) 120cm   b) 122cm   c) 71cm   d) 142cm

15) Find highest degree of algebraic equation pq– $6p^2q^2 - p^2q + 9$ [   ]
    a) 1   b) 2   c) 3   d) 4

16) If $5^6 \times 5^{2x} = 5^{10}$, then find x.   [   ]
    a) 3   b) 2   c) 1   d) 4

17) Last year the cost of a commodity was ₹40. This year, the cost of the commodity increased to ₹50.What is the percentage change in its price?   [   ]
    a) 15   b) 35   c) 10   d) 25

18) Ganga went to a tailor with 1 mt. cloth. She asked him to make a blouse to her. The tailor used 0.75 mts of cloth to make the blouse and returned the to Ganga remaining cloth What percentage of the cloth is given back to Ganga?   [   ]
    a) 25   b) 15   c) 35   d) 10

19) 0 kgs of rice is needed for a family of 4 members. How many kgs of rice will be required if the number of members in the house increases to 10?   [   ]

    a) 20 kgs   b) 25kgs   c) 50kgs   d) 5kgs

20) In $\triangle ABC$, if $\angle A = 3 \angle B$ and $\angle C = 2 \angle B$. Find all the three angles of $\triangle ABC$ [   ]

    a) $\angle A = 60°$, $\angle B = 60°$, $\angle C = 60°$ b) $\angle A = 90°$, $\angle B = 30°$, $\angle C = 60°$

    c) $\angle A = 60°$, $\angle B = 20°$, $\angle C = 100°$ d) $\angle A = 0°$, $\angle B = 60°$, $\angle C = 120°$

21) If three sides of a triangle are equal to the corresponding three sides of another triangle, then the triangles are _____

    [   ]

    a) Congruen   t b) Right angle   c) Obtuse angled triangle   d) None of the above

22) In $\triangle ABC$ [   ]

    a) $AB + BC > AC$ b) $AB + BC < AC$ c) $AB + AC < BC$ d) $AC + BC < AC$

23) The temperature at 12 noon was 10° C above zero. If it decreases at the rate of 2° C per hour until midnight, at what time would the temperature be 8° C below zero?

    [   ]

    a) 7pm   b) 8am   c) 9pm   d) 10pm

24) Arrange 4, 6, –2, 0 and –5 in ascending order   [   ]

    a) 6,4,0,-5,-2   b) 6,4,0,-2,-5   c) 0,-2,-5,4,6   d) -5,-2,0,4,6

25) Earnings (in rupees) of a vegetable vendor in a week are 200,150,180,300, 160, 170 and `170. Find his average earning(in rupees), per day ____

    [   ]

    a) 200   b) 180   c) 1900   d) 190

26) What is the acid present in Apple ?   [   ]

    a) Butyric acid   b) Malic acid   c) Ascorbic acid   d) Tannic acid

27) Which of the below is used to remove grease stain?   [   ]

    a) Oxalic acid   b) Calcium Hydroxide   c) Ammonium hydroxide   d) Hydrochloric acid

28) Which of the following is present in soap?   [   ]

    a) Potassium Hydroxide   b) Calcium Hydroxide   c) Ammonium hydroxide   d) Magnesium hydroxide

29) Acid rain are the combination of -----------------?   [   ]

    a) Carbonic acid, Sulphuric acid and Nitric acid   b) Sulphur dioxide, Nitrogen Oxide, Carbon dioxide

    c) Hydrochloric acid, Sulphuric acid and Nitric acid   d) None of the above

30) Which salt change blue litmus to red ?   [   ]

    a) Basic salt   b) Acidic salt   c) Common salt   d) None of the above

31) If all parts of a moving body move in the direction of motion then the motion is   [   ]

a) Translatory motion   b) Rectilinear motion   c) Curvilinear motion   d) Oscillatory motion

32) Motion of Drill bit is   [   ]
   a) Translatory   b) Rotatory   c) Circulatory   d) Oscillatory

33) Movement of a housefly is   [   ]
   a) Rotatory   b) Circulatory   c) Oscillatory   d) Non Uniform

34) A bus covered the distance of 60 km in 40 min. What is the speed of the bus?   [   ]
   a) 5km/h   b) 60km/hr   c) 90km/hr   d) 80km/hr

35) Which of the following statements is correct?   [   ]
   a) he basic unit of time is second.   b) Every object's motion is uniform.
   c) Two cars move for 5 minutes and 2 minutes respectively. The second car is faster because it takes less time.
     d) The speed of a car is expressed in km/h.

36) The correct relation between speed, distance and time is.   [   ]
   a) Speed = distance / time   b) Speed = time / distance
   c)Speed = motion / time   d) distance = speed / time

37) There are 3 bulbs connected in series .If one bulb is disconnected in a series connection, all the other bulbs also get _____   [   ]
   a) Disconnected   b) Not disconnected   c) Burns   d) None of the above

38) The heat energy produced by a glowing bulb can be minimized by using _____ bulbs in place of ordinary electric bulbs.   [   ]
   a) Candle   b) CFL bulbs   c) Torch   d) Kerosene lamps

39) A component which is used to close or break a circuit, is   [   ]
   a) Bulb   b) Switch   c) Wire   d) electric cell

40) Current flows through the circuit when circuit is in the _____ condition.   [   ]
   a) Closed   b) Open   c) Broken   d) Incomplete

41) At room temperature Mercury is in _____ state   [   ]
   a) Solid   b) Gas   c) Liquid   d) None of the above

42) First thermometer was invented by _____   [   ]
   a) Aristotle   b) Galileo   c) Charles Darwin   d) James watt

43) _____ is the normal temperature of human body   [   ]
   a) 37°C   b) 73°C   c) 27°C   d) 98.6°C

44) The image that can't be obtained on a screen but can be viewed in the mirror is called a   [   ]
   a) real Image   b) Not an Image   c) Virtual Image   d) Both real image and virtual image

45) What will be the angle of reflection when angle of incidence is 60° in a plane mirror   [   ]
   a) 45°   b) 180°   c) 90°   d) 60°

46) 'Metals' are best _____   [   ]
   a) insulators of heat b) conductors of heat c) conductors of light d) insulators of electricity

47) Name the organism that can breathes through its lungs as well as its skin _____   [   ]
   a) Human being   b) Earthworm   c) Dog   d) Frog

48) In cockroaches air enters through _____   [   ]

a) Spiracles   b) Gills   c) Skin   d) Lungs

49) The process of breathing in air is called_____   [   ]
    a) Breathing   b) Exhalation   c) Inhalation   d) Respiration

50) An adult human being at rests breathes in and out for _____ times in a minuite.   [   ]
    a) 10 - 15   b) 15 – 18   c) 20 -25   d) 50 - 60

51) The amount of invisible water vapour present in the atmosphere is known as _____   [   ]
    a) Humidity   b) Heat   c) Rain   d) Snow

52) The layer of water which accumulates under the ground among rocks is called _____   [   ]
    a) Rain   b) Snowfall   c) Aquifer   d) None of the above

53) "**Tides**" are _____   [   ]
    a) Rise to the same height everyday.
    b) Water found to move from one part to another in big streams
    c) c) Rainfall
    d) the rhythmic rise and fall in the level of the water in the oceans everyday.

54) _____ percentage of the earth's surface is occupied by seas and oceans   [   ]
    a) 50   b) 71   c) 85   d) 50

55) _____is the main agricultural season in France   [   ]
    a) Winter   b) Spring   c) Summer   d) Autumn

56) This movement started due to the advancement in technology and machinery   [   ]
    a) The Industrial Revolution b) Imperialism c) The Chartist Movement d) None of the above

57) What were some of the factors that Great Britain had which led to industrialization?   [   ]
    a) Economy   b) Natural Resources   c) Population   d) All of the Above

58) Who invented the Steam Engine   [   ]
    a) James Watt   b) Samuel Compton   c) John Kay   d) James Hargreaves

59) Labor Unions negotiated which of the following   [   ]
    a) Working conditions in factories b) Living conditions in cities c) Class divisions d) all of the above

60) In which country did the Industrial Revolution begin during the late 18th century?   [   ]
    a) France   b) Russia   c) Great Britain   d) United States

61) Which is the largest port in Andhra Pradesh   [   ]
    a) Gannavaram   b) Visakhapatnam   c) Kakinada   d) Krishnapatnam

62) Why Most cities in our country are now Experiencing congestion, and traffic blocks ?   [   ]
    a) Because of bad roads   b) Because of poor driving skills
    c)   Because of there is no good public transport system d) None of the above

63) During __rule (1158-1195AD) the capital was shifted from Anmakonda to Orugallu (Warangal)[   ]
    a) Rudradeva   b) Rudramadevi   c) Prataparudra   d) Prola II

64) Rudramadevi ruled between _____   [   ]
    a) 1116 - 1157AD   b) 1158 - 1195AD c) 1262 - 1289AD   d) 1289 - 1323AD

65) Who's court was adorned with eight poets known popularly as **Ashtadiggajas**?   [   ]
    a) Sathakarni   b) Krishnadevaraya   c) Prataparudra   d) Devaraya II

66) the idea of sulh-ikul or "universal peace" is whose policy ?   [   ]

a) Shah Jahan   b) Jahangir   c) Babur   d) Akbar

67) Members of the Legislative assembly (MLAs) elected by the   [   ]

a) Chief Justice   b) People   c) President   d) Government

68) Who have real authority in a country   [   ]

a) President   b) Prime Minister   c) People   d) Governor

69) Two houses of state legislature in India are   [   ]

a) Legislature Lok and Legislative Rajya   b) Legislature Lok and Legislative assembly

c) Legislature council and Legislative Rajya   d) Legislature council and Legislative assembly

70) In India, local government in rural areas is run by the_____   [   ]

a) State Government b) Panchayati Raj c) Union Government d) District Government

71) The groups who were placed at the bottom of the ladder were seen as unworthy and called _____ [   ]

a) Untouchables   b) Touchables c) Zamindars   d) Politician

72) Which branch of the government makes laws at the state level?   [   ]

a) The Executive   b) The Judiciary c) The Legislature   d) The Vidhan Parishad

73) Full form of VRO is   [   ]

a) Voluentry Road Officer   b) Village Revenue Officer

c) Virtual Rule Officer   d) None of the above

74) Which of these people cannot be elected to the Vidhan Sabha?   [   ]

a) A person who is over 25   b) A person who holds an office of profit in the government.

c) A person who has never been convicted by a court   d) A person who is a citizen of India

75) On which of these subjects can the state legislature make laws?   [   ]

a) Defence of the country b) Foreign Affairs c) Agriculture d) Railways

76) తనువు = _____   [   ]

a) శరీరం   b) ఆహారం   c) అనువు   d) బరువు

77) "చాలినంత" ఏసంధి…   [   ]

a) సవర్ణదీర్ఘసంధి   b) గుణసంధి   c) అత్వసంధి   d) యనాదేశసంధి

78) రాముడతాడు = _____ + _____   [   ]

a)రాముడు ,తాడు   b) రాము, అతడు   c) రామ,అతడు   d)రాముడు , అతడు

79) కీర్తి X _____   [   ]

a)నమ్మకం   b) హితం   c) అపకీర్తి   d) గొప్ప

80) "సముద్రం" అనేపదానికివికృతి _____   [   ]

a)నెయ్యం   b) సంద్రం   c) సత్తి   d) బాస

81) अर्जुनपुरस्कारकिसक्षेत्रमेंउत्कृष्टताकेलिएप्रदानकिएजातेहैं?   [   ]

a) सिनेमा   b) साहित्य   c) खेल-कूद   d) विज्ञान

82) जंगलमेंगलनेवालीआगकोक्याकहतेहैं ?   [   ]

    a)वडवानल   b) दावानल   c) क   d) बड़वाग्नि

83) रंगासियारमुहावराकाअर्थक्याहै ?   [   ]

    a)डरपोकव्यक्ति   b) धोखेबाजव्यक्ति   c) झूठबोलनेवालाव्यक्ति   d) वीरव्यक्ति

84) उपकारकाविलोमशब्दचुनो   [   ]

    a) बुराई   b) निंदा   c)अपकार   d) अपकर्ष

85) आस्थाकाविलोमशब्दचुनो   [   ]

    a) अनास्था   b) वैमनस्यता   c) अंधविश्वास   d) अविश्वास

86) Opposite word of "Dead" is _____   [   ]
    a) Died   b) dying   c) alive   d)none of the above

87) Arrange the given words in alphabetical order and tick the one that comes in the middle?   [   ]
   a)   Plane   **b)** Plain   c) Plenty   d) Player

88) The L.C.M. (Lowest (or Least) Common Multiple) of two numbers is 45 times to their H.C.F (Highest Common Factor). If one of the numbers is 125 and sum of L.C.M. and H.C.F. is   [   ]
1150, the other number is:
    a) 215   b) 220   c) 225   d) 235

89) Solve the equation for x : 6x - 27 + 3x = 4 + 9 – x   [   ]
    a) 4   **b)** 5   **c)** 6   **d)** -4

90) The cost of 2 chairs and 3 tables is Rs.1300. The cost of 3 chairs and 2 tables is Rs.1200. The cost of each table is more than that of each chair by?   [   ]
    a) Rs.70   b) Rs.75   c) Rs.50   d) None of these

91) The denominator of a fraction is 1 less than twice the numerator. If the numerator and denominator are both increased by 1, the fraction becomes 3/5. Find the fraction?   [   ]
    a) 2/3   b) 3/5   c) 4/7   d) 5/9

92) The cost of 10 kg of apples is equal to the cost of 24 kg of rice. The cost of 6 kg of flour equals the cost of 2 kg of rice. The cost of each kg of flour is Rs.20.50. Find the total cost of 4 kg of apples, 3 kg of rice and 5 kg of flour?   [   ]
    a) Rs.849.40   b) Rs.877.40   c) Rs.901.60   d) Rs.815.20

93) A person who is the husband of my son's sister is my   [   ]
    a) Nephew   b) Son-in-law   c) Son   d) Brother

94) The language spoken by the people by Pakistan is ?   [   ]
    a) Hindi   b) Palauan   c) Sindhi   d) Nauruan

95) The World Largest desert is   [   ]
    a) Thar   b) Kalahari   c) Sahara   d) Sonoran

96) Who's the founder of "SAAHASAM TRUST"   [   ]
    a) Ganesh Machavarapu   b) Chandrahass Reddy   c) Raja VenuPidi d) Siva Koti Boddu

97) What's the slogan of "SAAHASAM TRUST"   [   ]
a) goodness enough to Serve   b) Dare Enough to Serve   c) Brave Enough to Serve   d) kind enough to serve

98) Odd man out: 121, 143, 165, 186, 209   [   ]
     a) 143   b) 165   c) 186   d) 209

99) Country that has the highest in Barley Production ?   [   ]
     a) China   b) India   c) Russia   d) France

100) The Central Rice Research Station is situated in ?   [   ]
     a) Chennai   b) Cuttack   c) Bangalore   d) Quilon