



SAAHASAM TRUST

(A Trust For Rural Educational Development)

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

SPARKS 2018

(Saahasam Promoting Activities For Raising Knowledgeable Students)

Time : 3 Hours

Class : VIII(EM)

Marks:100M

INSTRUCTIONS FOR THE CANDIDATE

- Question paper have two sections Section-I & Section-II
 - Section- I have Multiple choice Questions and Section-II have reasoning based one line answer 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.
- i) For section- I questions bubble the answers for corresponding questions.
- ii) For Section- II questions bubble the answers for corresponding questions and write the reasons for the selected answer on the white space provided on the back side OMR. If required an additional sheet will be provided.
- iii) **For Qno. 71 to 78 please write your one word/sentence answers on the white space provided on the back side of OMR.**
- Follow the instructions specified on OMR sheet.

SECTION - I

1. Multiplicative identity of rational numbers is
A) 0 B) 1 C) -1 D) 2
2. The Periodicity of $1.2\overline{13}$
A) 1 B) 2 C) 3 D) 13
3. The solution of $5x + 1 = 26$ is
A) 5 B) 6 C) 4 D) 5

4. The sum of 4 angles in a quadrilateral is
 A) 90^0 B) 180^0 C) 360^0 D) 270^0
5. $\left(\frac{3^5}{3^3}\right)^5 \times 3^{-6} =$
 A) 27 B) 9 C) 81 D) 243
6. The compound ratio of 5 : 7 and inverse of 2 : 9 is
 A) 45 : 14 B) 14 : 45 C) 63 : 10 D) 10 : 63
7. $(2^0 - 3^0) \times 4^0 =$
 A) 4 B) 3 C) 0 D) -4
8. Which of the following is not correct?
 A) $\frac{x^{-3}}{x^{-2}} = \frac{1}{x}$ B) $x^{-2} = \sqrt{x}$
 C) $(x^{-3})^2 = x^{-6}$ D) $x^{-3} \times x^{-5} = x^{-8}$
9. Statement-I : Every Rectangle is a parallelogram
 Statement-II: Every Parallelogram is a Rectangle
 A) Statements I, II are true
 B) Statement I is true and II is false
 C) Statement I is false and II is true
 D) Statements I and II are false
10. The cost of one pair of shoes is Rs. 550, 10% discount is allowed.
 Then the selling price of shoes is
 A) Rs. 505 B) Rs. 495 C) Rs. 485 D) Rs. 475
11. Which of the following are pythagorian triplets
 A) 1, 2, 3 B) 4, 5, 6 C) 3, 4, 5 D) 5, 6, 7
12. Length of the arc of a sector is
 A) $\frac{x}{360} \times \pi r^2$ B) $\frac{x}{360} \times \pi r$ C) $\frac{x}{360} \times \frac{1}{2} \pi r$ D) $\frac{x}{360} \times 2\pi r$
13. If the median of x, 2x, 4x is 12, then find mean of the data
 A) 12 B) 6 C) 14 D) 24
14. Arithmetic mean by deviation method
 A) $\sum X_i / N$ B) $\frac{N}{\sum X_i}$ C) $A + \frac{\sum(X_i - A)}{N}$ D) $A + \frac{\sum(X_i + A)}{N}$
15. All the bars in a bar graph has
 A) same length B) same width C) same area D) equal value
16. The age of _____ period is called adolescence
 A) 13 – 19 B) 15 – 16 C) 19 – 25 D) 8 – 10
17. The first menstrual cycle termed as
 A) Adolescence B) menarche C) menopause D) pregnancy
18. The another name of endocrine glands are
 A) Duct glands B) Ductless glands C) Dry glands D) Waste glands

19. In Sterilization process _____ are killed
 A) Mosquitoes B) House flies C) Microbes D) All
20. We can study about the migrating birds by the way of
 A) Behavior B) Tagging C) Investigation D) Estimation
21. The animal which builds dams across water streams are
 A) Bears B) Elephants C) Beavers D) Rabbits
22. BCG is a vaccination to prevent the disease
 A) Chicken Pox B) Dengue C) Tuberculosis D) Swine flu
23. The animal which produce bad flavor to protect from predators is
 A) Grey Parrot B) Tasmanian Devil C) Dolphin D) Beaver
24. The scientific and objective study of animal behavior is called as
 A) Ecology B) Pathology C) Ethology D) Evolution
25. The following part is not related to female reproductive system
 A) Fallopian tubes B) Uterus C) Ovary D) Seminal ducts
26. Which of the following is not a common property of plastics?
 A) Durable B) Light in weight C) Non-reactive D) Good conductor of electricity
27. A normal human being can listen to sounds with frequency range
 A) 20 and 20,000 Hz B) Below 20 Hz C) Above 20,000 Hz D) 500 and 10,000 Hz
28. Which friction of the following is the highest?
 A) Sliding friction B) Rolling friction C) Static friction D) None of the above
29. A bird makes high pitch sound and a lion makes low pitch roar. Predict the reason
 A) Bird produces high frequency sound B) Lion produces high frequency sound
 C) Bird size small D) Lion size big
30. Petroleum was formed from organisms:
 A) living on the land B) living in the sea
 C) Living on the plants D) living on the rocks
31. A boy rolls a rubber ball on a wooden surface. The ball travels short distance before coming rest. To make the same ball travel longer distance before coming rest, he may
 A) Sprinkle talcum powder on the wooden surface.
 B) Sprinkle sand on the wooden surface.
 C) Cover the ball with a piece of cloth
 D) Spread a carpet on the wooden surface.
32. Which causes less pollution among the fuels that we use
 A) Kerosene B) LPG C) Dung cakes D) wood
33. Which of the following statements are correct?
 (i) Sound is produced by vibrations.
 (ii) Sound requires a medium for propagation.
 (iii) Light and sound both require a medium for propagation.
 (iv) Sound travels slower than light.
- A) i & ii only B) i, ii & iii only C) ii, iii & iv only D) i, ii & iv only

34. The loudness of sound exceedsis harmful for the ear.
 A) 80dB B) 60dB C) 50dB D) 55dB
35. The S.I unit of pressure is
 A) Newton/meter B) Newton/meter²
 C) Newton-meter D) Newton-meter²
36. Raju runs his toy car on dry marble floor, wet marble floor, newspaper and towel spread on the floor. The increasing order of force of friction acting on the car on different surfaces in will be:
 A) Wet marble floor, dry marble floor, newspaper and towel.
 B) newspaper, towel, dry marble floor and wet marble floor
 C) wet marble floor, dry marble floor, towel and news paper
 D) Towels, newspaper, dry marble floor and wet marble floor.
37. Which of the following statements is true?
 A) Kerosene is not a fossil fuel B) Coke is almost pure form of carbon
 C) CNG more polluting fuel than petrol D) Fossil fuels can be made in the laboratory
38. Increasing order of their time taken to degenerate.
 A) Plastic B) paper C) cotton cloth D) food stuff
 A) $A < B < C < D$ B) $D < B < C < A$ C) $B < A < C < D$ D) $D < B < A < C$
39. Refining is
 A) Extracting petroleum gas B) Separation of various fractions of petroleum
 C) Heating of coal D) Sedimentation of fossil fuel
40. . Plastics are used worldwide because
 A) They are light weight and easy to handle B) Strong and durable
 C) Non-reactive D) All the above
41. Which of the following pair is correct:
 i. Carbon dioxide: global warming.
 j. Toxic products released by paints : heart diseases
 iii. Coal fired power plants: harmful to human health and environment
 iv. Crude oil tanker ship accident in sea: damage to natural ecosystems
 A) i & ii only B) iii & iv only C) i, ii & iii only D) ii, iii & iv only
42. Which of the following pair is incorrect about rusting of metals:
 A) Iron – brown B) Magnesium – blue C) Silver jewellery – black D) Copper vessels – dull green
43. Example of friction that shows friction is good
 A) Brakes used on a bike B) Tires from a car on the road
 C) Tread on the bottom of your shoes D) All the above
44. Four children were asked to arrange forces due to rolling, static and sliding frictions in a decreasing order. Their arrangements are given below. Choose the correct arrangement.
 A) Rolling, Static, Sliding B) Sliding, Static, Rolling
 C) Rolling, Sliding, Static D) Static, Sliding, Rolling

45. Biography is a life history of a person written by
 A) Self B) Others C) Both D) None
46. Rachna is _____ than her sister
 A) tall B) taller C) tallest D) more tall
47. Birds didn't _____ in the sky
 A) flew B) fly C) flying D) flown
48. The noun form of travel is
 A) Trival B) Traveler C) traveled D) try
49. Hi, I have seen you before. _____?
 A) Amn't I B) Aren't I C) Haven't I D) None
50. She helped me. [Change to Yes/ No Question]
 A) Did she help me? B) Do she helped me? C) Does she helped me? D) None
51. Besides these he is a person with kind heart(Change the underlined part into COMPOUND ADJECTIVES)
 A) Heart kinded person B) Person heart kinded C) Kind hearted person D) None
52. He is good _____ mathematics.
 A) In B) at C) with D) for
53. My father is _____ university professor.
 A) An B) a C) the D) little
54. Tirupati is a famous religious place. It is in Andhra Pradesh (Rewrite with noun Phrase in apposition)
 A) Tirupati, a famous religious place, is in Andhra Pradesh
 B) Tirupati is in Andhra Pradesh
 C) Tirupati is a famous religious place, it is in Andhra Pradesh
 D) None
55. Name of the Nokia's mobile operating system
 A) Android B) Windows C) Symbian D) JAVA
56. Who is father of computer?
 a) Wright Brothers B) Einstein C) Charles Babbage D) Steve Jobs
57. Who is the founder of Facebook?
 a) Steve Jobs B) Mark Zuckerberg C) John Logie Baird D) Sunder Pichai
58. What is the full form of VIRUS?
 a) Viral Information Resources Under Surgical
 b) Viral Informative Resources Under Surge
 c) Viral Important Resources Under Seige
 d) Viral Information redundant Under Surge
59. How many bytes is a KiloByte (KB)?
 a) 1024 B) 128 C) 18 D) 1164

60. The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is:
A) 1 B) 2 C) 3 D) 4
61. The banking facility that helps us to make payments from our bank account without actually carrying money with us
A) Debit card B) ATM C) Net banking D) Debit card
62. Machines used for paddy harvest
A) Tractor B) Combined Harvester C) Plougher D) Seeder
63. The word “Ryot” means
A) Peasants B) Cultivator C) Zamindars D) landlords
64. First world war took place in the year:
A) 1914-1920 B) 1913-1919 C) 1914-1919 D) None of the above
65. Annie Beasant launched a movement called “Home Rule” with the help of
A) MK Gandhi B) Bal Gangadhar Tilak C) Lala Lajpat Rai D) Bipin ChandraPal
66. The first-all India struggle against the British was
A) Home Rule B) Rowlatt Satyagraha
C) National Indian Movement D) Non-Cooperation movement
67. A form of government where people enjoy equal political rights, elect their representatives to make laws and run the government
A) Secular B) Justice C) Monarchy D) Democratic
68. The type of government at district level is: ()
A) Assemblies B) Panchyat Raj System C) Parliament D) None of above
69. Match the following guiding values of government:
a) Sovereign i) Government will not favor any religion
b) Republic ii) People have the supreme right to make decision
c) Fraternity iii) Head of the state is an elected person
d) Secular iv) People should live like brothers and sisters
- A) a-ii,b-iv,c-i,d-iii
B) a-iii,b-i,c-ii,d-iv
C) a-iii,b-ii,c-iv,d-i
D) a-iv,b-ii,c-iii,d-i
70. Representatives of Rajya Sabha
A) Lok Sabha members
B) State legislative assemblies only
C) State legasitove assemblies and Union territroies
D) Prime Minister

క్రింది పదాలను కలిపి, సంధి పేరు రాయండి

71. నాలుగు + ఐదు =

72. పగలు + పగలు =

క్రింది ప్రకృతి పదాలకు వికృతి పదాలు రాయండి

73. ముఖము

74. కృష్ణుడు

క్రింది సమాసాలకు విగ్రహవాక్యాలు రాసి సమాసం పేరు తెలపండి

75. ప్రకృతి సౌందర్యం

76. నాలుగు వేదాలు

.....

క్రింది కర్తరి వాక్యమును కర్మణి వాక్యముగా మార్చండి

77. ఆళ్వారు స్వామి 'చిన్నప్పుడే' అనే కథ రాసారు

.....
.....

క్రింది కర్మణి వాక్యమును కర్తరి వాక్యముగా మార్చండి

78. బాలురచే సెలవు తీసుకోబడింది

.....

క్రింది వాక్యాలలోని జాతీయాలకు సరిపోయే అర్థం గ్రహించండి

79. అజంతా గుహలోని కుడ్యచిత్రాలు నేటికీ చెక్కుచెదరలేదు

A) చెదిరిపోలేదు B) ఏమీ పాడుకాలేదు C) చెక్కబడలేదు D) శిథిలం కాలేదు

80. దొంగలు అజంతా గుహలో తలదాచుకున్నారు

A) తలను దాచుకున్నారు B) వస్తువులు దాచుకున్నారు C) ఆశ్రయం పొందారు D) నివసించారు

निम्नलिखित गद्यांश पढ़कर दिये गये प्रश्नों के उत्तर विकल्पों से चुनकर लिखिए ।

एक गाँव में एक धनी किसान रहता था । उसके पास बहुत सी ज़मीन थी । उसके यहाँ बहुत से आदमी काम कर रहे थे । उस किसान के दो लड़के थे । जब दोनों लड़के बड़े हो गये तो किसान ने उन्हें आधी-आधी ज़मीन बाँट दी । बड़ा लड़का बहुत सुस्त और आलसी था । वह कभी अपने खेतों को देखने तक नहीं जाता था ।

प्रश्न:-

81) किसान कैसा था ?

- A) मेहनती B) धनी C) होशियार D) गरीब

82) किसान के पास क्या थी ?

- A) सोना B) हीरे C) ज़मीन D) चाँदी

83) किसान के कितने लड़के थे ?

- A) एक B) दो C) तीन D) चार

84) किसान ने आधी-आधी ज़मीन किनको बाँट दी ?

- A) लड़कों को B) बहनों को C) भाईयों को D) लोगों को

85) 'गाँव' का विलोम शब्द क्या है ?

- A) देहात B) शहर C) ग्राम D) महानगर

निम्नलिखित प्रश्नों के उत्तर विकल्पों से चुनकर लिखिए ।

86) फटा दूध माखन नहीं बनता । (रेखांकित शब्द का तद्भव रूप पहचानिए) []

- A) मखन B) मक्खन C) मकान D) मक्का

87) माँ ने आत्मविश्वास के साथ कहा ।

(रेखांकित शब्द का पुं.लिंग रूप पहचानिए ।) []

- A) राजा B) माता C) बाप D) रानी

88) मुझे पंचतंत्र की कहानी पसंद है ।

(रेखांकित शब्द का वचन बदलिए ।) []

- A) कहानियाँ B) कहानियें C) कहाने D) कहानों

89) बारिश रुकने तक देर हो गयी ।

(रेखांकित शब्द का पर्यायवाची शब्द पहचानिए।) []

- A) वर्ष B) वर्षा C) सोम D) बादल

90) रामू घर में बहुत खेलता है । क्रिया विशेषण शब्द को पहचानिए । []

- A) रामू B) घर C) बहुत D) खेलता

SECTION - II

91. The sum of two numbers is 29 and one number exceeds another by 5. Find the Numbers

- A) 7, 12 B) 12, 17 C) 15, 14 D) 17, 22

REASON:

92. What will be the least number which when doubled will be exactly divisible by 12, 18, 21 and 30?

- a) 196 B) 630 C) 1260 D) 2520

REASON:

93. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

- a) 810 B) 1440 C) 2880 D) 50400

REASON:

94. A number consists of two digits. If the digits interchange places and the new number is added to the original number, then the resulting number will be divisible by:

- a) 3 B) 5 C) 9 D) 11

REASON:

95. The metal reacting extremely fast with cold water is _____.

- A) Gold B) Silver C) Sodium D) Magnesium

REASON:

96. Area of a trapezium is 352 cm^2 , Length of one parallel side is 25 cm and distance between two parallel sides is 16 cm. Find the length of the other parallel sides

- A) 14 cm B) 12 cm C) 19 cm D) 21 cm

REASON

97. The mode of 10, 12, 11, 10, 15, 20, 19, 21, 11, 9, 10

- A) 12 B) 11 C) 10 D) 15

REASON

98. Hema is 24 years elder to her daughter Damini. If the Hema age is 3 times to that of Damini, then Damini is age is

- A) 28 B) 12 C) 16 D) 14

REASON

99. $\sqrt{625} + \sqrt{441} = ?$

- A) 47 B) $\sqrt{1066}$ C) 46 D) 45

REASON

100. Find the odd man out

3, 5, 7, 12, 17, 19

- a) 19 B) 17 C) 5 D) 12

REASON