

RAMAANYA TALENT SCHOLARSHIP EXAMINATION

रामन्या प्रतिभा छात्रवृत्ति परीक्षा 2021–22

General Instructions:

MARK– 80

TIME– 90 MINTUES

CLASS – 7

- All questions are Objective types.
- All questions are compulsory.
- Each question carries 1 Marks.
- Four options are given for each question.
- No Negative mark for wrong questions.
- Choose the correct option and indicate it by blackening the appropriate circle [●] in the answer sheet.

MATH

1. An elevator descends into a mine shaft at the rate of 6m/min. If the descent starts from 10m above the ground level, how long will it take to reach – 350 m.

(a) 0 hours (b) 1 hours (c) 1/2 hour (d) 2 hour

2. A vehicle covers a distance of 43.2 km in 2.4 litres of Petrol. How much distance will it cover in one litre of petrol ?

(a) 12 km (b) 16 km (c) 18 km (d) 20 km

3. The number of times an observation occurs in a data is called its

(a) Range (b) Internal (c) Frequency (d) Raw data

4. Write the statements "If you subtract 5 from 6 times a number , you get 7" in the form of equations

(a) $5x - 7 = 0$

(b) $3x - 11 = 34$

(c) $6x + 5 = 14$

(d) $6x - 5 = 7$

5. Which of the following Pairs can form a linear Pair ?

(a) Pair of supplementary angles

(b) Pair of complementary angle

(c) Pair of adjacent angles

(d) Pair of vertically opposite angles

6. ΔABC is right angled at C. If $AC = 5$ cm & $BC = 12$ cm find the length of AB.

(a) 10 cm

(b) 12 cm

(c) 5 cm

(d) 13 cm

7. Find the mean if the sum of 18 observations is 90.

(a) 4

(b) 5

(c) 6

(d) 9

8. A school team won 6 games this year against 4 games won last year. What percent did they increase?

(a) 50

(b) 40

(c) 30

(d) 20

9. The product of two numbers is $-\frac{20}{9}$. If one of the number is 4, find the other.

(a) $-\frac{5}{9}$

(b) $\frac{3}{11}$

(c) $\frac{12}{89}$

(d) $-\frac{9}{11}$

10. In ΔRST , $R = 5 \text{ cm}$ and $\angle SRT = 45^\circ$ and $\angle RST = 45^\circ$. Which criterion can be used to construct $\Delta RST = ?$

(a) A. S. A criterion

(b) S. A. S criterion

(c) S. S. S criterion

(d) R. H. S criterion

11. In ΔXYZ , X, Y and Z denote the three sides. Which of the following is incorrect ?

(a) $X - Y > Z$

(b) $X + Z > Y$

(c) $X - Y < Z$

(d) $X + Y > Z$

12. One of the sides and the corresponding height of a parallelogram are 3 cm and 1 cm respectively. The area of the parallelogram is

(a) 1 cm^2

(b) 3 cm^2

(c) 6 cm^2

(d) 12 cm^2

13. What is the value of $5x^{25} - 3x^{32} + 2x^{-12}$ at $x = 1 = ?$

(a) $x^2 + (a - b)x + ab$

(b) $x^2 + (a + b)x - ab$

(c) $x^2 + (a + b)x - ab$

(d) $x^2 + (a + b)x + ab$

14. Express in standard form of 15260000

(a) 1.526×10^7

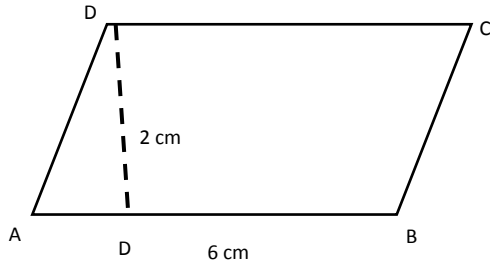
(b) 1.52×10^5

(c) 15.260×10^6

(d) 152.6×10^7

15. What cross – section do you get when you give a horizontal cut to an ice –cream cone ?
- (a) Triangle (b) Circle (c) Rectangle (d) Square
16. In which of the following cases can a triangle be constructed?
- (a) Measure of three sides are given.
(b) Measures of two sides and an included angle are given.
(c) Measures of two angles and the side between them are given.
(d) All the above
17. A Given $AB = 3\text{ cm}$, $AC = 5\text{ cm}$, and $\angle B = 30^\circ$, ΔABC cannot be uniquely constructed, with AC as base, why?
- (a) Two sides and included angle are given
(b) The other two angles are not given
(c) The vertex B cannot be uniquely located.
(d) The vertex A coincides with the vertex C.
18. The number of vertices of a cube is
- (a) 8 (b) 12 (c) 6 (d) 3
19. Which of the following is the value of $\left(x + \frac{1}{x}\right)^2$?
- (a) $x^2 + \frac{1}{x^2}$ (b) $x^2 - \frac{1}{x^2}$ (c) $x^2 + \frac{1}{x^2} + 2$ (d) $x^2 + \frac{1}{x^2} + 2x$

20. Find the area of the following parallelogram



- (a) 6 cm^2 (b) 8 cm^2 (c) 12 cm^2 (d) 24 cm^2

SCIENCE

21. Organisms which prepare food for themselves using simple naturally available raw materials are referred to.

- (a) Heterotrophs (b) Autotrophs (c) Parasites (d) Saprophytes

22. In which of the statements is or are incorrect, about eating Habits of animals?

- (a) Animals that obtain their food by killing other animals, called scavengers.
(b) Organisms that obtain their food from other animals either by living inside or outside they are called parasite.
(c) Animals that consume plants as well as other animals as their food, called omnivorous.
(d) Animal that obtain their food only from plants, called herbivorous.

23. Which country is the world's Largest Producer of wool in the world?

- (a) India (b) Australia (c) South America (d) China

24. Wooden spoon is used to prepare vegetables because, its other end
- (a) Becomes hot due to conduction (b) Becomes hot due to convection
- (c) Does not become hot (d) A & B both
25. Which of the following sets of substances contains Acids?
- (a) Grapes, Lime water (b) Vinegar, Soap
- (c) Curd, milk of magnesia (d) Curd, vinegar
26. Which one of the following is a chemical change?
- (a) Twinkling of stars (b) Cooking of vegetables
- (c) Cutting of roots (d) Boiling of water
27. Which of the following climate found in Kerala?
- (a) Very hot and wet (b) Wet
- (c) Hot and dry (d) Moderately hot and Moderately dry
28. In which year was Orissa hit by a cyclone?
- (a) 1999 (b) 2000 (c) 2001 (d) 2004

29. Which of the following type of soil will form a colloidal solution when suspended in water?

- (a) Clay (b) Silt (c) Sand (d) Gravel

30. After heavy exercise due to the accumulation of which substance we get muscle cramps?

- (a) Malaic acid (b) Furmaric acid (c) Lipoic acid (d) Lactic acid

31. Which of the following is the main circulatory fluid in our body?

- (a) Plasma (b) Lymph (c) Blood (d) None of these

32. Vegetative propagation in potato takes, place by

- (a) Leaves (b) Stem (c) Root (d) Seed

33. The speed of a car is 40 km/h. What is time taken to reach from one city to another city of the distance between the two cities is 480 km.

- (a) 10 hours (b) 11 hours (c) 14 hours (d) 12 hours

34. An electric wire connected in a circuit gets heated up when current is allowed to flow through it this is due to.
- (a) Heating effect of current (b) Electrical effect of current
(c) Musical effect of current (d) Optical effect of current
35. On which day the world water day is celebrated?
- (a) 23rd march (b) 22nd march
(c) 22nd march (d) none of these
36. Period 2005-2015 Ed being celebrated as the international decade for action on
- (a) Water for life (b) Education for all
(c) Global war (d) Terrorism
37. Which one of the following contains hemoglobin?
- (a) RBC (b) WBC (c) Platelets (d) None of these
38. Reproduction through spore formation takes place in
- (a) Fern (b) Algae (c) Fungi (d) Yeast
39. Which factor influences soil formation?
- (a) Climate (b) Vegetation (c) Parent rock (d) All of these

40. On the earth, the winds from the north and the south blow towards the equator. What we understand from this?

- (a) Earth is round or spherical in shape
- (b) It is hotter in and around the equator.
- (c) It is hotter in and around the north and the south
- (d) Wind does not flow from the east or the west

ENGLISH

41. The hermit was widely known for his

- (a) Strength
- (b) Wisdom
- (c) ill temper
- (d) Rudeness

42. What is relation of Tapi with Mridu's?

- (a) Mother
- (b) Sister
- (c) Grandmother
- (d) Aunt

43. "Why is your face half – shaven?" who asked whom?

- (a) Gopal's wife to Gopal
- (b) Gopal's friend to Gopal
- (c) Emperor to Gopal
- (d) Senapati to Gopal

44. In Japan the sun is called-

(a) O Tenta Sama (b) Tomo O Sana (c) O Tenta Soma (d) None of these

45. Who was the Author of "Quality"?

(a) D.J. Enright

(b) William Elliot Griffins

(c) Frank Flynn

(d) John Galsworthy

46. Who is the author of "Expert Detectives" ?

(a) Vasantha Surya

(b) Sharada Dwivedi

(c) John Galsworthy

(d) William Elliot Griffins

47. Mr. Wonka collects items from the oldest things to make.

(a) A mixture

(b) A solution

(c) A drug

(d) An experiment

48. The temperature at which every fuel burns is called :-

(a) The flash point

(b) The fine point

(c) The Heat point

(d) All of these

49. The bicycle , showed spirit implies

(a) Perfectly repaired

(b) Shows signs of recovery

(c) Ghosts entered

(d) Dismantled bicycle

50. The 'Laws of cricket' were down up in

(a) 1740

(b) 1744

(c) 1741

(d) 1742

51. Kari was treated like a :

(a) Son

(b) Pet

(c) Daughter

(d) Baby

52. An oasis in the desert is like a

(a) Comfort

(b) Green island

(c) Pearls

(d) A & B both

53. It was not possible for soapy to survive in the city through the-----.

(a) Summer

(b) Winter

(c) Spring

(d) autumn

54. Golu asked the hippopotamus why his eyes were always_____.

(a) So red

(b) So blue

(c) So Brown

(d) So white

55. The father said to his son. "Health is wealth". (Read the sentence in direct speech and change them into indirect speech).

- (a) The father told his son that health was wealth.
- (b) The father told his son that health is wealth.
- (c) The father asked his son if the health was wealth.
- (d) The father told his son that health will be wealth.

56. She said to me, "I can't help you in this matter".

(Read the sentence in direct speech and change them into indirect speech)

- (a) She asked me if she can't help me in that matter.
- (b) She told me that I can't help here in that matter.
- (c) She told me that She could not help me in that matter.
- (d) She told me that she could help me in this matter.

57. _____ Rich should help _____ Poor. (Choose Article)

- (a) A, the
- (b) The, The
- (c) A, an
- (d) An, the

58. Our country is spiritual _____ religious country.

- (a) is
- (b) are
- (c) also
- (d) and

59. Choose the Passive Voice- "I see a film".

(a) A film was seen by me.

(b) A film is seen by me.

(c) A film was seen to me.

(d) A film will be seen by me.

60. Leaves are falling _____ the trees.

(a) from

(b) off

(c) by

(d) of

GENERAL KNOWLEDGE

61. In which year Jharkhand was formed as a separate state?

(a) 1998

(b) 2000

(c) 2001

(d) 2003

62. Who established the Jamshedpur city?

(a) JN Tata

(b) Dorabji Tata

(c) Ratan Tata

(d) Nusserwanji Tata

63. Who was the first chief minister of Jharkhand?

(a) Shibu Soren

(b) Babulal Marandi

(c) Arjun Munda

(d) Madhukoda

64. "Dhumkuria" social organization belongs to which tribal community?

- (a) Oraon (b) kurukh (c) Munda (d) Santhal

65. Which one is the highest mountain peak of Jharkhand?

- (a) Netarhat (b) Trikut (c) Parasnath (d) Tagore Hill

66. The Jagannath Temple in Ranchi was established by-

- (a) Ram Shah (b) Raghunath Shah (c) Aninath Shahdeo (d) DurJamsal

67. When was the chotanagpur tenancy act enforced?

- (a) 1907 (b) 1908 (c) 1909 (d) 1910

68. When did the santhalpargana tenancy Act came into force?

- (a) 1857 (b) 1862 (c) 1867 (d) 1876

69. Which of the following is the largest producer of Alloy state in India?

- (a) Bokaro (b) Bhilai (c) Durgapur (d) Rourkela

70. Betla National park is reserved for?

- (a) Deers (b) Lions (c) Bird and aquatic animals (d) None of these

71. When was the first aluminum industry established in Jharkhand?

- (a) 1937 (b) 1950 (c) 1985 (d) 1934

72. Total number of Legislature Unicameral in Jharkhand?

- (a) 81 (b) 85 (c) 92 (d) None of these

73. The Number of wildlife sanctuaries in Jharkhand?

- (a) 9 (b) 5 (c) 3 (d) None of these

74. When was the production of iron steel started in Jharkhand?

- (a) 1907 (b) 2015 (c) 1813 (d) 2000

75. Which is the most developed area of Jharkhand agriculture?

- (a) Lower gold gate
(b) Agricultural region of the Ranchi plateau
(c) North eastern marginal agricultural region
(d) Agricultural region of Hazaribagh plateau

76. Which of the following is state flower of Jharkhand?

- (a) Lotus (b) Kopuphul (c) Palash (d) Orchid tree

77. Which of the following rocks are called "Metallic Reserves"?

- (a) Dharwadyugene (b) Apatite Rock phosphate (c) Silver ore (d) Cobalt

78. Which district of Jharkhand has lowest male literacy?

- (a) Giridih (b) Ramgarh (c) Chatra (d) Pakur

79. Which of the following river of Jharkhand has got Stone Age tools in Deoghar?

- (a) Gandak (b) Ganges (c) Damodar River (d) Brakar River

80. "Rescue and Cultures of India", there is an information about of santhal tribe,

Which author is associated with this book?

- (a) Imtiaz Ali (b) Sriram Dalton (c) D.N.Majumdar (d) Imran zahid

