

# RAMAANYA TALENT SCHOLARSHIP EXAMINATION

रामन्या प्रतिभा छात्रवृत्ति परीक्षा 2021–22

## General Instructions:

MARK– 80

- 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.

TIME– 90 MINTUES

CLASS – 8

## ENGLISH

1. January 25,1915: was the date on which...  
(A) the narrator pulled out the drawers  
(B) jim’s letter came to connie  
(C) jim wrote the letter  
(D) jim wrote the letter
2. Who is the poet of “The Ant and the Cricket”?  
(A) Zulfikar Ghosh  
(B) Rabindranath Tagore  
(C) Aesop’s Fables  
(D) William Blake
3. The worst sufferers under the British rule were?  
(A) Who served in east India company  
(B) The business community  
(C) The religious leaders  
(D) The poor farmers and artisans
4. Who write the letter to Bepian Babu ?  
(A) Chuni Lal  
(B) Physician  
(C) Mr. Dines  
(D) Parmod

5. By climbing the summit of Everest you are overwhelmed by a deep sense of Joy and thankfulness. It is a joy which lasts a lifetime. The experience changes you completely, the man who has been to the mountains is never the same again. ? 'you in the passage can be replaced by
- (A) The climber  
(B) The reader  
(C) Rawat  
(D) The author
6. Penny felt hemmed in?
- (A) When he killed the doe  
(B) When jody proposed to bring the fawn home  
(C) When jody asked him how he was feeling  
(D) When the fawn was brought home.
7. Through the mist Bijju is calling to his sister. I call him running about on the hillside but I cannot see him. The passage is written by?
- (A) Satyajit Rai  
(B) Ravindranatah Tagore  
(C) Nathaniel Hawthorne  
(D) Ruskin Bond
8. The Name of the little boy whose mother told him the story of the stone face was -----
- (A) Ernest  
(B) Johan  
(C) Hullary  
(D) Joseph
9. The Djinn came to the Panchayat ?
- (A) With a loud noise  
(B) Riding on a horse  
(C) Rolling in the dust  
(D) Come down from the sky above
10. Some children help their family
- (A) In day to day work  
(B) Keeping house clean  
(C) Make a livelihood  
(D) None of these

11. Who is the writer of the story 'The selfish Giant'?
- (A) Rudyard Kipling (B) Oscar Wilde  
(C) T.S. Eliot (D) Paulo Coelho
12. Hafeez joined Jaihind college in----- ?
- (A) Calcutta (B) Bombay  
(C) Madras (D) Shimla
13. What did the little bird said to the princess September?
- (A) Would you care to have me in place of parrot?  
(B) Would you provide some meals to me?  
(C) Would you give some place in your room?  
(D) Do you like my song?
14. This is my pool; I didn't invite you here who says this?
- (A) Ranji (B) The other boy  
(C) Ranji's parents (D) None of these
15. I ..... My work before he come. (Finish)
- (A) had finished (B) have been finished  
(C) will finish (D) was finished
16. Yesterday when I ..... (go) to see my friend I.....(find) his locked.
- (A) gone, found (B) went, found  
(C) went, finding (D) had gone, had find
17. Select the wrong sentence.
- (A) The scenery here is very good  
(B) We discussed the matter yesterday  
(C) She request for my help  
(D) He gave me some advice

18. In which sentence conjunction is not used?
- (A) God made the country and manmade the town
  - (B) She must weep or she will die
  - (C) This is the house that Mohammd Tanvir built
  - (D) Our hoard is little , but our hearts are great
19. Who said “We are sorry for the death of your beautiful parrot” ?
- (A) King
  - (B) Queen
  - (C) Sisters
  - (D) Neighbors
20. Which member of the smith’s family recognized it was a Tsunami?
- (A) Peeny Smith
  - (B) Coulim Smith
  - (C) Tily Smith
  - (D) None of the above

### **SCIENCE**

21. Which of the following should be used by a farmer with a larger form to harvest his crops quickly and efficiently?
- (A) Winnowing machine
  - (B) Combine
  - (C) Sickle
  - (D) Seed drill
22. Scientist who discovered fermentation is
- (A) Alexander Fleming
  - (B) Louis Pasteur
  - (C) John Mendel
  - (D) Edward Jenner

23. In which year was nylon made?

- (A) 1931      (B) 1964      (C) 1948      (D) 1950

24. The metals that produce ringing sounds are said to be

- (A) Sonorous      (B) Malleable      (C) Lustrous      (D) Hard

25. In which of the following places natural gas has not been formed in India?

- (A) Tripura      (B) Jaisalmer      (C) Mumbai      (D) Delhi

26. Which is non-renewable source of energy?

- (A) Natural gas      (B) Wind energy  
(C) Tidal energy      (D) Mechanical energy

27. Variety of organisms existing on the earth their interrelationships and their relationship with the environment is called?

- (A) Diversity      (B) Biosphere      (C) Biology      (D) Biodiversity

28. Which of the following statement is correct?

- (A) A cell the smallest unit of life which has definite structure and performs a specific function.  
(B) The group of cells which work together to perform a particular function is called a tissue.

- (C) An organ is a collection of different tissue which work together to perform a particular function in the body of an organism.
- (D) All the above.

29. Internal fertilization takes place.

- (A) Inside male body
- (B) Inside female body
- (C) Outside female body
- (D) Outside male body

30. Children gain height during.

- (A) Adolescence
- (B) Endocrine
- (C) Balanced food
- (D) Menarche

31. The force between two charged bodies is called .

- (A) Muscular force
- (B) Gravitational force
- (C) Magnetic force
- (D) Electrostatic force

32. Whenever the surfaces in contacted to move or move with respect to each other, the force of friction comes in to play ?
- (A) Only if the objects are solid.
  - (B) Only if one of the two objects is liquid.
  - (C) Only of one of the two objects or gaseous.
  - (D) Irrespective of whether the objects are solid, liquid or gaseous.
33. Which one of the following statements is correct regarding rods and cones in the human eye ?
- (A) Cones are sensitive to dim light
  - (B) Cones are sensitive to bright light
  - (C) Rods are sensitive to bright light
  - (D) Rods can sense colour
34. Consider the following statements about weeding and identify the incorrect one.
- (A) Weeding is best done during tilling itself.
  - (B) Weeding is the process of growing weed.
  - (C) Weeding is the Process of removal of weeds.
  - (D) Weeding is usually done manually or by using weedicides.
35. Rhizobium bacteria
- (A) Help in digestion
  - (B) Help in nitrogen fixation
  - (C) Cause disease
  - (D) All of these
36. Polymers are made up of small units called.
- (A) Layers
  - (B) Molecules
  - (C) Cells
  - (D) Monomers

37. The property of metal by which it can be drawn into wires is called

(A) Ductility

(B) Decorating

(C) Malleability

(D) Conductivity

38. Name the Petroleum product used for surfacing of roads.

(A) Butane (B) Anthracite (C) Bitumen (D) Hydrocarbon

39. Which gas helps in the process of combustion:

(A) Cooking gas

(B) Nitrogen gas

(C) Oxygen gas

(D) Produce gas

40. Species of plants and animals which are found exclusively in a particular area are called.

(A) Endemic species

(B) Exotic Species

(C) Local species

(D) Specific Species

### **MATH**

41. Which of the following lies between and - ?

(A) 0

(B) -3

(C)  $-\frac{2}{9}$

(D)  $\frac{4}{3}$

42. The perimeter of a rectangle is 13cm and its width is  $2\frac{3}{4}$  cm. Find its length
- (A)  $4\frac{3}{3}$  (B)  $3\frac{3}{4}$   
(C)  $2\frac{3}{4}$  (D) None of these
43. Which of the following quadrilaterals has a pair of opposite parallel?
- (A) Rhombus (B) Trapezium  
(C) Kite (D) Rectangle
44. Polygon that have no portions of their diagonals in their exteriors are called.
- (A) Squares (B) Triangles  
(D) Convex (D) Concave
45. Tally marks are used to find which of the following?
- (A) Frequency (B) Lower limits  
(C) Upper limits (D) Class marks
46. The square of which of the following would be even number ?
- (A) 2826 (B) 7779  
(C) 1057 (D) 131
47. By which smallest natural number 392 must be multiplied so as to make the product a perfect cube?
- (A) 2 (B) 14  
(C) 7 (D) 49
48. On which figure the VAT of a product is calculated?
- (A) S.P (B) C.P  
(C) Market price (D) None of these

49. If  $a+b+c=9$  and  $ab+bc+ca=26$  then the value of  $a^3+b^3+c^3-3bc$  is
- (A) 29 (B) 27  
(C) 729 (D) 495
50. Use suitable identity to evaluate  $99^2$ .
- (A) 9801 (B) 10199  
(C) 10201 (D) 10001
51. Which of the following is a triangular pyramid having all the faces as equilateral triangle?
- (A) Rectangular pyramid (B) Square pyramid  
(C) Tetrahedron (D) None of these
52. In a quadrilateral, half of the product of the sum of the lengths of parallel sides and the parallel distance between them gives the area of?
- (A) Rectangle (B) Parallelogram  
(C) Triangle (D) Trapezium
53. A cuboid is of dimension 60 cm x 54cm x 30cm. How many small cubes with side 6cm can be placed in the given cuboids?
- (A) 340 (B) 450  
(C) 340 (D) 650
54. The approximate distance of moon from the earth is 384,467,000 m and in exponential form. This distance can be written as ?
- (A)  $3.84.467 \times 10^8$ m (B)  $384,467 \times 10^8$ m  
(C)  $384.467 \times 10^{-9}$  m (D)  $3.844,67 \times 10^{-13}$ m
55. The factors of  $\sqrt{3}x^2 + 11x + 6\sqrt{3}$  are

- (A)  $(x - 3\sqrt{3}) (\sqrt{3}x + 2)$   
 (B)  $(3\sqrt{3} + 6\sqrt{3}) (3\sqrt{3} + 6\sqrt{3})$   
 (C)  $(x + 3\sqrt{3}) (\sqrt{3}x + 2)$   
 (D) None of these

56. A garrison of 300 had provision of food for 50 days . A reinforcement of 200 men arrived. Find the number of days for which the food will last ?

- (A) 30 (B) 20  
 (C) 40 (D) None of these

57. If the weight of 12 sheets of thick paper is 40 grams. How many sheets of the same paper would weight 2500 grams?

- (A) 750 (B) 800  
 (C) 850 (D) 950

58. Factorise:  $6xy - 4y + 6 - 9x$  ?

- (A)  $(2y - 3)$  (B)  $(3x - 2)$   
 (C)  $(3x - 2)(2y - 3)$  (D)  $(2x - 3)(3y - 2)$

59.  $13 \times 10^{-7}$  km is the standard form of which of the following ?

- (A) 0.000000013 Km (B) 0.0000013 Km  
 (C) 0.0000000000 13 Km (D) 0.000000000013 Km

60. 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)  $-\frac{9}{11}$

### GENERAL KNOWLEDGE

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

(a) 1998      (b) 2000      (c) 2001      (d) 2003

62. Who establishes the Jamshedpur city ?

(a) JN Tata    (b) Dorabji Rata    (c) Ratan Tata    (d) Nusserwanji Tata

63. Who was the first chief minister of Jharkhand ?

(a) Shibu Soren    (b) BabulaMarandi    (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) AninathShahdeo      (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) 1913      (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