TALENT SEARCH EXAMINATION

Class: **Date:**

Reg. No.

Instructions:

1. Duration of the test is 60 minutes.

2. This questions paper contains 50 questions carrying 2 marks each.

3. A cool off time of 10 minutes will be provided.

4. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.

5. Each correct answer carries 2 marks and for each wrong answer 1/2 mark will be deducted. No negative mark for unattended questions.

6. Rough work can be done anywhere in the booklet but not on the OMR sheet/loose paper.

TM

break for a change

The questions:

- 1 to 6 are based on English,

- 7 to 13 are based on Science,

- 14 to 20 are based on Mathematics,

- 21 to 35 are based on GK and Current affairs and

- 36 to 50 are based on Logical reasoning and mental ability.

1. Choose the correct passive form

   One must keep one's promises.

      a. One's promises should be kept.

      b. Ones promises must kept by one.

      c. Ones promises were kept.

      d. One's promises must be kept.

2. Choose one word for an independent person or body officially appointed to settle a dispute.

      a. Arbiter

      b. Mediator

      c. Agent provocateur

      d. Arbitrator

3. What does the given idiom mean?

   To drive home

      a. To find one's roots

      b. To return to place of rest

      c. Back to original position

      d. To emphasise

4. Choose the correct reported speech

   He said to me, "I have often told you not to play with fire."

      a. He said that he has often been telling me not to play with fire.

      b. He told me that he had often told me not to play with fire.

      c. He reminded me that he often said to me not to play with fire.

      d. He said to me that he often told me not to play with fire.

5. The national unity of a free people

   P: to make it impracticable

   Q: for there to be an arbitrary administration

   R: depends upon a sufficiently even balance of political power

   S: against a revolutionary opposition that is irreconcilably opposed to it

The proper sequence should be:

    a) QRPS

    b) QRSP

    c) RPQS

    d) RSPQ

Read the following poem carefully.

<div align="center">

Fame is a food that dead men eat,

I have no stomach for such meat.

In little light and narrow room,

They eat in the silent tomb.

With no kind voice of comrade near To bid the feaster be of cheer.

But friendship is a noble thing,

Of friendship it is good to sing.

For truly when a man shall end,

He lives in memory of his friend,

Who doth his better part recall,

And of his fault make funeral.

</div>

6. In the last line of the above poem the poet wants to convey that

    a. one should believe in friendship

    b. the faults of a man are highlighted by his friend after his death

    c. the faults of a man are forgotten by his friend after his death

    d. one should not run after fame and friendship.

7. Which of the following is used in pencils?

    a. Graphite

    b. Silicon

    c. Charcoal

    d. Phosphorous

8. Light year is a unit of

    a. Time

b. Distance

c. Light

d. Intensity of light

9. Sound travels at the fastest speed in

   a. Steel

   b. Water

   c. Air

   d. Vacuum

10. The most electronegative element among the following is

    a. Sodium

    b. Bromine

    c. Fluorine

    d. Oxygen

11. Plants have _____ while animals lack it.

    a. Starch

    b. Cellulose

    c. Protein

    d. Fat

12. Pigmentation of skin is due to

    a. Lymphocytes

    b. Monocytes

    c. Leucocytes

    d. Melanocytes

13. What is laughing gas?

    a. Nitrous Oxide

    b. Carbon monoxide

    c. Sulphur dioxide

    d. Hydrogen peroxide

14. A man travels from a point to other. The first 100 km he travels at a speed of 25 kmph. The next 80 km he travels at a speed of 40 kmph. The last 120 km he travels at a speed of 20 kmph. What is the average speed of his journey?

    a. 25 kmph

    b. 33 kmph

    c. 22 kmph

    d. 28 kmph

15. Sai travels from her house to office at a speed of 50kmph. She suddenly returns home at a speed of 40kmph. What is her average speed?

    a. 45 kmph

    b. 44.4 kmph

    c. 43.6 kmph

    d. 44 kmph

16. A train of length 200m crosses a platform of length 150m at a speed of 72kmph. How long will the train take to cross the platform?

    a. 2.7 s

    b. 2.08 s

    c. 10 s

    d. 17.5 s

17. Two trains A and B of length 200m and 300 are travelling at a speed of 66 kmph and 30 kmph respectively in same directions. How long will they take to cross each other?

    a. 5.2 s

    b. 50 s

    c. 7.5 s

    d. 16.6 s

18. It took 40 days to build 10 buildings. How long will it take to build 50 buildings using same number of employees?

    a. 200 days

    b. 500 days

    c. 145 days

    d. 190 days

19. 40 men are required to complete 20 buildings. How many men are required to build 50 buildings in the same time?

    a. 150 days

    b. 200 days

    c. 75 days

    d. 100 days

20. If 20 men can do the work in 40 days, how many men are required to do the same work in 10 days?

    a. 100

    b. 60

    c. 80

    d. 70

21. The Indian Botanical Garden is located at

    a. Delhi

    b. Allahabad

    c. Kolkata

    d. Lucknow

22. India and Sri Lanka are separated by the ___

    a. Laccadive Sea

    b. Amchitka Pass

    c. Palk Strait

    d. Colvos Passage

23. Which was India's first technicolor film?

    a. Jhansi ki Rani

    b. Mirza Ghalib

    c. Raja Harishchandra

    d. Kisan Kanya

24. Vivipary is characteristic of

    a. xerophytes

    b. hydrophytes

    c. halophytes

    d. mesophytes

25. The biggest explosion seen in the universe since the Big Bang have recently been discovered using the Giant Metrewave Radio Telescope (GMRT). Where is the GMRT located?

    a. Cochin

    b. Pune

    c. Thiruvananthapuram

    d. Hyderabad

26. Union Government has approved to set up a Plastic Park in which city?

    a. Kochi

    b. Mangaluru

    c. Indore

    d. Ahmadabad

27. India's first indigenous helicopter was successfully flown in Bangalore on

    a. August 30, 1992

    b. August 30, 1982

    c. August 30, 1990

    d. None of the above

28. Google has allowed which social media app onto the Google Play Store, after it was removed in 2021?

    a. Sharechat

    b. Tiktok

    c. Parler

    d. Truth

29. In which year the first Nobel Prize was awarded?

a. 1864

b. 1983

c. 1901

d. 1980

30. Which country topped the medal tally in the 2022 Beijing Winter Olympics?

a. China

b. USA

c. Norway

d. Germany

31. Researchers have discovered "tubarial glands", in which part of the human body?

a. Throat

b. Liver

c. Lungs

d. Intestine

32. Which Indian State was earlier known as "Magadha"?
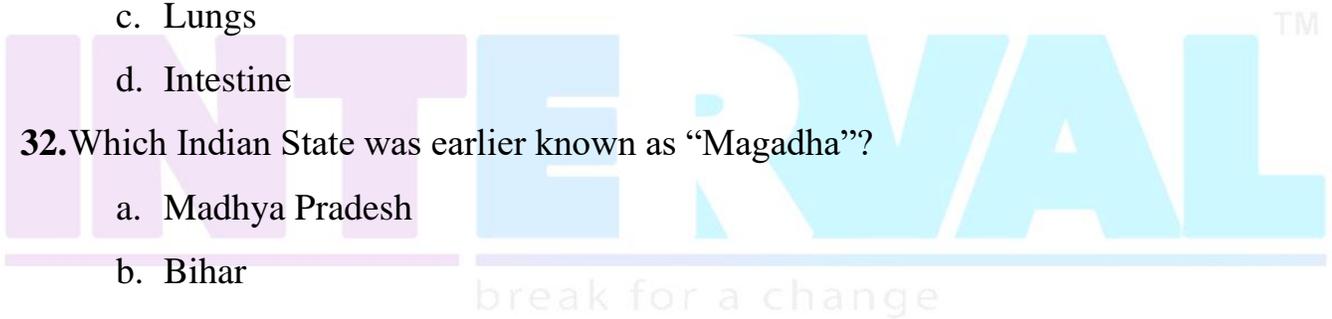
a. Madhya Pradesh

b. Bihar

c. Karnataka

d. Uttar Pradesh

33. Who is the father of English Poetry?

a. Milton

b. Wordsworth

c. Chaucer

d. Charles Dickens

34. In India the first television programme was broadcasted in

a. 1959

b. 1965

c. 1976

d. 1957

35. India's first Open Rock Museum is located in which city?

    a. Hyderabad

    b. Mysuru

    c. Trivandrum

    d. Varanasi

36. A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?

    a. 45

    b. 60

    c. 75

    d. 90

37. A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in:

    a. 4 days

    b. 6 days

    c. 8 days

    d. 12 days

38. A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:

    a. Rs. 2000

    b. Rs. 10,000

    c. Rs. 15,000

    d. Rs. 20,000

39. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years?

    a. 1 : 3

    b. 1 : 4

    c. 2 : 3

d. None of these

40. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

    a. 15

    b. 16

    c. 18

    d. 25

41. Three candidates contested an election and received 1136, 7636 and 11628 votes respectively. What percentage of the total votes did the winning candidate get?

    a. 57%

    b. 60%

    c. 65%

    d. 90%

42. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?
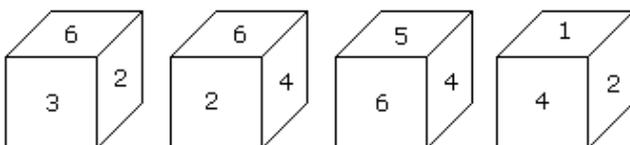
    a. Brother

    b. Uncle

    c. Cousin

    d. Father

43. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

    a. Brother

    b. Nephew

    c. Uncle

    d. Son-in-law

44. Which number is on the face opposite to 6?

a. 4

b. 1

c. 3

d. 2

45. 3, 10, 101, ?

    a. 10101

    b. 10201

    c. 10202

    d. 11012

46. In the series 2, 6, 18, 54, ... what will be the 8th term ?

    a. 4370

    b. 4374

    c. 7443

    d. 7434

47. 125, 80, 45, 20, ?

    a. 5

    b. 15

    c. 10

    d. 12

48. REASON : SFBTPO :: THINK : ?

    a. SGHMJ

    b. UIJOL

    c. UHNKI

    d. UJKPM

49. If South-East becomes North, North-East becomes West and so on. What will West

become?

    a. North-East

    b. North-West

    c. South-East

d. South-West

50. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

a. South-East
b. South
c. North
d. West

ANSWER KEY

1. d) One's promises must be kept.

2. d) Arbitrator

3. d) To emphasise

4. b) He told me that he had often told me not to play with fire.

5. d) RSPQ

6. c) the faults of a man are forgotten by his friend after his death

7. a) Graphite

8. b) Distance

9. a) Steel

10. c) Fluorine

11. b) Cellulose

12. d) Melanocytes

13. a) Nitrous Oxide

14. a) 25 kmph

15. b) 44.4 kmph

16. d) 17.5 s

17. b) 50 s

18. a) 200 days

19. d) 100 days

20. c) 80

21. c) Kolkata

22. c) Palk Strait

23. a) Jhansi ki Rani

24. c) halophytes

25. b) Pune

26. b) Mangaluru

27. a) August 30, 1992

28. c) Parler

29. c) 1901

30. c) Norway

31. a) Throat

32. b) Bihar

33. c) Chaucer

34. a) 1959

35. a) Hyderabad

36. d) 90

37. b) 6 days

38. c) Rs. 15,000

39. c) 2 : 3

40. b) 16

41. a) 57%

42. d) Father

43. a) Brother

44. b) 1

45. c) 10202

46. b) 4374

47. a) 5

48. b) UIJOL

49. c) South-East

50. d) West