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. The 'green eyed monster' means _____

   a) hatred

   b) love

   c) live

   d) jealousy

2. Angel has been sending English learning videos _____ July 14.

   a) since

   b) for

   c) from

   d) in

3. I said to him, "Why are you working so hard?"

   a) I asked him why he was working so hard.

   b) I asked him why was he working so hard.

   c) I asked him why had he been working so hard.

   d) I asked him why he had been working so hard.

4. A person who loves everybody

   a) Cosmopolitan

   b) Fratricide

   c) Altruistic

   d) Aristocrat

5. Select the pair which has the same relationship

   TEN: DECIMAL

   a) seven: septet

   b) four: quartet

   c) two: binary

   d) five: quince

6. Identify the wrong segment of the sentence

   The captain along with his team / are practicing very hard / for the forth coming matches.

a) The captain along with his team

b) are practicing very hard

c) for the forth coming matches

d) No Error

7. Which of the following is a non-metal that remains liquid at room temperature?

a) Phosphorous

b) Bromine

c) Chlorine

d) Helium

8. Decibel is the unit for

a) Speed of light

b) Radio wave frequency

c) Intensity of sound

d) Intensity of heat

9. Plants that grow in saline water are called

a) Halophytes

b) Hydrophytes

c) Mesophytes

d) Thallophytes

10. Myopia is connected with

a) Ears

b) Eyes

c) Lungs

d) None of these

11. The most malleable metal is

a) Platinum

b) Silver

c) Iron

d) Gold

12. Which of the following is the smallest microorganism?

    a) Algae

    b) Bacterium

    c) Protozoan

    d) Virus

13. Sound waves in air are

    a) Transverse

    b) Longitudinal

    c) Electromagnetic

    d) None of the above

14. Find the cube root of 216?

    a) 6

    b) 16

    c) 4

    d) 14

15. Salary of Alex was Rs. 20000. If the salary is decreased by 10 percent and then increased by 30 percent, what is the new salary of Alex?

    a) 25000

    b) 24000

    c) 23400

    d) 22800

16. Two numbers are in ratio 5 : 8. If their difference is 48, then the smaller number is :

    a) 80

    b) 96

    c) 128

    d) 64

17. Divide 640 in the ratio 2: 3: 5.

    a) 140,200,300

    b) 181,185,274

    c) 120,190,330

    d) 128,192,320

18. A plane travels 500 miles every 2 hours. How long will it take the plane to fly 2000 miles?

    a) 6 hours

    b) 8 hours

    c) 10 hours

    d) 4 hours

19. Kumar deposited Rs 2000 in a bank which pays 6% simple interest. He withdrew Rs 700 at the end of first year. What will be his balance after 3 years?

    a) ₹1590.4

    b) ₹1576

    c) ₹1580

    d) ₹1499.2

20. Two friends start from their home 300 m apart and walk towards each other at a speed of 2mps and 4mps. How long will they take to meet each other?

    a) 150 s

    b) 75 s

    c) 50 s

    d) 68 s

21. Google and NASA have joined hands to identify which two new planets around distant stars?

    a) Kepler 80g, Kepler 90i

    b) Kepler 90g, Kepler 80i

    c) Kepler 81g, Kepler 90i

    d) Kepler 90i, Kepler 82g

22. Fastest shorthand writer was

    a) Dr. G. D. Bist

    b) J.R.D. Tata

c) J.M. Tagore

d) Khudada Khan

23. Who among these is thought of as a Pioneer of Economic Nationalism?

   a) Madan Mohan Malviya

   b) R.C. Dutt

   c) Bipin Chandra Pal

   d) G.K. Gokhale

24. Kerala became the first state in the country to have STD and ISD facilities in all its villages in _____.

   a) 1993

   b) 1995

   c) 1997

   d) 1999

25. First human heart transplant operation conducted by Dr. Christiaan Barnard on Louis Washkansky, was conducted in

   a) 1967

   b) 1968

   c) 1958

   d) 1922

26. Which day is celebrated as International Day of People with Disabilities?

   a) 1 January

   b) 3 December

   c) 15 December

   d) 10 October

27. Which of the following measurements is not a unit of distance?

   a) Ammeter

   b) Cubit

   c) Parsec

   d) Angstrom

28. Lysergic acid diethylamide (LSD) is a drug used as a:

   a) Steroid

   b) Sedative

   c) Analgesic

   d) Hallucinogen

29. Lai Haroba is a dance related to which state?

   a) Madhya pradesh

   b) Andhra Pradesh

   c) Manipur

   d) Assam

30. What is the vedic name of river Chenab?

   a) Bipasa

   b) Askini

   c) Satudri

   d) Chandni

31. Which of the following is the name given to the illegal copy of software?

   a) Loader

   b) Bootleg

   c) Virus

   d) None of the Above

32. Who won the best director at the Oscars in 2022?

   a) Kenneth Branagh

   b) Paul Thomas Anderson

   c) Steven Spielberg

   d) Jane Campion

33. ISRO was formed in ……

   a) 1963

   b) 1969

   c) 1972

d) 1985

34. The famous book "The General Theory of Employment, Interest and Money" is written by

    a) J.B.Say

    b) J.M. Keynes

    c) AmartyaSen

    d) Carincross

35. 'Nusantara' is the new capital city of which country?

    a) Kazakhstan

    b) Malaysia

    c) Indonesia

    d) Turkmenistan

36. Barometer: Pressure

    Ammeter:

    a) Voltage

    b) Mass

    c) Current

    d) Resistance

37. A woman introduces a man as the son of the brother of her mother. How is the man related to the woman?

    a) Father

    b) brother

    c) Uncle

    d) None of the above

38. Prasannan said, "This girl is the wife of the grandson of my mother." Who is Prasannan to the girl?

    a) Father-in-law

    b) Father

    c) Uncle

d) Brother

39. In a certain code, COMPUTER is written as RFUVQNPC. How is MEDICINE written in the same code?

    a) EJJDJEFM

    b) EOJDJEFM

    c) EOJDFFEF

    d) EMFDJEFM

40. In the series, 6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 1 3 2 8 6

how many pairs of successive numbers have a difference of 2 each?

    a) 4

    b) 5

    c) 6

    d) 7

41. Find out the missing number in the following sequence?

1, 3, 3, 6, 7, 9, ?, 12, 21

    a) 9

    b) 12

    c) 13

    d) 15

42. QAR, RAS, SAT, TAU, _____

    a) UAV

    b) UAT

    c) TAS

    d) TAT

43. Which word does NOT belong with the others?

    a) leopard

    b) cougar

    c) elephant

    d) lion

44. The ratio between the speeds of two trains is 7 : 8. If the second train runs 400 km in 4 hours, then the speed of the first train is:

  a) 70 km/hr

  b) 75 km/hr

  c) 84 km/hr

  d) 87.5 km/hr

45. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work?

  a) 5

  b) 4

  c) 6

  d) 8

46. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is:

  a) 15

  b) 16

  c) 18

  d) 25

47. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

  a) 3.5 years

  b) 4 years

  c) 4.5 years

  d) 5 years

48. Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

  a) 3.6

  b) 6

c) 18

d) Cannot be determined

49. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

a) 1

b) 14

c) 20

d) 21

50. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

a) 2700

b) 2900

c) 3000

d) 3100

ANSWER KEY

1. d) jealousy

2. a) since

3. a) I asked him why he was working so hard.

4. c) Altruistic

5. c) two:binary

6. b) are practicing very hard

7. b) Bromine

8. c) Intensity of sound

9. a) Halophytes

10. b) Eyes

11. d) Gold

12. d) Virus

13. b) Longitudinal

14. a) 6

15. c) 23400

16. a) 80

17. d) 128,192,320

18. b) 8 hours

19. a) ₹1590.4

20. c) 50 s

21. a) Kepler 80g, Kepler 90i

22. a) Dr. G. D. Bist

23. b) R.C. Dutt

24. c) 1997

25. a) 1967

26. b) 3 December

27. a) Ammeter

28. d) Hallucinogen

29. c) Manipur

30. b) Askini

31. b) Bootleg

32. d) Jane Campion

33. b) 1969

34. b) J.M. Keynes

35. c) Indonesia

36. c) Current

37. c) Uncle

38. a) Father-in-law

39. b) EOJDJEFM

40. c) 6

41. c) 13

42. a) UAV

43. c) elephant

44. d) 87.5 km/hr

45. c) 6

46. b) 16

47. b) 4 years

48. b) 6

49. c) 20

50. a) 2700