

Bharat Talent Search Exam 2026

Std. 7th
Time : 2 hr.

Medium : English

Total Qus. : 75
Total Marks : 150

Subject : Language, Mathematics, Science, Geography, Civics, Logical Thinking

Section A

Instructions for Q.1 to Q. 3 - Read the following passage and answer the questions given below.


Jayakwadi Dam

Jayakwadi Dam, located near Paithan in Maharashtra, is one of the largest dams in India. It was built on the Godavari river, it was completed in 1976 to provide water for irrigation, drinking, and industrial use. The dam has a storage capacity of 2,909 million cubic meters, helping farmers in the drought-prone Marathwada region.

The dam also generates hydroelectric power, contributing to Maharashtra's energy needs. One of its unique features is the Nathsagar Bird Sanctuary, created around the reservoir. This sanctuary attracts thousands of migratory birds during winter, including flamingos, painted storks, and Siberian cranes. Four famous birds are often seen here i.e. bar-headed goose, black-winged stilt, spoonbill, and grey heron.

Jayakwadi Dam has greatly benefited the region by improving agriculture, providing water, and supporting wildlife. It is a perfect example of how humans and nature can coexist harmoniously.

- Q.1 Which of the following birds is NOT mentioned as a visitor to the Nathsagar Bird Sanctuary?
1) Flamingo 2) Siberian Crane 3) Peacock 4) Spoonbill
- Q.2 Which sentence is the passive voice?
1) Farmers use water from the dam for irrigation.
2) Migratory birds visit the sanctuary every year.
3) The dam was built on the Godavari River.
4) The region benefits from the dam.
- Q.3 What is the primary purpose of Jayakwadi Dam?
1) To generate solar energy.
2) To provide water for irrigation, drinking, and industrial use.
3) To serve as a tourist attraction .
4) To produce wind energy.

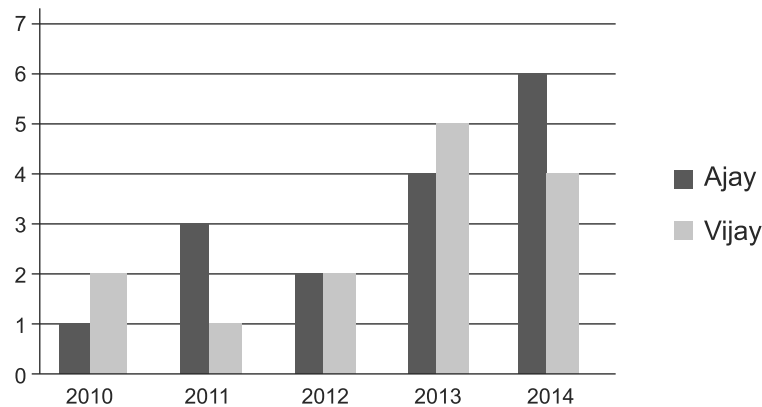
- Q.4 Choose the sentence that uses the correct form of the verb.
- 1) He has finished his homework before dinner.
 - 2) They was happy with the result.
 - 3) She go to school every day.
 - 4) I eats breakfast at 8 a.m.
- Q.5 Three lights on a traffic signal turn on simultaneously at intervals of 15, 18, and 24 seconds. After how many minutes all three lights will turn on together again?
- 1) 2 minutes
 - 2) 6 minutes
 - 3) 5 minutes
 - 4) 4 minutes
- Q.6 A student wrote the answer as : $3\frac{5}{6} + 2\frac{7}{9} = 5\frac{12}{15}$ What is the main mistake in this calculation?
- 1) Added whole numbers incorrectly
 - 2) Did not take the LCM of the denominators
 - 3) The subtraction of the fractions was not done
 - 4) Cross multiplication of the fractions was not done
- Q.7 What is the value of $\angle x$?
- 
- 1) 120°
 - 2) 140°
 - 3) 90°
 - 4) 60°
- Q.8 Arrange the National Parks according to their establishment.
- | | |
|--|--------------------------|
| a) Pandit Jawaharlal Nehru National Park | b) Tadoba National Park |
| c) Chandoli National Park | d) Gugamal National Park |
| 1) a, b, c, d | 2) b, d, a, c |
| 3) c, b, d, a | 4) d, c, b, a |
- Q.9 Which of the following lines is defined based on the axis of the Earth ?
- 1) 'O' Longitude (Prime Meridian)
 - 2) Tropic of Cancer
 - 3) Equator
 - 4) None of above
- Q.10 Which of the following sayings is related to adaptation?
- 1) No matter how hard you try, it's like a lizard's run—only up to the fence.
 - 2) As soon as a difficult situation arose, Atul changed his colour like a lizard.
 - 3) Since morning it felt as if, crows were cawing in his stomach.
 - 4) Ramrao played a significant role in establishing this institution.
- Q.11 Which of the following is not a function of a leaf?
- 1) Photosynthesis and food production
 - 2) Absorbing water and minerals
 - 3) Transpiration
 - 4) Reproduction, food storage and support through modified leaves.
- Q.12 If I had one more brother, I would have twice as many brothers as sisters. If I would have one more sister then number of brothers and sisters would be equal. Choose the correct option that represents the number of brothers and sisters I have.
- 1) 2, 3
 - 2) 3, 2
 - 3) 2, 2
 - 4) 3, 3

Section B

- Q.13 Make a word by using 13th, 1st and 14th letters of alphabet and write its opposite word?
1) WOMAN 2) GIRL 3) FRIEND 4) BOY
- Q.14 Which of the following is a noun?
A) jump B) beautiful C) apple D) quickly
- Q.15 Which word is a preposition?
1) happily 2) behind 3) smart 4) tiger
- Q.16

Instruction for Q.17 and Q. 18 -

The following double bar graph presents the data regarding the astronomy related books read by Ajay and Vijay. Answer the following questions given below.



- Q.17 How many more books did Ajay read than Vijay in 2014?
1) 3 2) 2 3) 1 4) 4
- Q.18 Compared to the year 2012, how many more or how many fewer astronomy books did Vijay read in 2013?
1) 3 fewer 2) 2 fewer 3) 2 more 4) 3 more
- Q.19 The length of a rectangular plot is $5x + 1$ and the width is $2x + 1$. What is its area?
1) $10x^2 + 5x + 1$ 2) $10x^2 - 5x + 1$ 3) $10x^2 - 7x + 1$ 4) $10x^2 + 7x + 1$
- Q.20 Which of the following is equal to 1?
A) $2^3 \cdot 2^{-3}$ B) $5^0 + 5^{-1}$ C) $7^2 \cdot 7^{-2}$ D) $9^{-1} \cdot 9$
1) A 2) B 3) C 4) option C and D
- Q.21 Which of the following businesses falls under the quaternary business category?
1) Animal Husbandry 2) Sugar Factory
3) Transportation 4) Medical Services

- Q.22 Identify the sequence of nutrition which is not wrong?
 1) Ingestion, Digestion, Absorption, Assimilation, Excretion
 2) Digestion, Ingestion, Absorption, Excretion, Assimilation
 3) Excretion, Assimilation, Digestion, Ingestion, Absorption
 4) Absorption, Excretion, Assimilation, Digestion, Ingestion
- Q.23 Work is done when a force is applied to move an object from one place to another. In which of the following situations can be said that work has been done?
 1) Dinesh tried to move the table for a long time, but couldn't move it.
 2) Shrikant sat in the study class for two hours in the morning.
 3) Tai lifted the books from the table and kept them in the cupboard.
 4) Lata memorized the multiplication tables.
- Q.24 In the given series of letters which is the second letter at the right side of the letter which is between G and U?
 ABCDE FGHIJ KLMNO PQRST UVWXY
 1) L 2) N 3) P 4) None of these
- Q.25 The distance between 16 poles is 480 meters. If all poles are equally spaced, what is the distance between the 5th and 9th poles?
 1) 120 meters 2) 128 meters 3) 150 meters 4) None of these
- Q.26 Which of the following is a hyphenated compound word?
 1) Raincoat 2) Mother-in-law 3) Football 4) Butterfly
- Q.27 Which of the following is NOT a compound word?
 1) Notebook 2) Sunburn 3) Pencil 4) Waterfall
- Q.28 Identify the compound word that means, "a room used for sleeping."
 1) Living room 2) Bed room 3) Dining room 4) Bathroom
- Q.29 Shanta Tai took a certain amount of loan from the bank at the rate 5% per annum for 3.5 years to start a cottage industry. While repaying the loan, she had to pay 4,200 Rs. as interest, then how much loan she took from the bank ?
 1) ₹23,000 2) ₹24,000 3) ₹42,000 4) ₹1,70,000
- Q.30 A string is to be wound around the ring which has 28 cm radius. The cost of string is 20 Rs. per metre, then how many rupees will be needed to make four rounds of the string?
 1) 2520 rupees 2) 140.80 rupees 3) 70.40 rupees 4) 50.40 rupees
- Q.31 A calendar has a length of 35 cm and a width of 23 cm. Find its perimeter and area.
 1) 58 cm, 805 square centimeters 2) 116 cm, 805 square centimeters
 3) 116 cm, 805 meters 4) 58 cm, 805 meters
- Q.32 Which of the following can be called the fourth pillar of democracy?
 1) Executive Council 2) Legislative Council 3) Judiciary 4) Newspapers
- Q.33 Which atmospheric layer enables mobile communication signals?
 1) Troposphere 2) Stratosphere
 3) Ionosphere (Reflects radio waves) 4) Mesosphere

- Q.34 Which of the following statements can be said is unaffected by time?
- 1) Formation of winds
 - 2) Creation of storms
 - 3) Used for measuring height
 - 4) Does not affect the respiration of living organisms
- Q.35 There was a vegetable stain on Prashant's shirt. While cleaning it, the stain turned red, which scared him. What is the reason behind the stain turning red?
- 1) Someone must have done something.
 - 2) A reaction between the soap and turmeric in the vegetable.
 - 3) It must be a miracle.
 - 4) The reason cannot be explained.
- Q.36 Choose the word that best completes the sentence -
"Despite his fear, Ramesh faced the challenge....."
- 1) happily 2) slow 3) bravely 4) quickly

Section C

- Q.37 Which letter will come in place of the question mark in the alphabet series?
A, C, F, J, ?
- 1) O 2) M 3) N 4) P
- Q.38 What happens if we consume too much spicy food during summer days?
- 1) It causes severe burning sensation in stomach.
 - 2) It creates cooling effect in body.
 - 3) It makes mind happy.
 - 4) We can enjoy eating.

Instructions for Q.39 to Q. 41 - Read the passage and answer the questions.

Invention of the Pendulum

In ancient times, clocks were irregular and crude in form. They had no specific shape or mechanism, and their internal machinery was quite basic. Due to the falling weights, there was a system used to rotate gears inside the clock. The key task of these early clocks was to maintain weight in a stable position.

Until the discovery of the pendulum, this method remained unchanged. With the invention of the pendulum, the concepts of hours and minutes were developed. For the past five hundred years, small clocks have been created to be worn on the wrist or kept in pockets.

- Q. 39 What was the main limitation of ancient clocks before the invention of the pendulum?
- 1) They were very expensive.
 - 2) They had no gears.
 - 3) They could not keep time accurately.
 - 4) They used sunlight to function.

- Q.40 What was used in ancient clocks to rotate the gears?
 1) Wind power 2) Electricity 3) Falling weights 4) Water pressure
- Q.41 Why were the early clocks considered “irregular and crude”?
 1) They had no standard shape or precise mechanism.
 2) They were built from stones.
 3) They worked only at night.
 4) They were operated manually.
- Q.42 A shopkeeper's average monthly sales for 12 months is Rs. 56,000. If the average sales for the first 6 months is Rs. 4200 find the total sales for the last 6 months.
 1) Rs. 30,800 2) Rs. 33,600 3) Rs. 36,000 4) Rs. 25,200
- Q.43 Group A has 15 students and their average is 18 years. Group B has 20 students and their average is 16 years. What will be their collected average age?
 1) 17 years 2) 16.5 years 3) 16.8 years 4) 17.2 years
- Q.44 On the day of Diwali, a sky lantern is hung on the pole at a height of 8 meters. Ramesh is standing 17meters away from it. What will be the distance between Ramesh and the sky lantern.
 1) 21 meters 2) 15 meters 3) 25 meters 4) 1.5 meters
- Q.45 In a circle with a radius of 4 cm, how long will be the hypotenuse of a right-angled triangle ?
 1) $\sqrt{32}$ cm 2) 6 cm 3) 7 cm 4) 8 cm
- Q.46 How is the power divided between the Central and State Governments in the Federal System of India?
 1) The Central Government has all the power.
 2) The power of the Central and State Governments is defined by the constitution.
 3) The State Government has all the power.
 4) Neither has any power.
- Q.47 Identify the correct association:
 1) Tundra region - Extreme cold climate 2) Grassland region - Hot and dry climate
 3) Hot desert region - Rainy season 4) Equatorial region - Evergreen forests
- Q.48 Why do frogs croak?
 1) To find food 2) To attract females
 3) To scare away enemies 4) To express joy because the rainy season has arrived
- Q.49 Aisha, Ravi, Sameer, Tanya and Meera are sitting in a row But Aisha is not at the ends, Ravi is to the immediate left of Meera, Tanya is sitting at the right most end, then who is sitting at the left most end ?
 1) Aisha 2) Ravi 3) Sameer 4) Tanya

- Q.50 How many triangles are there in the following figure ?



- 1) 10 2) 12
 3) 16 4) 14

Q.51 Which of the following is the official national animal of India?

- 1) Siberian Tiger
- 2) Royal Bengal Tiger
- 3) Malayan Tiger
- 4) Indochinese Tiger

Section D

Instructions for Q. 52 to Q. 54 - Read the passage carefully and answer the given questions.

Gujarat State

Gujarat is a state in India located in the western part of the country. The capital of Gujarat is Gandhinagar. The state of Gujarat was established in 1960. Every year on May 1, "Gujarat State Formation Day" is celebrated with great enthusiasm. Gujarat is the fifth largest state in India. Ahmedabad is the largest city in Gujarat. Gujarat is famous for its natural beauty. Holy places, the legacy of the Indus Valley Civilization, cultural heritage, tourist spots, temples, handicrafts, and wildlife sanctuaries add to its fame. The official language of Gujarat is Gujarati. Along with it, English and Hindi are also widely spoken. Gujarat is known for having a large number of cotton and salt farms. The traditional dances of Gujarat – Garba and Dandiya – are popular all over the

Q.52 What is the capital city of Gujarat?

- 1) Ahmedabad
- 2) Surat
- 3) Vadodara
- 4) Gandhinagar

Q.53 Gujarat is located in which part of India.

- 1) Northern
- 2) Eastern
- 3) Southern
- 4) Western

Q.54 Which civilization's heritage is found in Gujarat?

- 1) Egyptian Civilization
- 2) Roman Civilization
- 3) Indus Valley Civilization
- 4) Chinese Civilization

Q.55 Which of the following statements is false?

- a) There are 13 triangular numbers.
 - b) Half the product of consecutive natural numbers gives a triangular number.
 - c) The first three-digit triangular number is 105.
- 1) option a and b
 - 2) option a
 - 3) option c
 - 4) option b and c

Q.56 Which of the following is not a square number?

- 1) 189
- 2) 289
- 3) 729
- 4) 361

Q.57 Find the square root $\sqrt{4356}$

- 1) 66
- 2) 56
- 3) 49
- 4) 30

Q.58 Solve: $\sqrt{625} + \sqrt[3]{3375} = ?$

- 1) 4000
- 2) 200
- 3) 40
- 4) 20

- Q.59 Identify the necessary components for soil formation.
- 1) Parent rock, regional climate, organic factors, time period
 - 2) Parent rock, regional climate, inorganic factors, time period
 - 3) Transformed rock, regional climate, organic factors, time period
 - 4) Parent rock, regional climate, organic factors, air
- Q.60 What type of muscles are found in the hands and feet?
- 1) Abdominal muscles
 - 2) Skeletal muscles
 - 3) Triangular muscles
 - 4) Quadriceps muscles
- Q.61 Which of the following is not an example of a chemical change?
- 1) Boiling eggs
 - 2) Boiling water
 - 3) Iron rusting
 - 4) Melting wax
- Q.62 The difference between the squares of two consecutive numbers is 1681. What is the smaller number between them?
- 1) 740
 - 2) 840
 - 3) 841
 - 4) 40
- Q.63 In a family, Vasant is younger than Vaibhav. Vasanti is older than Sunanda. Vasant is older than Sunanda. Vasanti is younger than Vasant. Who is the oldest?
- 1) Vasanti
 - 2) Vaibhav
 - 3) Sunanda
 - 4) Vasant

Section E

Instructions for Q.64 to Q. 67 - Read the passage carefully and answer the given questions.

Meghnad Saha

Meghnad Saha's contribution as a celestial physicist in modern India is invaluable. Meghnad Saha was born into a humble family in Dhaka district of the then East Bengal (Bangladesh). Meghnad had a special interest in mathematics. However, when he got the opportunity to teach physics, he started departments of X-ray, wireless waves, and spectroscopy at Allahabad University. Meghnad started a series of articles in the Statesman to introduce the theories of scientists like Max Planck and Einstein to Indians. Meghnad was awarded a doctorate by the University of Calcutta for his invention of an instrument to measure the pressure of light. Driven by a passion for learning, Meghnad Saha turned to fundamental research on planets. His research on the solar spectrum laid the foundation of astrophysics. Meghnad Saha was honored with awards like the Institute of Physics Fellowship and the UNESCO Kalinga Prize for his research work. The National Institute of Sciences was established due to the efforts of Meghnad Saha. This multifaceted personality, Meghnad Saha, passed away on 16 February 1956.

- Q.64 Where was Meghnad Saha born?
- 1) Kolkata
 - 2) Dhaka
 - 3) Allahabad
 - 4) London

- Q.65 If you had the chance to meet Meghnad Saha, what would you ask him?
- 1) What did you research the most?
 - 2) What difficulties did you face?
 - 3) What should I do to have a career in science?
 - 4) All of the above
- Q.66 At which university did Meghnad Saha teach?
- 1) Kolkata University
 - 2) Dhaka University
 - 3) Allahabad University
 - 4) Cambridge University
- Q.67 Application:
What would you do to become a scientist like Meghnad Saha?
- 1) Only study science.
 - 2) Study only to pass exams.
 - 3) Develop interest in other subjects along with science and read a lot.
 - 4) Regularly play at school.
- Q.68 Solve: $(\frac{6}{11} \div \frac{33}{18} \div \frac{3}{2}) = ?$
- 1) $\frac{24}{11}$
 - 2) $\frac{3}{2}$
 - 3) $\frac{2}{3}$
 - 4) $\frac{11}{12}$
- Q.69 Solve: $-200 \times (-2) \times (-5) = ?$
- 1) -400
 - 2) -100
 - 3) -400
 - 4) -2000
- Q.70 If a group of 20 students has 30 books, how many books will be needed for a group of 40 students?
- 1) 40
 - 2) 50
 - 3) 60
 - 4) 70
- Q.71 Water is a ____ liquid.
- 1) Unnatural
 - 2) Natural
 - 3) Combined
 - 4) Mixed
- Q.72 Sound doesn't propagate through:
- 1) Gas
 - 2) Liquid
 - 3) Solid
 - 4) Vacuum
- Q.73 If a boy named Ram wants to show his house on a map, which direction should he determine first?
- 1) East
 - 2) West
 - 3) South
 - 4) North
- Q.74 Which fraction will come in the place of question mark?
 $\frac{3}{4}, \frac{6}{9}, \frac{9}{16}, \frac{12}{25} ?$
- 1) $\frac{15}{36}$
 - 2) $\frac{15}{49}$
 - 3) $\frac{15}{40}$
 - 4) $\frac{15}{64}$
- Q.75 A man said to a woman, Your mother's husband's sister is my grandmother. What relationship can that man can have with that woman?
- 1) Son
 - 2) Husband
 - 3) uncle
 - 4) Brother

SPACE FOR ROUGH WORK