

**DON BOSCO HIGH SCHOOL, PANJIM**  
**DON BOSCO COMPETITIVE ADVANTAGE TEST (DB-CAT) 2024-25**  
**27 FEBRUARY 2025**  
**CLASS VI**

**A. QUESTION PAPER RELATED INSTRUCTIONS**

Before you begin, check if all 80 questions have been printed on your question paper.

DB-CAT 24 - 2025 consists of a total of 80 questions as follows:

**ENGLISH – Q Nos. 1-15**

**MATHEMATICS- Q Nos. 16-30**

**SCIENCE - Q Nos. 31-45**

**HISTORY – Q Nos. 46 -55**

**GEOGRAPHY – Q Nos. 56 – 65**

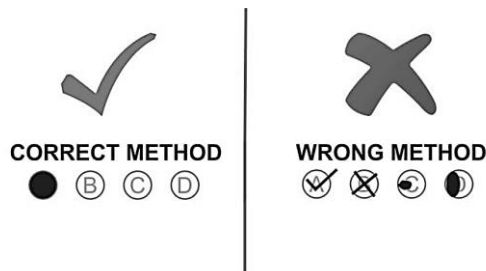
**G.K AND CURRENT AFFAIRS Q Nos. 66 – 75**

**LOGIC AND REASONING – Q Nos. 76-80**

1. Each question carries 1 mark.
2. Total duration of the test is 90 minutes
3. All questions are compulsory.
4. There is no negative marking for incorrect answers.
5. You may take away the question paper after the examination.

**B. OMR SHEET RELATED INSTRUCTIONS:**

1. Begin by writing your name and other required information in the space provided at the top of the OMR sheet.
2. Your signature must be entered in the box labelled as Candidate's signature.
3. Each Multiple Choice Question (MCQ) has four options a) b) c) and d), of which only one is the correct answer.
4. Before marking your answers, carefully read each question and review all four options. Changing answers is not permitted.
5. Once you are sure of your answer, use a dark pen (**BLUE OR BLACK BALL POINT PEN**) to mark your answers on the provided OMR sheet. Answers marked with pencil will not be accepted
6. Fully darken the bubble corresponding to your chosen option, as shown in the example below.



7. Responses with more than one darkened bubble or those not darkened as per instructions will be considered invalid.
8. Avoid making any stray marks on the sheet.
9. No rough work should be done on the OMR sheet. All rough work must be done in the space provided on the question paper. Additional paper for rough work will be provided by the invigilator on request.
10. Do not use a marker or whitener on the OMR sheet.



15. The victory was the result of nearly a decade of hard work and preparation.

(Choose the word opposite in meaning to the underlined word)

- a) success
- b) defeat
- c) triumph
- d) conquest

### MATHEMATICS

16. What number must be added to -5 to get -15?

- a) -10
- b) 0
- c) 10
- d) 5

17. Which of these numbers have only two factors, one and the number itself?

- a)  $37+1$
- b)  $37+37$
- c)  $37 \times 1$
- d)  $37 \times 37$

18. Two angles of a triangle measure 35 degrees and 65 degrees. What is the measure of the third angle of the triangle?

- a) 100 degrees
- b) 80 degrees
- c) 125 degrees
- d) 135 degrees

19. John has stamps from different countries.  $\frac{1}{3}$ rd of them are India's stamps. If he has 36 Indian stamps, how many stamps does he have in total?

- a) 12
- b) 36
- c) 48
- d) 108

20. What is the place value of 3 in 1.234?

- a) 3
- b)  $\frac{3}{10}$
- c)  $\frac{3}{100}$
- d)  $\frac{3}{1000}$

21. If the 8 digit number 136x5785 is divisible by 3 then the least possible value of x is \_\_\_\_

- a) 0
- b) 1
- c) 3
- d) 2

22. How many times in a day do the hands of a clock form a right angle?

- a) 22
- b) 24
- c) 44
- d) 48

23. A wire of side 16 cm in the shape of an equilateral triangle is re-bent into a regular octagon. Each side of the octagon will measure \_\_\_\_\_ cms.

- a) 4
- b) 8
- c) 12
- d) 6

24. The difference between the number 389 and that obtained on reversing its digit is \_\_\_\_

- a) 594
- b) 549
- c) 504
- d) 450

25. If David was 27 years old in 2011, then his age in 2003 would have been \_\_\_\_\_.

- a) 17 years
- b) 37 years
- c) 20 years
- d) 19 years

26. A clock seen through a mirror, shows quarter past three. What is the correct time shown by the clock?

- a) 3.15
- b) 8.45
- c) 9.15
- d) 9.45

27. The wages of 10 workers for a six-day week is Rs 1200. What are the one day's wages of 4 workers?

- a) Rs. 40
- b) Rs. 32
- c) Rs. 80
- d) Rs. 24



37. A frog is placed in three different environments: a pond, a dry land, and a sandy desert. In which environment is the frog least likely to survive, and why?
- a) Sandy desert, because it needs a moist environment to survive.      b) Pond, because it cannot breathe underwater.
- c) Dry land, because it cannot move easily on the surface.      d) None of these, as a frog can adapt to all environments.
38. Ravi observes a fish moving its tail back and forth while swimming. How does this movement help the fish?
- a) It maintains the fish's balance in water      b) It propels the fish forward
- c) It helps the fish breathe underwater      d) It allows the fish to sink to the bottom
39. Why does the moon's shape appear to change when observed from Earth?
- a) The moon's distance from Earth changes during the orbit      b) The Earth's shadow falls on the moon
- c) The moon's actual size keeps changing      d) Clouds obscure (block) parts of the moon
40. What would happen if all decomposers disappeared from an ecosystem?
- a) Plants would grow faster      b) Oxygen levels in the atmosphere would increase
- c) Herbivores would become decomposers      d) Dead matter would accumulate, and nutrient cycling would stop
41. Why do earthen pots keep water cool even in summer?
- a) The pot absorbs heat from the water      b) The pot prevents heat from entering the water
- c) The pot allows water to evaporate, which cools the remaining water      d) The clay contains cooling agents
42. If you sprinkle iron filings around a magnet, why do they form distinct patterns?
- a) Iron filings are charged by the magnet      b) They repel each other due to magnetism
- c) They align along the magnetic field lines      d) They get heated by the magnet's energy
43. An athlete feels tired and lacks energy after a workout. Why is he advised to drink a glass of glucose water?
- a) It provides quick energy to the body      b) It helps in digestion
- c) It helps in cooling down the body temperature      d) It repairs muscle tissues instantly
44. Amar notices that one of his dogs is behaving aggressively, drooling excessively, and appears unable to swallow. What might be the cause of these symptoms in the dog?
- a) A bacterial infection in the stomach      b) Poisoning from contaminated food
- c) Dehydration due to lack of water      d) Rabies infection caused by a bite from an infected animal
45. A person is suffering from night blindness and weak immunity. Which food should they include in their diet to overcome these deficiencies?
- a) Rice and wheat      b) Carrots and spinach
- c) Potato and sugar      d) Meat and fish only

### **HISTORY**

46. Rice was first grown to the north of the \_\_\_\_\_
- a) Kirthar      b) Vindhyas
- c) Sulaiman      d) Magadha
47. Evidence of pit houses were in the \_\_\_\_\_ sites.
- a) Daojali Hading      b) Brahmaputra
- c) Mehrgarh      d) Burzahom
48. People who wrote and helped in making seals were called \_\_\_\_\_
- a) rulers      b) merchants
- c) scribes      d) craftsperson

49. Fire altars where sacrifices were performed were found in \_\_\_\_\_
- a) Dholavira                                      b) Mohenjodaro  
c) Sotkakoh                                        d) Lothal
50. The oldest Veda is the \_\_\_\_\_
- a) Samaveda                                        b) Atharvaveda  
c) Rigveda    d) Yajurveda
51. Kammakaras were the people known as \_\_\_\_\_
- a) slave men                                        b) agricultural labourers  
c) landless agricultural labourers            d) farmers
52. The place where Buddha attained enlightenment is \_\_\_\_\_
- a) Sarnath    b) Bodh Gaya  
c) Magadha                                        d) Varanasi
- 53.Chandragupta was supported by a wise man named \_\_\_\_\_
- a) Chanakya                                        b) Bindusara  
c) Ashoka    d) Arthashastra
54. Shrenis were association of \_\_\_\_\_
- a) gatherers                                         b) farmers  
c) herders    d) craftsman
55. The father of the Indian Constitution is \_\_\_\_\_
- a) Subash Chandra Bose                        b) Dr. Ambedkar  
c) Mahatma Gandhi                              d) Jawaharlal Nehru

## GEOGRAPHY

56. The sun does not rise above the horizon and therefore the rays are always slanting, providing less heat. These statements are true about which region?
  - a) Temperate
  - b) Frigid
  - c) Torrid
  - d) Artic circle
57. In which continent is Christmas celebrated in summer?
  - a) Australia
  - b) China
  - c) India
  - d) Europe
58. What are maps showing natural features of the earth such as plateaus, mountains and plains called?
  - a) Political map
  - b) Topological map
  - c) Relief map
  - d) Thematic map
59. Erosion is an example of which of the following?
  - a) Internal processes
  - b) Sinking
  - c) Lifting
  - d) External processes
60. Which of the following options correctly states the names of the oceans in the order of their size?
  - a) Atlantic, Pacific, Indian, Artic and Southern
  - b) Pacific, Atlantic, Indian, Southern and Artic oceans
  - c) Southern, Artic, Indian, Pacific and Atlantic oceans
  - d) Indian, Pacific, Atlantic, Artic, Indian and Southern oceans
61. Sometimes small pieces of rock come near the Earth and drop on its surface. What are these pieces called after they enter Earth's atmosphere?
  - a) Asteroids
  - b) Planets
  - c) Meteors
  - d) Meteoroids
62. Which landform is rich in mineral deposits?
  - a) Plateaus
  - b) Mountains
  - c) Glaciers
  - d) Plains

63. Which gas is present in abundance in the atmosphere?

- a) Argon                                  b) Carbon dioxide  
c) Methane                                d) Nitrogen

64. Full moon night is also called \_\_\_\_\_

- a) Pole star  
b) Poornima  
c) Amavasya  
d) Celestial night

65. Which statement is NOT true about maps?

- a) Maps can be easily read
- b) There is an international understanding on the use of symbols on maps
- c) Traditional maps are easier to carry around than digital maps
- d) Scale makes calculating the distance between two places easier.

## G.K/ CURRENT AFFAIRS

66. When is National Sports Day celebrated?

- a) 23<sup>rd</sup> December                      b) 2<sup>nd</sup> October  
c) 29<sup>th</sup> August                          d) 14<sup>th</sup> November

67. Where is Lake Palace located?

- a) Patna (Bihar)  
c) Aurangabad (Maharashtra)
- b) Udaipur (Rajasthan)  
d) Jaipur (Rajasthan)

68. Who was the first Indian woman athlete to win gold in Asian Games?

- a) Kamaljit Sandhu                      b) P.T. Usha  
c) Nadia Comaneci                     d) Aarti Saha

69. Chhatrapati Shivaji Maharaj was born in 1630 A.D. at \_\_\_\_\_

- a) Shivneri  
b) Pune  
c) Mumbai  
d) None of the above

70. Who is the founder of the Khaliji dynasty?

- a) Ala-ud-din Khaliji                      b) Khizr Khan  
c) Jalal-ud-din Khaliji                  d) Akbar

71. INS Viraat was recently in the news, it is a/an \_\_\_\_\_

- a) Tank                                      b) Aircraft Carrier  
c) Missile                                  d) Helicopter

72. Who is known as the ‘Missile Man of India’?

- a) APJ Abdul Kalam                      b) Satish Dhawan  
c) Vikram Sarabhai                     d) None of the above

73. Who is the current foreign minister of India?

- a) Rajnath Singh                      b) S Jaishankar  
c) Piyush Goyal                        d) Ajit Doval

74. Maia Sandu recently won the Presidential election in which country?

- a) Moldova                      b) Greece  
c) Serbia                        d) Georgia

75. Which is the World's largest lake?

- a) Lake Baikal                      b) Lake Superior  
c) Caspian Sea                     d) Lake Victoria

## LOGIC AND REASONING

76. A boy walks 20m towards the south. Turning towards his right he walks 10 m. Now which direction is he facing?

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

77. Five friends went to a party and each brought a different gift. John did not bring the cake. Alex brought flowers. Emily brought a book. Dan did not bring chocolates. Who brought the chocolates?
- a) John

b) Alex

c) Emily

d) Dan

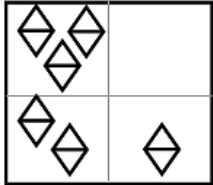
78. Hardworking: Determined:: Happy :?
- a) Sad

b) Upbeat

c) Lovely

d) Hilarious

79. Identify the figure which completes the pattern



- a)
- b)
- c)
- d)

80. Introducing a child, a man said, “He is the son of my father’s only daughter”. How is that man related to the child?
- a) Father

b) Brother

c) Maternal Uncle

d) Son

\*\*\*\*\* Space for Rough Work\*\*\*\*\*