



SANSKARAM

GROUP OF SCHOOLS

संस्कारम् के साथ, सफलता का विश्वास।।

CLASS: 7th

8th OLYMPIAD

Date: 29.12.2024

PAPER

Session : 2024-25

Time: 1:00 Hrs.

M.M.: 60

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- Please fill up on the particulars given on the OMR sheet carefully no manual rechecking will be done.**
- Duration of Test is 1 hrs. This Question Paper Contains 60 Questions. All are compulsory. Each question carries one Mark. There is **NO NEGATIVE MARKING**.
- Answers are to be given on a separate OMR sheet.
- Use black and blue ball pen only to darken the circle.
- Mark your answers for questions 1-60 on the single OMR sheet by darkening the circles.
- Sequence of questions is **ENGLISH 1-15, MATHS 16-30, SCIENCE 31-45, APTITUDE TEST (REASONING) 46-60.**
- Rough work can be done anywhere in the booklet but not on the OMR sheet/loose paper.
- Please return the OMR sheet to the invigilator after the test.
- Do not fold OMR sheet and not make any stray marks on OMR sheet otherwise OMR sheet will not be evaluate at all.

Student's Name:

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Roll No.:

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Mobile No.:

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SANSKARAM 8TH OLYMPIAD

- Q1. I'mat workplace today.
 a) allowed b) aloud c) loud d) None of these
 Fill in the blanks with suitable idiom:
- Q2. Murphy struggled to complete his university studies.
 a) For all ends b) To all parts c) Against all odds d) None of these
- Q3. It was a..... to swallow that she lost the election.
 a) bitter pill b) sour grape c) Sour capsule d) sweet pill
- Q4. The manager refused.....him to leave for next Friday.
 a) to grant to b) To grant c) Granted d) not any
 Complete the sentences by using appropriate option:
- Q5. The walls of New York City is.....with Graffiti.
 a) covered b) made c) looked d) seen
Fill in the blanks with appropriate pronoun:
- Q6. did you see there?
 a) Who b) Whom c) That d) These
- Q7. They wished to avenge.....on their enemy.
 a) themselves b) theirselves c) them d) their
- Q8. One should not waste....time in idle talks.
 a) his b) one's c) him d) our
- Q9. I thought it was.....
 a) they b) he c) him d) his
Fill in the blanks with articles:
- Q10. lion is the king of animals.
 a) a b) an c) the d) no article
- Q11. Choose the correct modal to complete the sentence:
 She _____ have been at the meeting, but she was not feeling well.
 a) should b) would c) might d) must
- Q12. Choose the correct form of indirect speech:
 Mary asked, "Why did you cancel the meeting?"
 a) Mary asked why I had cancelled the meeting. b) Mary asked why I cancelled the meeting.
 c) Mary asked why I cancel the meeting. d) Mary asked why I had cancelled the meeting.
- Q13. Choose the word that is closest in meaning to the underlined word in the sentence:
 The EPHEMERAL nature of fame makes it difficult to maintain over time.
 a) Permanent b) Fleeting c) Expensive d) Substantial
- Q14. Choose the correct adverb to complete the sentence:
 She acted _____ in the crisis, maintaining calm and composure.
 a) decisively b) decisive c) decisive manner d) decision
- Q15. Choose the correct preposition to complete the sentence:
 The manager has been engaged _____ numerous negotiations over the past few weeks.
 a) at b) in c) with d) on
- Q16. Which is a solution of the equation $x + 4 = 6$
 a) $x = 2$ b) $x = 3$ c) $x = 4$ d) $x = 6$
- Q17. If two adjacent angles are supplementary, then they form _____ .
 a) Corresponding angles b) vertically opposite angles c) a linear pair of angles d) a ray
- Q18. How many medians a triangle can have?
 a) 2 b) 1 c) 3 d) 0
- Q19. In a $\triangle ABC$, $\angle A = 35^\circ$ and $\angle B = 65^\circ$, then the measure of C is
 a) 50° b) 80° c) 30° d) 60°
- Q20. Two angles are congruent if they have
 a) Same name b) Equal measures c) Unequal measures d) None of these
- Q21. A map is given with a scale of 2 cm = 1000 km. What is the actual distance between the two places in kms, if the distance in the map is 2.5 cm?
 a) 1250 km b) 1500 km c) 2500 km d) none of these

- Q22. 8% children of a class of 25 like getting wet in the rain. How many children do not like getting wet in the rain.
a) 20 b) 22 c) 23 d) none of these
- Q23. Rashmi buys a calculator for Rs. 720 and sells it at a loss of 6%. For how much does she sell it?
a) Rs 700.4 b) Rs 650.6 c) Rs 676.8 d) none of these
- Q24. ____ is the identity for the addition of rational numbers.
a) 1 b) 0 c) -1 d) $\frac{1}{2}$
- Q25. Which of the rational numbers $\frac{11}{28}$, $\frac{5}{7}$, $\frac{9}{14}$, $\frac{29}{42}$ is the greatest?
a) $\frac{11}{28}$ b) $\frac{5}{7}$ c) $\frac{9}{14}$ d) $\frac{29}{42}$
- Q26. 3 taken away from 0 gives
a) 3 b) -3 c) 0 d) None of these
- Q27. What is the value of $\frac{7}{2} - \frac{7}{3}$?
a) $\frac{14}{5}$ b) $\frac{7}{5}$ c) $\frac{7}{6}$ d) $\frac{14}{35}$
- Q28. Which number is 5 more than -3?
a) -2 b) 2 c) 8 d) -8
- Q29. The median of the first ten prime number is _____.
a) 2.5 b) 12 c) 3.5 d) None of these
- Q30. What will be the range of following data?
32, 41, 28, 54, 35, 26, 33, 23, 38, 40
a) 25 b) 23 c) 31 d) 54
- Q31. Which part of the human eye controls the amount of light entering it?
a) Lens b) Retina c) Iris d) Cornea
- Q32. What is the term for the movement of water across a semi-permeable membrane?
a) Diffusion b) Osmosis c) Active transport d) Filtration
- Q33. Which process in plants involves the conversion of light energy into chemical energy?
a) Respiration b) Photosynthesis c) Transpiration d) Digestion
- Q34. In an electric circuit, what happens if the resistance is doubled while the voltage remains constant?
a) Current doubles b) Current is halved c) Current remains unchanged d) Voltage decreases
- Q35. Which layer of the Earth contains tectonic plates?
a) Crust b) Mantle c) Outer core d) Inner core
- Q36. Which of the following does NOT affect the speed of sound in air?
a) Temperature b) Humidity c) Pressure d) Density
- Q37. Which type of chemical reaction occurs when a more reactive metal displaces a less reactive metal from its compound?
a) Combination reaction b) Displacement reaction c) Decomposition reaction d) Redox reaction
- Q38. What is the function of xylem in plants?
a) Transporting food b) Transporting water and minerals c) Photosynthesis d) Storing starch
- Q39. What is the primary gas released during volcanic eruptions?
a) Carbon monoxide b) Sulfur dioxide c) Methane d) Carbon dioxide
- Q40. What happens to a sound wave as it moves from air to water?
a) Its speed decreases b) Its speed increases c) Its wavelength decreases d) Its frequency increases
- Q41. What is the boiling point of water at standard atmospheric pressure?
a) 0°C b) 50°C c) 100°C d) 150°C
- Q42. The process of converting water vapor into water droplets is called:
a) Evaporation b) Condensation c) Precipitation d) Sublimation
- Q43. Which of the following is an example of a conductor of electricity?
a) Plastic b) Glass c) Rubber d) Copper
- Q44. Which of the following microorganisms is used in the production of alcohol?
a) Virus b) Bacteria c) Algae d) Yeast
- Q45. What happens when balanced forces act on an object?
a) The object changes its speed b) The object changes its direction
c) The object remains stationary or continues moving uniformly d) The object breaks into pieces

Q46. ACEG: BDFH::

- a) PRTV: QSUW b) DEFG: HIJK c) LNPR: MOQT d) BDFG: CEGJ

Q47. Tick correct in the answer set which comes next.

AA9, BB8, CC7, DD6

- a) EE5 b) FF6 c) EF6 d) FF5

Q48. Choose odd one out

- a) Delhi b) Mumbai c) Agra d) Kolkata

Q49. Select odd one out

- a) 998A b) 888D c) 776G d) 665J

Q50. A railway line runs between Amanpur and Shahpur. This line has exactly 15 stations including Amanpur and Shahpur. A train runs from Amanpur to Shahpur, and comes back the next day. It stops at all stations both ways while its journey from Amanpur to Shahpur. Kotla is the 10th station. What cardinal number can you give to Kotla on the journey next day?

- a) 4th b) 5th c) 6th d) 10th

Q51. In a certain code, 'they are fools' means 'plane is risky', 'we are' wise' means 'Train is fast' and 'wise never fools' means 'Fast always risky'. Which of the following stands for 'train'?

- a) They b) We c) Never d) Fools

Q52. If E = 5 PEN = 35, then PAGE = ?

- a) 27 b) 28 c) 29 d) 36

Q53. In each of the following questions, choose the missing number to complete the series.

1, 3, 6, 10, ?

- a) 12 b) 15 c) 18 d) 21

Q54. Find the next term in the given series.

PMT, OOS, NQR, MSQ, ?

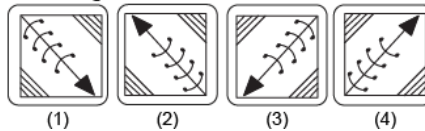
- a) LWP b) LVR c) LVP d) LUP

Q55. Choose the water image of the above figure

Question figure:



Answer figures:



Q56. Find the odd one out.

- a) 1274 b) 3753 c) 2457 d) 3744

Q57. If BOY is coded as YLB, what is the code of CAT?

- a) ZXN b) XZG c) PMN d) None of these

Q58. If PENCIL is coded as LICNEP, then what is the code of STATIONARY?

- a) YRANOITATS b) YRAOINTATS c) YANOITRATS d) YRNAIOTATS

Q59. Mohit walks 6 km towards north, takes a right turn and walks 8 km and then walks 12 km towards south. What is the shortest possible distance?

- a) 6km b) 8km c) 9km d) 10km

Q60. ACEG: BDFH::

- a) PRTV: QSUW b) DEFG: HIJK c) LNPR: MOQT d) BDFG: CEGJ