



MODULUS
ACADEMY
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Dream Believe Achieve

Intelli-Mind Sample Paper

MAXIMUM TIME : 2 Hrs.

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MAXIMUM MARKS : 240

GENERAL INSTRUCTIONS for This Test

- The question paper consists of 3 sections (Section-A contains **EVS**, Section-B contains **Mathematics**, Section-C contains **Reasoning**).
- This Question Paper contains a total of 60 questions.
- All questions are **single correct type questions**. Each of these questions has four choices (A), (B), (C) and (D) out of which **ONLY ONE** is correct.
- Indicate the correct answer for each question by filling appropriate bubble in your answer sheet.
- For each question, you will be awarded **4 marks** if you have darkened only the bubble corresponding to the correct answer and **zero mark** if no bubble are darkened. In all other cases, **minus one (-1) mark** will be awarded
- Also read **instructions** written on the **OMR sheet**.
- Please fill the OMR answer sheet accordingly and carefully.
- Blank spaces and blank pages are provided in this booklet for your rough work. No additional sheets will be provided for rough work.
- Use of Calculator, Log Table, Slide Rule and Mobile is not allowed.

प्रश्न-पत्र के लिए सामान्य निर्देश:

- प्रश्न पत्र के **तीन भाग (भाग-A : EVS, भाग-B : Mathematics तथा भाग-C : Reasoning)** है। कृपया अपने उत्तर को उत्तर पुस्तिका (OMR) में क्रमानुसार व ध्यानपूर्वक भरें।
- सुनिश्चित करें कि प्रश्न पत्र में प्रत्येक खण्ड व पेज में सभी प्रश्न है। यदि आपको प्रश्न पत्र में कोई त्रुटि जैसे कोई प्रश्न या पेज नहीं मिलता है, तो निरीक्षक से सम्पर्क करें।
- प्रत्येक भाग में 20 प्रश्न है, अतः इस प्रश्न पत्र में कुल 60 प्रश्न है।
- सभी प्रश्न **एकल सही विकल्प प्रकार** के प्रश्न है। प्रत्येक प्रश्न के चार विकल्प (A), (B), (C) तथा (D) दिये गये है जिनमें से केवल एक सही है।
- प्रत्येक सही उत्तर के लिए आपको **4 अंक** मिलेगे अगर आपने सही उत्तर से संबंधित बुलबुले को काला किया है और **शून्य अंक** मिलेगा यदि कोई बुलबुला काला नहीं किया है। अन्यथा **ऋणात्मक एक (-1) अंक** मिलेगा।
- रफ कार्य के लिए इस पुस्तिका में रिक्त स्थान तथा रिक्त पेज उपलब्ध कराये गये हैं। अतः रफ कार्य के लिए अतिरिक्त पुस्तिका नहीं दी जायेगी।
- आपको प्रत्येक सही उत्तर के लिए उत्तर पुस्तिका में उसी प्रश्न संख्या के सामने उपयुक्त बुलबुले को काला करना है।
- कैलकुलेटर, लॉग तालिका, स्लाइड रूल, तथा मोबाईल के उपयोग की अनुमति नहीं है।

PART-I : EVS

[SINGLE CORRECT CHOICE TYPE]

- Q1. A seed with two seed leaves is called a _____.
(a) damaged seed (b) monocot seed (c) soaked seed (d*) dicot seed
- Q2. Which of the following is a non-communicable disease?
(a) Chickenpox (b*) Beri –beri (c) Common cold (d) Measles
- Q3. For putting out a fire caused by petrol, we should _____.
(a) switch off the electricity supply (b) turn off the gas supply
(c) throw water on it (d*) throw lots of sand on it
- Q4. The gas that bubbles out of an aerated drink is _____.
(a) nitrogen (b) oxygen (c) hydrogen (d*) carbon dioxide
- Q5. This may lead to soil erosion.
(a) Terrace farming (b) Growing of crops (c) Afforestation (d*) Deforestation
- Q6. Locusts are harmful migratory _____.
(a) birds (b) rodents (c) fish (d*) insects
- Q7. When we touch a hot object, the sensory nerve immediately passes a message to the
(a) brain (b) hands (c) spinal cord (d) eyes
- Q8. We are able to stay on the ground because of _____.
(a) gravitational force (b) elastic force (c) buoyant force (d) frictional force
- Q9. This gas is present in air in the maximum percentage.
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Argon
- Q10. This process is used to remove insoluble impurities from water.
(a) Sedimentation (b) Chlorination (c) Distillation (d) Evaporation
- Q11. The closest neighbour of the Earth in space is _____.
(a) Sun (b) Jupiter (c) Moon (d) Mars
- Q12. Those who study earthquakes are called _____.
(a) geologists (b) seismologists (c) astronomers (d) astrologers
- Q13. Which of the following gases is not a greenhouse gas?
(a) Carbon dioxide (b) Oxygen (c) Methane (d) CFC
- Q14. Which of the following carries oxygen in the blood?
(a) Antibody (b) Keratin (c) Haemoglobin (d) All of these
- Q15. Using mosquito nets prevents _____.
(a) Skin diseases (b) Rabies (c) Anaemia (d) Malaria
- Q16. The gas needed for making proteins is _____.
(a) Oxygen (b) Carbon dioxide (c) Nitrogen (d) Argon
- Q17. This animal is a vertebrate.
(a) Snake (b) Snail (c) Spider (d) Grasshopper
- Q18. This is a voluntary muscle.
(a) Cardiac muscle (b) skeletal muscle (c) both (a) and (b) (d) none of these
- Q19. This part of brain controls our heartbeat.
(a) Spinal cord (b) Cerebellum (c) Cerebrum (d) Medulla Oblongata
- Q20. What kind of simple machine is a lid of a bottle?
(a) Inclined plane (b) Wedge (c) Screw (d) Lever

PART-II : MATHEMATICS

[SINGLE CORRECT CHOICE TYPE]

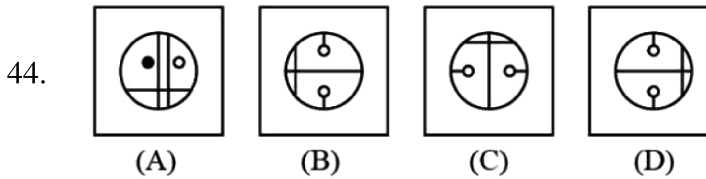
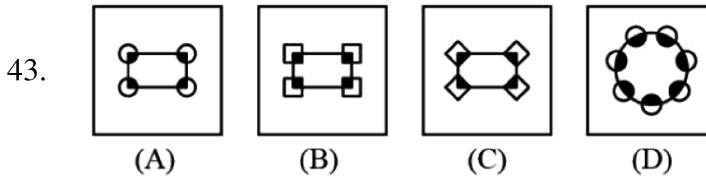
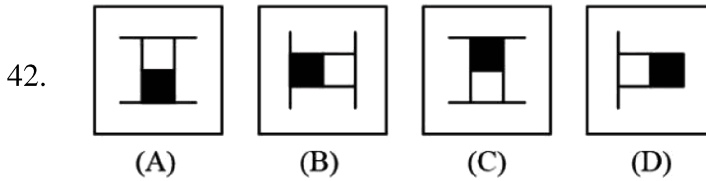
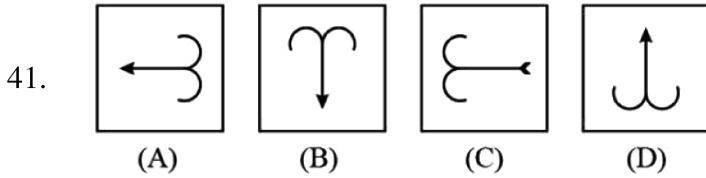
- Q21. A is twice of B. If $A = \frac{12}{15}$, then find the value of A+B.
- (a) $\frac{3}{5}$ (b) $\frac{4}{5}$ (c) $\frac{2}{5}$ (d) $\frac{6}{5}$
- Q22. Gracy has ? 2000 in her purse. What fraction of money should she spend so that she is left with ? 750 ?
- (a) One –third (b) Two –fifth (c) Five –eighth (d) none of these
- Q23. A dance show begins at 5:35 p.m. and it lasts for 45 minutes. At what time does the dance show end?
- (a) 6:45 p.m. (b) 6:20 p.m. (c) 5:20 p.m. (d) 6:30 p.m.
- Q24. A bus covers a distance of 360 km in 6 hours. If it maintains a constant speed, how far can it travel in $8\frac{3}{4}$ hours ?
- (a) 480 km (b) 525 km (c) 500 km (d) 540 km
- Q25. The average of first five prime numbers is.
- (a) 5.5 (b) 5.6 (c) 5.7 (d) 5.8
- Q26. The number of diameters a circle can have is _____.
- (a) one (b) two (c) four (d) infinite
- Q27. There are 25 rows of trees in a park. Each row has 250 trees. Trees of 4 rows are cut down. Find the total number of remaining trees in the park.
- (a) 5250 (b) 4980 (c) 6250 (d) 6150
- Q28. Write the roman numeral which is 565 less than 1000 _____.
- (a) CDXXV (b) DCXXV (c) CDXXLV (d) CDXXXV
- Q29. During a plantation drive in a school, Children made 2,101 rows of plants & each row contained 25 plants. How many plants did they plant altogether?
- (a) 52,255 (b) 25,252 (c) 52,525 (d) 55,225
- Q30. The number 1326 is divisible by_____.
- (a) 2 (b) 3 (c) 2 & 3 (d) none of these
- Q31. Difference of 0.44 and 0.4 is equal to
- (a) 0.004 (b) 0.04 (c) 0.40 (d) 4.0

- Q32. In an examination Diya secured 225 out of 400. Find her percentage?
(a) 56.50 (b) 56.25 (c) 56.75 (d) 56.05
- Q33. Select the palindromic number from the given numbers?
(a) 3059 (b) 3053 (c) 9079 (d) 9009
- Q34. The perimeter of a square is twice the perimeter of a triangle of dimensions 9 cm, 11 cm and 8 cm. What is the length of the side of the square?
(a) 8 cm (b) 14 cm (c) 7 cm (d) 12 cm
- Q35. If $32.84 \div x = 3.284$, x stands for
(a) 100 (b) 1000 (c) 10 (d) $\frac{1}{10}$
- Q36. The cost price of an apple was ₹ 10 but it was sold for ₹ 7. Find the profit % or loss % ?
(a) 70 % profit (b) 70 % loss (c) 30 % profit (d) 30 % loss
- Q37. Harshita got ready for school at 7'0 clock. She revised her Hindi notes for 25 minutes and then left for school. At what time did she finally leave for school?
(a) 6:25 am (b) 7:25 am (c) 7:30 am (d) 8:25 am
- Q38. How many seconds are there in a non leap year?
(a) $365 \times 24 \times 360$ (b) $365 \times 24 \times 3600$ (c) $365 \times 60 \times 60$ (d) $365 \times 24 \times 60$
- Q39. There are 36 children sitting in 12 rows in a class. How many children are sitting in 105 rows?
(a) 324 (b) 305 (c) 315 (d) 432
- Q40. The average consumption of milk by a family member is 5.6 L in a week. If there are 15 members in the family, find the total consumption of milk by the family for the week?
(a) 75.90 L (b) 84 L (c) 89 L (d) 79 L

PART-III : REASONING

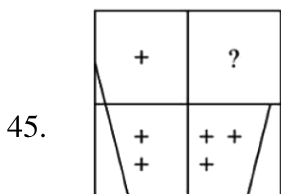
[SINGLE CORRECT CHOICE TYPE]

Directions : In question Nos. 41 to 44, four figures (A), (B), (C) and (D) have been given in each question. Of these four figures, three figures are similar in some way and one figure is different. Select the figure which is different. Darken the circle for the answer in the OMR. Answer sheet against the number corresponding to the question.

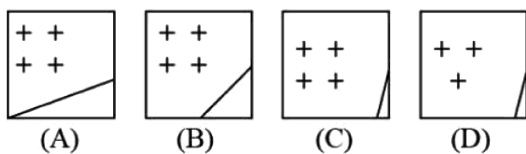


Directions : In question Nos. 45 to 48, there is a question figure, a part of which is missing. Observe the answer figures (A), (B), (C) and (D) and find out the answer figure which, without changing the direction, fits in the missing part of the question figure in order to complete the pattern in the question figure. Indicate your answer by darkening the circle in the OMR. Answer sheet against the number corresponding to the question.

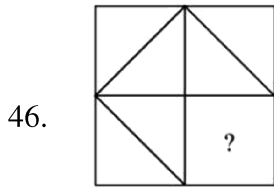
Question Figure



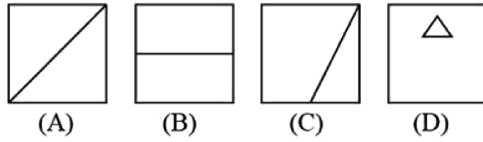
Answer Figure



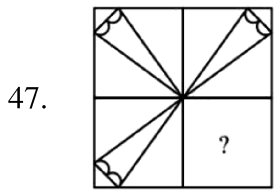
Question Figure



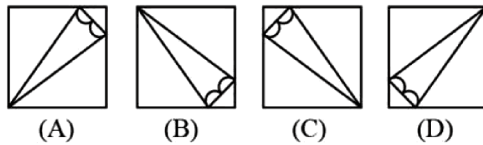
Answer Figure



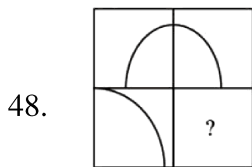
Question Figure



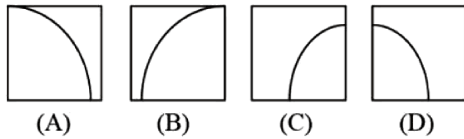
Answer Figure



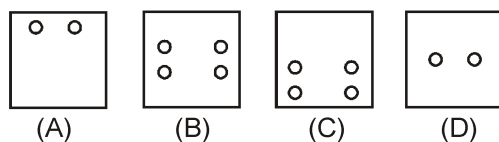
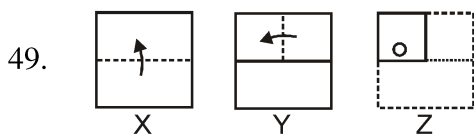
Question Figure

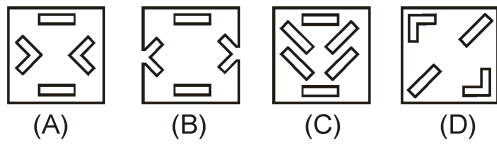
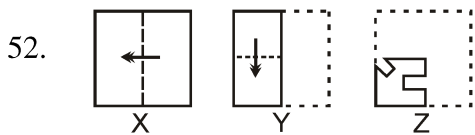
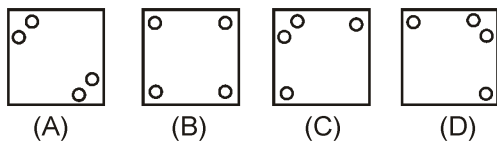
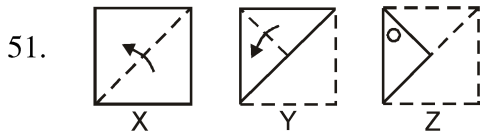
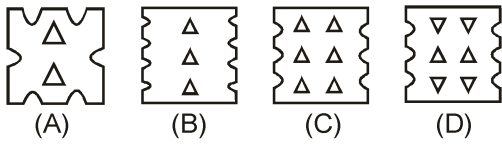
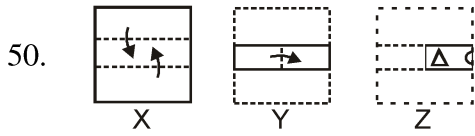


Answer Figure

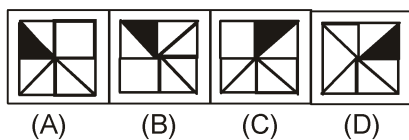
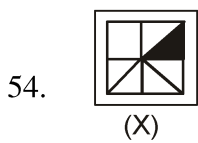
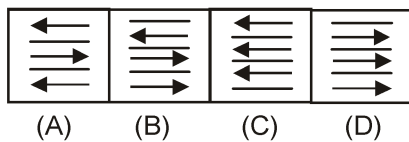
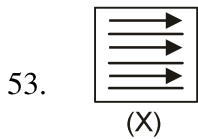


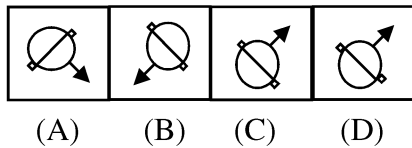
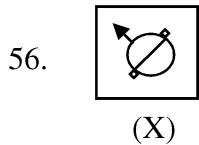
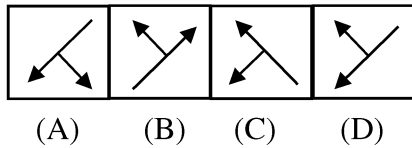
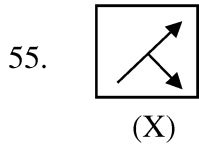
Directions : (49 to 52) A sheet has been folded in the manner as shown in X, Y and Z respectively and punched. You have to choose from the alternatives how it will look when unfolded.





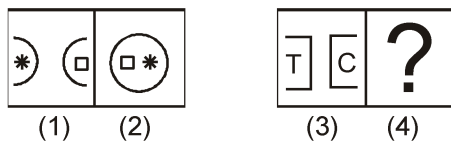
Directions : (53 to 56) In each of the following questions, choose the correct mirror image from alternatives A, B, C, and D of the figure (X).



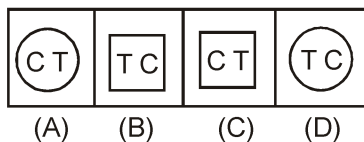


Directions : (57 to 60) Figures 1' and 2 are related in a particular manner. Establish the same relationship between figures 3 and 4 by choosing a figure from amongst the five alternatives, which would replace the question mark in figure (4).

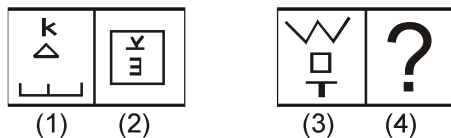
57. **problem Figures**



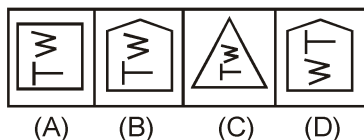
Answer Figures



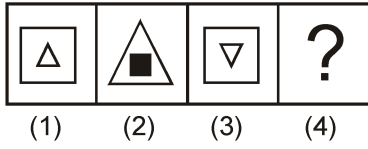
58. **problem Figures**



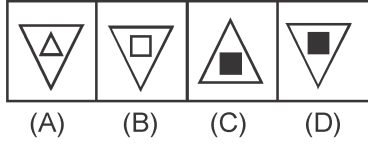
Answer Figures



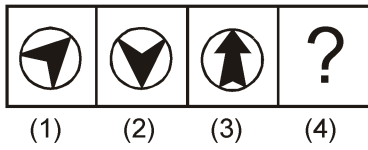
59. **Problem Figures**



Answer Figures



60. **Problem Figures**



Answer Figures

