

PM SHRI KENDRIYA VIDYALAYA SITAPUR

Class - VI Subject – Science

Time – 90 Min

MM - 40 Marks

Section A. - Multiple choice question

Q 1. Which is an example of a magnetic substance ? (1M)

- (A) Iron. (B) Nickel
(C) Cobalt (D) All of these

Q2. A freely suspended bar magnet rest in . (1M)

- (A) North - south direction (B) East - west direction
C. Upside down. (D) Any direction by chance

Q3. Magnets attract (1M)

- (A) Wood (B) Plastic (C) Paper (D) Iron

Q4. Which of the following is not a standard unit of measuring length? (1M)

- (A) Millimetre (B) Centimetre
C) Kilometre (D) Handspan

Q5. What is the SI unit of length ? (1M)

- (A) Foot . (B) Inch (C) Metre (D) Yard

Q6. Which type of motion does a swing exhibit? (1M)

- (A) Linear motion. (B) Circular motion
(C) Oscillatory motion. (D) Random motion

Q7. Which of the following objects are soft ? (1M)

- (A) Pillow and tennis ball
(B) Brick and table
(C) Brick and pillow
(D) Cricket bat and brick

Q8. Which of following material is not transparent ? (1M)

- (A) Cellophane sheet (B) Air
(C) Butter paper (D) Glass

Q9. Which of the following material is not soluble in water ? (1M)

- (A) Sugar. (B) Chalk powder
C. Salt. (D) Vinegar

Section B. Fill in the blank

Q10. Pen is made up of And..... Material (1M)

Q11. Lustrous materials have..... surfaces. (1M)

Section C. True /false

Q12. Lodestone does not show magnetic properties . (IM)

Q13. Wood is translucent while glass is opaque (T/F) (1M)

Section D. Match the Column

Q14. Match the object given below with the material from which they could be made. (3M)

OBJECT.	MATERIAL
(A) CHAIR	Leather
(B) Book.	(1) Plastics
(C) Toy.	(2) Paper
(D) Tumbler	(3) Wood
(E) Shoes.	(4) Glass

Section – E Assertion - reason

Q15. Assertion: A meter stick is used to measure length accurately.

Reason: A meter stick is divided into small units called centimeters, which help measure smaller lengths precisely.

Options: A) Both assertion and reason are correct, and the reason is the correct explanation of the assertion.

B) Both assertion and reason are correct, but the reason is not the correct explanation of the assertion.

C) The assertion is correct, but the reason is incorrect.

D) Both assertion and reason are incorrect.

Section – E Passage based question (3M)

Passage: Magnets are objects that produce a magnetic field, attracting or repelling certain materials, especially those made of iron, nickel, and cobalt. A magnet has two poles: the north pole and the south pole. The north pole of one magnet will attract the south pole of another magnet, while the like poles (north-north or south-south) will repel each other. Magnets are used in many devices like compasses, motors, and refrigerators. The Earth's magnetic field also acts like a giant magnet with a north and south pole, which is why a compass needle always points towards the magnetic north.

Questions:

Q16. What are the materials that magnets attract? (1M)

Q17. What happens when two magnets with the same poles (north-north or south-south) are brought near each other ? (1M)

Q18. What are the two poles of a magnet? (1M)

Section – F short answer

Q19. What are magnetic materials ? Explain with example . (2M)

Q20. How you can measure the length of a curved line accurately ? (2M)

Q20. Name three material which are soluble in water and 3 which or insoluble (3M)

Section - G long answer type question

Q21. Do magnetic poles exist separately like charge? Explain. (5M)

Q22. What do you and your friends discover when you compare the handspans ? (4M)

Q23. Are all lustrous materials metals ? (4M)