

SUBJECT: SCIENCE
CLASS : VI

TIME ALLOWED: 2 ½ HRS

MAX MARKS: - 60

S.NO	NAME OF THE CHAPTER	VSA (1MARK)	SA-I (2MARKS)	SA-II (3MARKS)	LA-I (5MARKS)	MCQ (1MARK)	MAX MARKS
1	SEPARATION OF SUBSTANCES	-----	04(2)	03(1)	-----	01(1)	8(4)
2	CHANGES AROUND US	01(1)	04(2)	-----	-----	01(1)	6(4)
3	BODY MOVEMENTS	01(1)	-----	03(1)	05(1)	-----	9(3)
4	ELECTRICITY AND CIRCUITS	01(1)	-----	06(2)	-----	01(1)	8(4)
8	FUN WITH MAGNETS	01(1)	02(1)	03(1)	-----	01(1)	7(4)
6	AIR AROUND US	-----	04(2)	03(1)	-----	-----	7(3)
7	GARBAGE IN GARBAGE OUT	01(1)	-----	-----	5(1)	01(1)	7(3)
8	THE LIVING ORGANISMS AND THEIR SURROUNDINGS OTBA	-----		03(1)	5(1)	-----	8(2)
	TOTAL	05(5)	14(7)	21(7)	15(3)	5(5)	60(27)

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TIME ALLOWED:-2:30 Hours

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GENERAL INSTRUCTIONS:

- (1) The question paper comprises of two sections A and B . You have to attempt all the two sections.
- (2) All questions are compulsory
- (3) Question number 1 to 5 are very short answer type questions. Each question carries 1 mark.
- (4) Question number 6 to 12 are short answer type questions. Each question carries 2 marks.
- (5) Question number 13 to 19 are also short answer type questions. Each question carries 3 marks.
- (6) Question number 20 and 22 are long answer type questions. Each question carries 5 marks.
- (7) Question number 23 to 27 are Multiple Choice Questions. Each question carries 1 mark.

SECTION A

- 1 To walk through a waterlogged area, you usually shorten the length of your dress by folding it. Can this change be reversed? 1
- 2 The contraction of _____ pulls the bones during movement. 1
- 3 Name the device that breaks or completes the circuit? 1
- 4 It is observed that a pencil sharpener gets attracted by both the poles of a magnet although its body is made of plastic. Name a material that might have been used to make some part of it. 1
- 5 What is the name given to low lying area which may be used to dump garbage? 1
- 6 State whether the following statements are true or false? 2
(a) Grain and husk can be separated by the processes of winnowing.
(b) A mixture of powdered sugar and salt can be separated by the process of filtration.
- 7 A drawing sheet changes when you draw a picture on it and colour it. Can you reverse this change? Explain. 2
- 8 Why does a lump of cotton wool shrink in water? 2
- 9 Write any two properties of a magnet. 2
- 10 How is salt obtained from sea water? 2

- 11 Write composition of air around us. 2
- 12 Classify the following as reversible or irreversible change 2
 (i)Melting of wax (ii)cooking of food (iii) growth of a plant (iv)burning of candle
- 13 How will you obtain clear water from a sample of muddy water? 3
- 14 Why should an electrician use rubber gloves while repairing an electric switch? 3
- 15 a)Name four types of joints found in our body 3
 b)Why can our elbow not move backwards?
- 16 Using the “conduction tester “on an object it is found that the bulb begins to glow. 3
 Is that object conductor or insulator? Explain
- 17 What are magnetic materials ? Give two examples. 3
- 18 List any three activities that are possible due to presence of air? 3
- 19 a)What is habitat? 3
 b) List any four common characteristics of living organisms.
- 20 What is ball and socket joint ?Where is it found in our body? Draw the diagram. 5
- 21 (a) What is compost 5
 (b) Do You think it is better to use compost instead of chemical fertilizer? Why?
- 22 (a)Write any three adaptations found in cactus which enable it to survive well in 5
 deserts.
 (b)Explain why speed is important for survive in the grassland for animals that live there?

SECTION B

- 23 Which of the following takes place during cloud formation? 1
 a) Evaporation b)Condensation
 c)Evaporation followed by condensation d) sublimation
- 24 Which of the following is a slow irreversible change 1
 a) growth of a baby b) cutting of paper
 c) bursting of cracker d)burning of matchstick
- 25 Which of the following is not an insulator 1
 a)leather b)wood
 c)Iron nail d)rubber

- 26 Which of the following can be easily converted into compost 1
- a)glass
 - b)plastic
 - c)metal
 - d)paper
- 27 A freely suspended magnet stops in 1
- a)north west direction
 - b) north south direction
 - c)east west direction
 - d)south west direction



MARKING SCHEME
CLASS VI
SCIENCE

Q. no	Details of answers- part wise	marks awarded value point wise
1	yes change can be reversed	1
2	muscles	1
3	electric switch	1
4	iron	1
5	landfill	1
6	a>true b>false	1 1
7	No correct reason	1 1
8	A lump of cotton wool shrinks in water because the air present between the fibres of cotton is replaced by water.	2
9	1.All magnets have two poles, north pole and south pole. 2.Like poles of two magnets repel each other and unlike poles of two magnets attract each other.	1 1
10	Salt is obtained from seawater by the process of evaporation	2
11	Nitrogen- 78% oxygen- 21% water vapour,Carbondioxide,smoke,dust,other gases – 1%	2
12	(i) reversible (ii),(iii),(iv) irreversible	2
13	correct explanation.	3
14	An electrician should wear rubber gloves while repairing electric switch because rubber is an insulator and does not allow electric current to pass through it . Hence, the electrician will not get any electric shock.	3
15	a)Correct names of joints b)our elbow can not move backwards because it has hinge joint which allows movement in only one plane and only upto 180°	2 1

16	conductor correct justification	1 2
17	Materials which get attracted towards a magnet are called magnetic materials. eg- iron, nickel	2 $\frac{1}{2} + \frac{1}{2}$
18	1. The air makes windmill rotate. 2. Birds, bats and insects fly due to presence of air. 3. Air helps in dispersal of seeds and pollen of flowers. (Or any three activities)	1 1 1
19	The surrounding in which a living being lives is called habitat. Any four correct characteristics	1 2
20	The joint in which the round end of one bone is fixed into the cavity of the other bone is called and socket joint. Ball and socket joint allows movement of bones in all directions (360°). Eg- Joint between shoulder and upper arm or joint between hip and upper leg. correct diagram	2 1 2
21	Correct definition Yes. It is better to use compost instead of chemical fertilizers because compost is organic in nature and enriches the soil and makes the soil fertile. Whereas chemical fertilizers are harmful for the soil.	1 1 3
22	a)any three adaptations b)correct explanation	3 2
SECTION B		
23	Evaporation followed by condensation	1
24	growth of a baby	1
25	iron nail	1
26	paper	1
27	north south direction	1