

Std.VI Section : _____

Subject : Science

Marks : 80

Date : _____

Term - I

Name : _____ Roll No. _____

Time : 3 Hrs.

General Instructions

Read the following instructions very carefully and strictly follow them:

- (i) This question paper comprises 39 questions. All questions are compulsory.
- (ii) This question paper is divided into five sections- A, B, C, D and E.
- (iii) Section A- Q. No. 1 to 20 are multiple choice questions. Each question carries 1 mark.
- (iv) Section B- Q. No. 21 to 26 are very short answer type questions. Each question carries 2 marks. Answers to these questions should be in the range of 30 to 50 words.
- (v) Section C- Q. No. 27 to 33 are short answer type questions. Each question carries 3 marks. Answers to these questions should be in the range of 50 to 80 words.
- (vi) Section D- Q. No. 34 to 36 are long answer type questions. Each question carries 5 marks. Answers to these questions should be in the range of 80 to 120 words.
- (vii) Section E-Q. No. 37 to 39 are of 3 source-based/ case-based units of assessment carrying 4 marks each th sub-parts.
- (viii) There is no overall choice. However, an internal choice has been provided in some sections. Only one of the alternatives has to be attempted in such questions.

Section A (1 mark each)

Q.1 : Which of the following is a metal?

- a) Rubber b) Glass c) Aluminum d) Plastic

Q.2 : Which of the following will float on water?

- a) Wax b) Marble c) Coin d) Iron nail

Q.3 : A stone will usually _____ in water.

- a) Float b) Dissolve c) Sink d) Evaporate

Q.4 : Which part of a plant can show movement?

- a) Leaf b) flower c) root d) all of these

Q.5 : Which of the following is an example of a non- living thing?

- a) Flower b) Cloud c) Fish d) Insect

Q.6 : Which of these animals has a streamlined body?

- a) Cockroach b) Snail c) Earthworm d) Fish

Q.7 : Ankle joint is an example of _____.

- a) pivot joint b) hinge joint c) gliding joint d) ball and socket joint

Q.8 : Movement is brought about by the contraction and relaxation of _____.

- a) muscles b) joints c) bones d) bones and joints

Q.9 : The exoskeleton of cockroach is made up of _____.

- a) chitin b) iron c) calcium d) cellulose

Q.10: Snail moves with the help of its _____.

- a) shell b) bone c) muscular foot d) whole body

- Q.11: Which of the following organs has cartilage instead of bones?
 a) Fingers b) Nose tips c) Biceps d) Vertebral column
- Q.12: The method of separation used to separate stones from rice is
 a) handpicking b) threshing c) winnowing d) all of these
- Q.13: The separation of grains from the husk is done by the process of
 a) handpicking b) sieving c) winnowing d) threshing
- Q.14: A bulb lights up only in _____.
 a) a closed circuit b) an open circuit
 c) in both d) series connection
- Q.15: What is the basic unit of life in all living organisms?
 a) Cell b) Molecules c) Atoms d) Electrons
- Q.16: In the arrangement shown in the figure, the bulb will not glow if the ends A and B are connected with
-
- a) A steel spoon
 b) A metal clip
 c) A plastic clip
 d) A copper wire
- Q.17: Assertion (A) Fats are important for the insulation and protection of vital organs .
 Reason (R) Fats give much more energy compared to carbohydrates .
 a) Both A and R are true and R is the correct explanation of the assertion.
 b) Both A and R are true but R is not the correct explanation of the assertion,
 c) A is true but R is false.
 d) A is false but R is true.
- Q.18: Assertion (A) Proteins are essential for growth and repair of body tissue
 Reason(R) Proteins can be obtained from both plants and animals .
 a) Both A and R are true and R is the correct explanation of the assertion.
 b) Both A and R are true but R is not the correct explanation of the assertion,
 c) A is true but R is false.
 d) A is false but R is true.
- Q.19: Assertion (A) : Winnowing is used to separate the heavier and lighter components of a mixture by wind or blowing air .
 Reason (R) : The process used to separate grains from stalks is known as handpicking.
 a) Both A and R are true and R is the correct explanation of the assertion.
 b) Both A and R are true but R is not the correct explanation of the assertion,
 c) A is true but R is false.
 d) A is false but R is true.

- Q.20: Assertion (A)- A closed circuit is necessary for electric current to flow .
Reason(R) - A closed circuit provides a complete path for electric charges to move.
- a) Both A and R are true and R is the correct explanation of the assertion.
 - b) Both A and R are true but R is not the correct explanation of the assertion,
 - c) A is true but R is false.
 - d) A is false but R is true.

Section - B (2 marks each)

- Q.21: A] 1) Define reproduction.
2) What are the requirements of the seed germination?

OR

- Q.21: B] 1) Define respiration .
2) Give two examples for each of the following
a) Egg laying animals and b) Giving direct birth to young ones.

- Q.22: Create a table for the stimulus and the response in the following :
a) Bees are attracted towards the scent of flowers?
b) The sunflower faces the sun.

- Q.23: A) Identify the type of joint present in the following locations of the human body.

1] Skull - _____

2] Hip - _____

3] Shoulder - _____

4] Elbow - _____

OR

- Q.23: B] Name the following

1] Skeleton present inside the body - _____

2] Place where two bones are joined together - _____

3] The shoulder joint is an example of _____

4] Ankle joint is an example of - _____

- Q.24: Differentiate between Sedimentation and Decantation.

- Q.25: Classify the following materials as conductors and insulators .

(Glass, Paper, Iron nail, Coin, Plastic sheet, Rubber, air, aluminium, water, copper)

- Q.26: Give one word for the following.

a] Places where electricity is generated on a large scale _____.

b] Metal that is most commonly used to make the filament of the bulb _____.

c] The cells that can be recharged and used again and again _____.

d] The complete path for the flow of electric current _____.

Section C (3 marks each)

- Q.27: Classify the following as magnetic and non -magnetic materials.

(Safety pin, plastic clips, eraser, glass, cardboard, iron nail, stones, paper, comb, sewing needle, key, feather and gold coin)

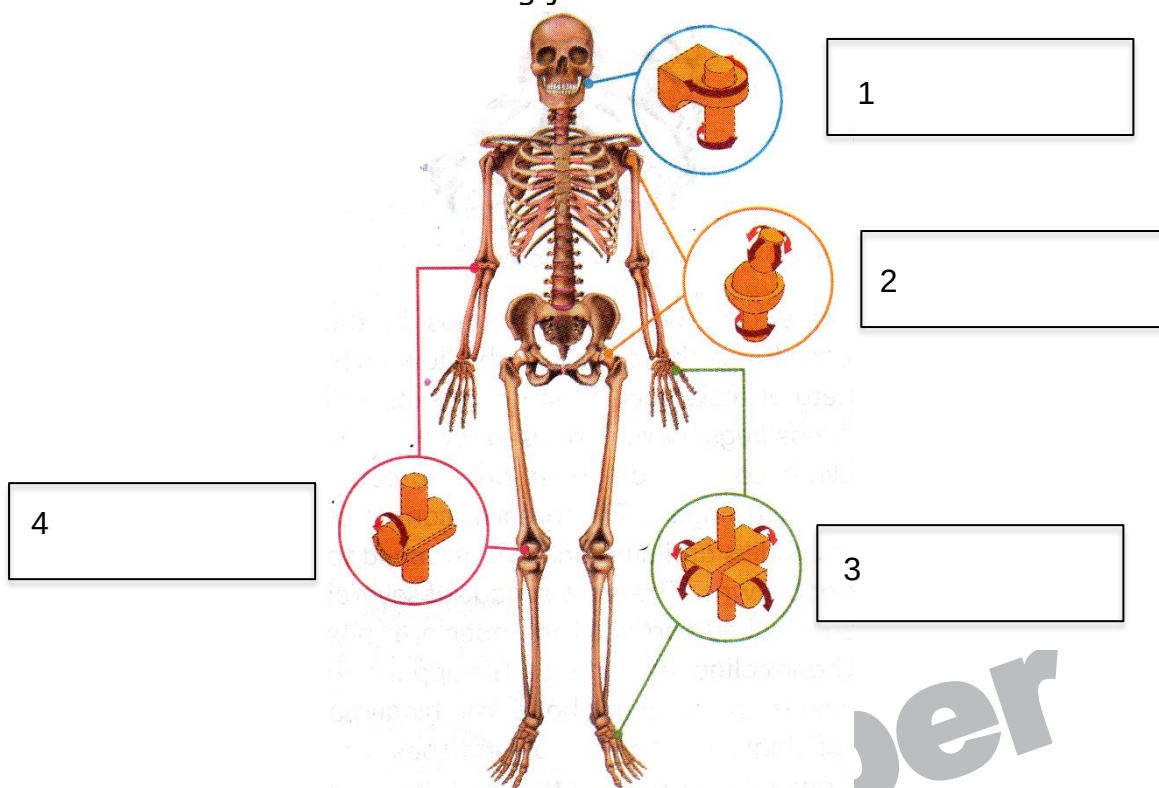
- Q.28: Identify the nutrients present in following food items.

(carbohydrate, Fats and proteins)

(Food items- Wheat, Cooked rice, Boiled egg - white part, Boiled egg - yellow part, Banana, Milk, Pulses)

Q.29: Differentiate between living things and non-living things.

Q.30: Write the names of the following joints.



Q.31: What do you mean by deficiency disease? Name any two deficiency diseases along with their symptoms.

Q.32 A] A mixture of iron nails, salt, oil and water is provided to you. Give a stepwise method to separate each component from the mixture.

OR

Q.32 B] Both Sarika and Mohan were asked to make salt solution.

Sarika was given a teaspoonful of salt and a half glass of water, whereas Mohan was given twenty teaspoons full of salt and half glass of water.

a] How would they make salt solutions?

b] Who would be able to prepare a saturated solution?

c] Which two things they needed to prepare lemonade?

Q.33: a] Name the two types of cells.

b] Define : a] Electric cell b] Battery

Section D (5 marks each)

Q.34 A) a] What is the difference between constipation and dehydration? 2M
b] Give two examples of : 1] Macro-minerals 2] trace minerals 2M
c] Define a balanced diet. 1M

OR

Q.34 B] 1) Give the importance of following nutrients in our body. 3M
a) Vitamin C b) Iron c) Iodine

2) Name the region of famous dishes. 2M
a) Rogan josh b) Dal bati churma
c) Kuzhi paniyaram d) Litti Chokha

Q.35 A) 1) Look at the following pictures and write in the blanks the characteristics of the living organisms that the picture depict. 3M



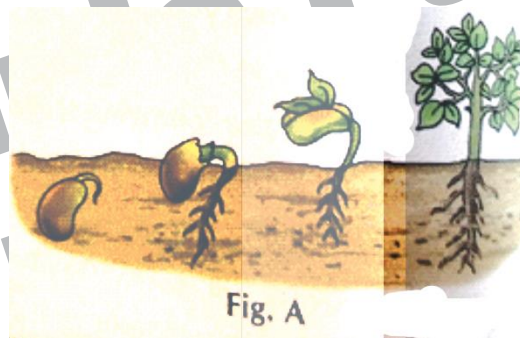
a) _____ b) _____ c) _____

2) Classify biotic and abiotic factors from the following : 2M
(Sun, temperature, soil, water, microorganism, human being, Animals, plants)

OR

Q.35 B) 1) What are the excretory products in plants? 2M

2) Which characteristics of living things are shown in the Fig.A given alongside? 2M

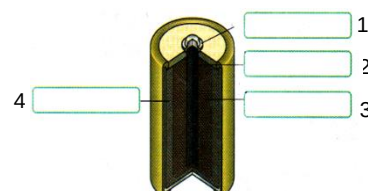


3) Which of the following were once a part of living things? 1M
[Leather, wool, electric bulb, salt, mango, wooden table, metallic bucket]

Q.36 A 1] Identify the following components of an electric circuit based on their function. 3M

- a] provide energy
- b] can stop the flow of electric current
- c] provides a path for flow of current .

2] Label the following diagram :



OR

- Q.36 B 1] Give reason for the following : 3M
- We use rubber slippers and gloves while carrying out electrical repairs
 - Metal wires carrying electricity are covered with plastic .
 - Complete the following analogy :
 - Electrical wires : copper : : Filament : _____
 - Copper : electrical wires : : _____ : wire coverings

2] Label the following diagram :

2M

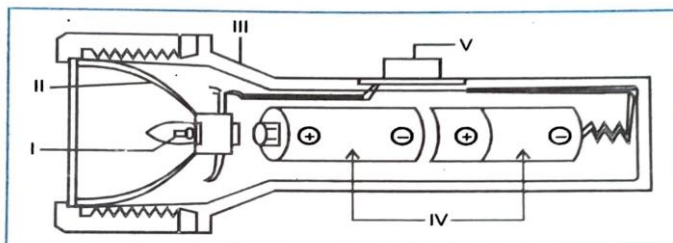


Fig. 12.29 : Inside view of a torch.

Section E (4 marks each)

Q.37: The property of materials to shine is known as lustre. The material which shine are called lustrous and the materials that do not shine are called non -lustrous. Mostly metals are lustrous, for example copper, iron, aluminium, silver and plastic, paper, wood, clay are non lustrous. Some metals such as copper and iron lose their lustre after some time because of the action of air and water and look dull.

- Define lustre. 1M
- Why do some metals appear dull? 1M
- Give four examples of lustrous material. 2M

OR

- Give four examples of non lustrous material.

Q.38: Yoga is a mind and body practice .It keeps the mind and body healthy. Practising yoga asanas regularly keeps our bones healthy and relieves stiffness of knee, hips and ankle joints. It also strengthens and tones the muscles and increases flexibility. Bhujangasana, trikonasana, setu bandhasana is used to fit the backbone.

- What is yoga? 1M
- What is the benefit of practising yoga? 1M
- How is yoga helpful in muscles? 2M

OR

- Name some asanas to keep backbone fit.

Q.39 : Filtration is a separation technique used to remove solid particles from a liquid by passing the mixture through a filter paper. This process allows the liquid (the filtrate) to pass through while retaining the solid particles, which form a residue on the filter. The process of filtration is widely used as a separation method in the following cases.

Water filters used at home, separating seeds from juice, separating tea from tea leaves.

- What is the purpose of filtration? 1M
- What is the name of the liquid that passes through the filter? 1M
- What is left behind on filter paper after filtration? 2M

OR

- Write any two Uses of filtration.