BUDHA DAL PUBLIC SCHOOL PATIALA
First Term Examination (6 September 2024)
CLASS - VI
PAPER- SCIENCE (SET-A)

M.M. 80

Time:3 hr.

General Instructions:
1. *All questions are compulsory.*
2. *Attempt all questions section wise in the serial order neatly and leave one line after every answer.*
3. *Draw neat and labelled diagrams wherever required.*

Section – I (10 marks)

(10×1=10)

Q1. Answer the following in one word :

1. Name the type of carbohydrate which is sweet in taste.
2. Write one source of roughage.
3. Which term is given to grouping of different objects on the basis of certain similarities and dissimilarities?
4. Name the hardest known natural substance.
5. Which gas is present in the soft drinks?
6. Name an animal which is well adapted to desert region.
7. Write the name of one free floating plant.
8. Name the liquid that passes through the filter paper during filtration process.
9. Write the name of one natural source of light.
10. What would be the colour of shadow of a green ball?

Section – II (20 marks)

(2×10=20)

Q2. Answer the following questions briefly :

1. Why do growing children need more protein in their diet?
2. How is obesity caused?
3. Write two differences between solid and liquid states of materials.
4. List two advantages of classification of objects.
5. How are aquatic animals able to survive in water?
6. Define homogeneous mixture with one example.
7. Why does a cactus plant have long roots but its leaves are reduced to spines?
8. What is camouflage? Write the name of one animal which shows camouflage.
9. What is lateral inversion?
10. Can shadow of an astronaut form on moon? Why?

OR

Define Solar Eclipse.

A-1

Section – III (30 marks)

Answer the following questions in detail :

(3×10=30)

Q3.

1. Write in your words how will you prove that starch is present in the potato sample.

2. Write three important functions of water in our body.

3. What are transparent and opaque objects? Give one example of each of them.

4. Write three symptoms of Marasmus disease.

5. Ria's mother goes to market to buy vegetables. Which method does she use to select the best vegetables and why?

6. Write any three differences between living and non-living things.

7. a) How is Yak able to survive on hilly areas? Write its adaptation in mountains.

   b) How do penguins survive in polar region?

8. Write a note on loading process with diagram.

9. What are materials? How will you find whether a material is lustrous or non-lustrous?

10. How is shadow formed? Write any two characteristics of shadow.

Section – IV (20 marks)

Q5. Multiple Choice Questions

(5×1=5)

1. Which of these organisms have webbed feet?

   a) Lion   b) Frog   c) Camel   d) Fish

2. Assertion (A) : We cannot see the candle flame through bent rubber tube

   Reason (R) : Light travels in straight line

   a) Both A and R are false
   b) A is true but R is false
   c) Both A and R are true
   d) A is false but R is true

3. When two liquids are immiscible, they are separated by using

   a) Funnel   b) Filter paper   c) Separating funnel   d) Pipe

4. The process of changing a liquid into its vapours on heating is called –

   a) Condensation   b) Distillation   c) Filtration   d) Evaporation

5. Which of these are body-building foods?

   a) Carbohydrates   b) Proteins   c) Minerals   d) Fats

A-2

Q6. Match the Following: (5×1=5)

Column I	Column II
1. Alcohol	a) Lustrous
2. Wood	b) Compressible
3. Gold	c) Miscible in water
4. Sponge	d) Immiscible in water
5. Coconut oil	e) Hard substance

Q7. Complete the table of deficiency diseases -   (5)

Vitamins /Minerals	Deficiency Diseases
1. Vitamin A	_____
2. _____	Goitre
3. _____	Anaemia
4. Vitamin C	_____
5. Vitamin D	_____

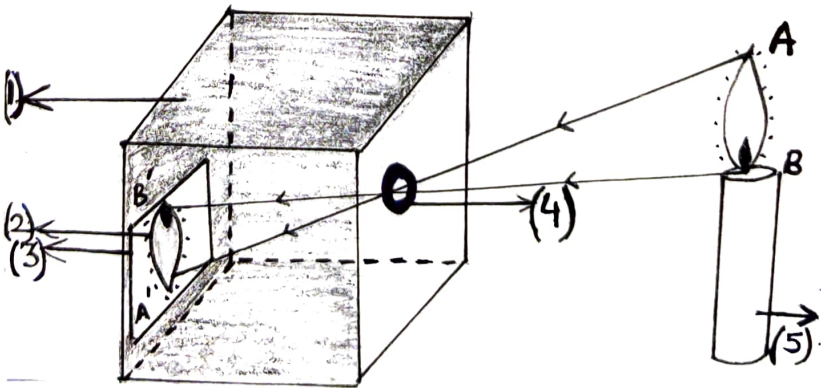**Q8.** **Diagram based questions:**   (5)

1. Label parts (1), (2), (3), (4) and (5) in the given diagram.   (5×2½=2½)

2. What is the principle of pinhole camera?   (1)

3. Write one use of pinhole camera.   (1)

4. What type of image is formed in the pin hole camera?   (½)

A - 3

Time:3 hr.

General Instructions:
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2. Attempt all questions section wise in the serial order neatly and leave one line after every answer.
3. Draw neat and labelled diagrams wherever required.

Section – I (10 marks)

(10×1=10)

Q1. Answer the following in one word :

1. Name the type of carbohydrate which is tasteless.
2. How much percentage of water by weight is present in human body?
3. Which term is given to a substance used in making different objects?
4. Write one use of diamond.
5. Which gas present in water is used by aquatic animals for their survival?
6. Name an animal which shows streamlined shape as adaptation in water.
7. Name one plant which is submerged in water.
8. Name the solid trapped in filter paper during filtration process.
9. Write the name of one artificial source of light.
10. What would be the colour of shadow of a white ball?

Section – II (20 marks)

Q2. Answer the following questions briefly :

(2×10=20)

1. Why do people recovering from illness need more protein in their diet?
2. Why should we avoid eating fat rich junk food?
3. Write two differences between solid and gaseous state of materials.
4. Why do some metals lose their shine and appear dull after sometime?
5. Why are soft drinks sealed under high pressure in bottles?
6. Define heterogeneous mixture with one example.
7. Write two features of pine trees that help them to adapt the mountain regions.
8. What is adaptation? Write one example of adaptation.
9. What is reflection of light?
10. How do you see your image in the water of a swimming pool?

OR

Define Lunar Eclipse.

B-1

Section – III (30 marks)

Q3. **Answer the following questions in detail :** (3×10=30)

1. Write in your words how will you prove that fat/ oil is present in peanuts.

2. List three advantages of roughage present in our food.

3. What are translucent and opaque objects? Give one example of each of them.

4. Write three symptoms of Kwashiorkor disease.

5. Seema's mother wants to remove pieces of wheat grains from the wheat flour. Which method should she use for separation and why?

6. Which animal is called the 'ship of the desert'? Write its two adaptations in desert.

7. Write any three differences between living and non-living things.

8. Write a note on sedimentation and decantation process.

9. You are given salt and chalk powder. Try to dissolve them separately in glass of water. Which one of them disappears in water after sometime? Why?

10. Differentiate between image and shadow. Write any three points.

Section – IV (20 marks)

Q5. **Multiple Choice Questions**

1. Which of these organisms have gills for respiration? (5×1=5)
   a) Fish   b) Frog   c) Whale   d) Dolphin

2. Assertion (A) : The colour of the shadow is always block.
   Reason (R) : The opaque object stops the light from passing through it.
   a) Both A and R are true
   b) A is true but R is false
   c) Both A and R are false
   d) A is false but R is true

3. The process of changing vapours into its liquid state on cooling is called –
   a) Evaporation   b) Winnowing   c) Condensation   d) Distillation

4. In loading process when some chemicals are added to suspension the rate of sedimentation -
   a) Decreases   b) Increases
   c) No change   d) First increase then decrease

5. Which of these are protective food?
   a) Fats   b) Carbohydrates   c) Vitamins   d) Proteins

Q6. **Match the Following:** (5×1=5)

Column I	Column II
1. Wax	a) Hard substance
2. Vinegar	b) Immiscible in water
3. Silver	c) Soft substance
4. Mustard oil	d) Miscible in water
5. Stone	e) Lustrous

Q7. Complete the table of deficiency diseases - (5)

Vitamins /Minerals	Deficiency Diseases
1. Vitamin D	_____
2. Iodine	_____
3. _____	Anaemia
4. _____	Beri – Beri
5. Vitamin A	_____

(5)

Q8. **Diagram based questions:** (6×2½=3)

1. Label parts (1), (2), (3), (4), (5) and (6) in the given diagram. (1)

2. Define filtration. (1)

3. Write one use of filtration process.

B-3