

Q8. Distinguish between ultrasonic and infrasonic sounds. Give two examples each. (2)

Section - C (one mark questions)

Q9. Explain the working of human ear with the help of flow chart. (3)

Q10. a) A ringing alarm clock is placed in vacuum. Why will you not be able to hear its ticking sound?

b) Write any four harmful effects of noise pollution. (1+2)

Q11. a) Why do astronauts wear specially designed suits when they go to space?

b) A force of 200N is applied on an area of 40m². Calculate the pressure. (2+1)

Q12. a) Rohit built an electric tester circuit using a bulb fitted in a holder, a cell, a key and connecting wires. His circuit is not working. What could be possible reasons for this?

b) Illustrate an activity to show electroplating of iron with copper with help of well labelled diagram. (2+3)

Chemistry (27)

Section - A (one mark questions)

Q1. What type of plastic cannot be processed again and again? (1)

Q2. Why is petroleum called 'black gold'? (1)

Q3. Which compound is formed due to reaction between carbon monoxide and haemoglobin. (1)

Section - B (two mark questions)

Q4. Give reasons:

i) Bakelite is used for making electrical switches.

ii) Synthetic fibres are uncomfortable during summers. (2)

Q5. What is meant by 'destructive distillation of coal'? Write any two products obtained by this process. (2)

Q6. Define spontaneous combustion. Give one example. (2)

Q7. Write any four points about the judicious use of fossil fuel. (2)

Section - C (two mark questions)

Q8. Compare synthetic fibres with natural fibres for following parameters:

i) Tensile strength ii) Water absorption capacity
iii) Inertness (3)

Q9. Draw neat and well labelled diagram of candle flame. Mention 3 zones and Hotness of each zone. (3)

Q10. What are the three conditions necessary for burning of a substance. (3)

Q11. Explain:

a) Why cannot we use water to extinguish the fire caused due to electric short circuit?

b) Why carbon dioxide is the best fire extinguisher? (3)

Section - D

Q12. Define:

a) Ignition temperature b) carbonisation
c) Thermoplastics d) Calorific value of fuel (4)

Biology (27)

Section - A (one mark questions)

Q1. Write the full form of NPK. (1)

Q2. Give one example of a chemical used for food preservation. (1)

Q3. Name the source book which keeps all the records of all endangered animals and plants. (1)

Section - B (two mark questions)

- Q4. a) How would you identify a healthy and a damaged seed on adding water?
b) Give reason for the above answer. (2)
- Q5. What is pasteurisation? Who discovered it? (2)
- Q6. Define endemic species. Give two examples. (2)
- Q7. Define migration. Why do birds migrate? (2)

Section - C

- Q8. Differentiate between fertilizers and manures. (Give three points) (3)
- Q9. a) What is deforestation?
b) What will happen if we go on cutting trees? Write any two points(3)
- Q10. a) Draw a well labelled diagram of a hoe. (5)
b) Give three advantages of transplantation.
- Q11. Define Nitrogen cycle. Write the steps involved in it. Draw its diagram. (5)

Budha Dal Public School Patiala (26 Sept. 2017)

UNIT - I

Class-VIII

Sub: G. Science

(SET-B)

Time: 3 hrs.

Marks: 80

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.*

Physics (26)

Section - A (one mark questions)

- Q1. What can you predict about liquid pressure from given figure. (1)
- Q2. Why is it difficult to walk on wet marble floor? (1)
- Q3. How will you define an amplitude of sound wave? (1)
- Q4. Define Electrolysis. (1)

Section - A (two mark questions)

- Q5. What are lubricants? How does lubricants reduce friction? (2)
- Q6. Name the effect of force in the following:
a) when you squeeze a lemon with hand
b) when a fielder catches a ball in cricket (2)
- Q7. a) An object is moving towards north-east direction, the force of friction is acting in which direction?
b) Explain one advantage of friction. (1+1)