

Q13. Write the working of human ear by drawing flow chart. (3×4=12)

Q14. (i) Define chemical effect of electric current.

(ii) With the help of an activity show the chemical effect of electric current: electroplating of copper on iron spoon. (5)

Chemistry (30)

Q1. Name the monomer of nylon. (1)

Q2. What is 4-R Principle? (1)

Q3. Name the compound which is added, in foam extinguisher of CO_2 , to produce foam. (1)

Q4. What are combustible substances? Give examples? (2)

Q5. Write two advantages of synthetic fibres over natural fibres. (2)

Q6. Give two differences between renewable and non-renewable resources. (2)

Q7. Why CO_2 is best fire extinguisher? (2)

Q8. What is the harmful effect of CO on our body? (2)

Q9. Give one use of each:
a) Bakelite b) Nylon c) Kerosene (3)

Q10. What are characteristics of an ideal fuel? (any three). (3)

Q11. Draw well labelled diagram of candle flame (mention all zones) (3)

Q12. How use of fossil fuel has caused pollution (any three points) (3)

Q13. Define the following terms: (5)

- 1) Global warming
- 2) Petroleum refining
- 3) Destructive distillation of coal
- 4) Inflammable substance
- 5) Polymer

Biology (30)

Note: Attempt all Questions neatly in serial order.

Q1. Which soil type needs least frequent irrigation?

Q2. Name 2 viral diseases.

Q3. Write the full form of WCU? (1×3=3)

Q4. What is the importance of biodiversity?

Q5. What are antibiotics? Give two examples.

Q6. Which precautions should be taken while selecting seeds?

Q7. Define communicable diseases. Give any two examples. (2×4=8)

Q8. Write any three ways by which we can conserve biodiversity?

Q9. complete the following table:

Sr. No.	Plant Disease	Disease causing	Plant (crop)
		Microorganism	Infected
1.	Red Rot	_____	Sugarcane
2.	Wilt	Fungi	_____
3.	Blight	Bacteria	_____
4.	White rust	_____	Mustard
5.	Tobacco mosaic	_____	Tobacco
6.	Rust of Wheat	_____	Wheat

Q10. Write any 3 advantages of transplantation. (3×3=9)

Q11.a) Identify the following diagram & label the parts A & B.

b) Value Based Question:

Farmers are using a large number of pesticides and fertilisers in their fields to increase crop production and to increase their profits. But by doing so they are causing damage to the soil as well as to the environment.

Answer the following questions based on the above information:

- i) Do you agree with this statement?
- ii) Why should we avoid eating fruits & vegetables without washing them properly?
- iii) Give two examples of fertilizers. (3)

Q12a) Define nitrogen cycle and name five steps involved in nitrogen cycle.

- b) Define weeds by giving two suitable examples. ($3\frac{1}{2}+1\frac{1}{2}=5$)

Budha Dal Public School Patiala (8 September 2015)

UNIT-I

Class-VIII

Sub: G. Science

Time: 3 hrs.

Marks: 90

General Instructions

- i) Attempt all the questions***
- ii) Draw diagrams wherever required***

Physics (30)

- Q1. Write the S.I. unit of force.
- Q2. Calculate the pressure exerted by a block of weight 200N on an area of 4m^2 .
- Q3. Name the type of friction that comes into play when one body is actually moving over the surface of another.
- Q4. What vibrates in a sitar?
- Q5. Addition of salt makes the distilled water _____ conductor of electricity. (1×5=5)
- Q6. What is frictional force? Give example.
- Q7. What is the relationship between:
 - (i) magnitude of friction and weight of the body.
 - (ii) friction and nature of surface in contact
- Q8. Draw a simple pendulum and define time period.
- Q9. Why does friction damage the machines? (2×4=8)
- Q10. Show by an activity that liquid exerts equal pressure at equal depth.
- Q11. Give reason: School bags are provided with wide straps to carry them.
- Q12. Write three ways of increasing friction.