

Max. Marks: 20 marks

**Preducate**

Max. Time: 45 minutes

Science, 9<sup>th</sup>

### Chemistry

1. State the difference between boiling and evaporation. (1)
2. Why Steam causes severe burn than boiling water? Explain. (2)
3. Generally, liquid is less dense than its corresponding solid. Yet ice floats on water, Why? (2)

### Biology

4. Differentiate between the following: (2×2=4)
  - a) Prokaryotic and Eukaryotic Cell.
  - b) Plant and Animal Cell.
5. Which cell organelle is known as suicidal bag of the cell and why? Explain. (3)
6. What is membrane biogenesis? Where does it take place? (3)
7. Give the functions of the following: (1×5=5)
  - a) Mitochondria
  - b) Plastids
  - c) Nucleus
  - d) Ribosomes
  - e) Golgi Complex

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