



**D.A.V. PUBLIC SCHOOL, CRRC, Medical Road, Gaya**  
**Sunday Test (Date 17/11/2024)**

**Class – X**  
**Sub. –science**

**Time : 40 Min**  
**F.M. - 20**

**Section - A (2 × 5 = 10 Marks)**

1. State the importance of DNA copying in reproduction.
2. Differentiate between binary fission and multiple fission.
3. Show the covalent bond formation of nitrogen and oxygen gas.
4. State two advantages of vegetative propagation.
5. Identify functional group of butanal butanoic acid.

**Section - B (5 × 2 = 10 Marks)**

1.a)Name the following:

- i)Thread like non-reproductive structures present in rhizopus.
  - ii) Blobs that develop at the tips of the non-reproductive threads in rhizopus.
- b)List three conditions favourable for spores to germinate and grow.

2a).Name the following compounds:

- i)CH<sub>3</sub>–CH<sub>2</sub>–OH
  - ii)CH<sub>3</sub>CH<sub>2</sub>–CH=CH<sub>2</sub>
- b) Write the name and formula of the second member of the homologous series of carbon compounds whose general formula is C<sub>n</sub>H<sub>2n</sub>.
- c) What is catenation?

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