

Time 10 min

MCQ Science Class X

MM 7.5

**1/2 mark each**

1. Which one of the following is depicted in the sketch of a slide shown below.

- (i) Budding in Yeast
- (ii) Binary fission in yeast
- (iii) Budding in Amoeba
- (iv) Binary fission in Amoeba



2. The part of leaf commonly used for preparing the slide of stomata is

- (i) leaf margin
- (ii) leaf apex
- (iii) leaf epidermis
- (iv) leaf petiole

3. In an experiment on Photosynthesis, the leaf is boiled in alcohol for a few minutes using a water bath. It is essential because

- (i) Alcohol is highly volatile
- (ii) Steam from the water bath heats the leaf rapidly
- (iii) Steam from both the water and alcohol dissolves the chlorophyll
- (iv) Alcohol is flammable

4. The seeds used in the experiment to show that  $\text{CO}_2$  is given out during respirations are:

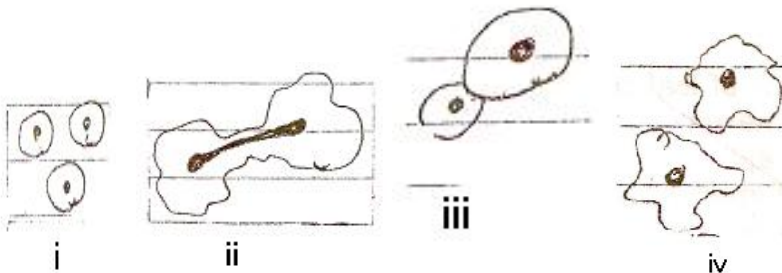
- (i) dry seeds
- (ii) boiled seed
- (iii) crushed seeds
- (iv) germinating seeds

5. Yeast culture can be prepared at a room temperature in a medium of

- (i) Sugar solution
- (ii) Salt solution
- (iii) Alcoholic solution
- (iv) Pure water

## 1 mark each

6. 5 g of raisins were placed in distilled water for 24 hrs. The weight of soaked raisins was found to be 7 g. The correct % of water absorbed by raisins is.
- (i) 20%
  - (ii) 25%
  - (iii) 40%
  - iv) 45
7. Products of photosynthesis are
- (i) Glucose and water
  - (ii) Starch and carbon di-oxide.
  - (ii) Water and oxygen
  - (iv) Glucose water and oxygen
8. Germinating seeds are used in the respiration experiment because
- i) only radicle respire
  - (ii) germinating seeds actively metabolise food to get energy
  - (iii) germinating seeds do not metabolise
  - (iv) more energy is provided by the sun.
9. Out of the four slides I, II, III, IV, whose details are shown below, which one should be focussed under the microscope for showing binary fission in Amoeba.



10. When cells are kept at high temperature, the contents of the cell ooze out because
- (i) cell wall dies
  - (ii) cell membrane dies and becomes permeable
  - iii) cell wall becomes semi permeable
  - (iv) one of the above

