



# BIOLOGY

## BOOKS - SARAS PUBLICATION

### MODEL PRACTICE QUESTION PAPER-2

#### Exercise

1. Which of the following organism is pollution indicator?

A. Bacteria

B. Lichens

C. Fungi

D. Algae

**Answer:**



**Watch Video Solution**

**2. Aggregate fruit develops from**

A. Multicarpellary, apocarpous ovary

B. Multicarpellary, syncarpous ovary

C. Multicarpellary ovary

D. Whole inflorescence

**Answer:**



**Watch Video Solution**

**3.** Keeping in view the fluid mosaic model for the structure of cell membrane, which one of the following statements is correct with respect to the movement of lipids and

proteins from one lipid monolayer to the other

A. Neither lipid nor proteins can flip-flop

B. Both lipid and proteins can flip-flop

C. While lipids can rarely flip-flop proteins cannot

D. While proteins can flip-flop lipids cannot

**Answer:**



**Watch Video Solution**

4. Plant and animal cell division differ in

A. Cell plate

B. Prophase

C. Telophase

D. Metaphase

**Answer:**



**Watch Video Solution**

5. According to this theory, the enzyme dehydrogenase on inner surface is responsible for the formation of protons ( $H^+$ ) and electrons ( $e^-$ )

- A. Cytochrome pump theory
- B. Contact exchange theory
- C. Carbonic acid exchange theory
- D. Munch flow hypothesis theory

**Answer:**



Watch Video Solution

6. Assertion (A): Increase in Proton gradient inside lumen responsible for ATP synthesis

Reason (R ): Oxygen evolving complex of PS I located on thylakoid membrane facing Stroma, releases  $H^+$  ions

- A. Both Assertion and Reason are True
- B. Assertion is True and Reason is False.
- C. Reason is True and Assertion is False.
- D. Both Assertion and Reason are False.

**Answer:**



**Watch Video Solution**

7. Endosperm in Gymnosperm is formed.

A. At the time of fertilization

B. Before fertilization

C. After fertilization

D. Along with the development of embryo

**Answer:**



**Watch Video Solution**

**8. What are sieve tubes ? Explain.**



**Watch Video Solution**

**9. List out the non- photosynthetic parts of a plant that need a supply of sucrose ?**



**Watch Video Solution**

**10.** Is cladode a stem or a leaf. Justify.



**Watch Video Solution**

**11.** Write the physiological effect of Cytokinins.



**Watch Video Solution**

**12.** Define karyotaxonomy.



**Watch Video Solution**

13. What are oligosaccharides?



[Watch Video Solution](#)

14. How will you distinguish Solanaceae members from Liliaceae members?



[Watch Video Solution](#)

15. What are 70S ribosomes?



[Watch Video Solution](#)

**16.** Distinguish the anatomy of dicot stem from monocot stem.



**Watch Video Solution**

**17.** Write short notes on herbarium.



**Watch Video Solution**

**18.** What is amber ?



[Watch Video Solution](#)

**19.** What is gelation?



[Watch Video Solution](#)

**20.** Write about Pachytene and diplotene of prophase I.



[Watch Video Solution](#)

**21.** What is kinetochore?



**Watch Video Solution**

**22.** Describe the structure of chloroplast.



**Watch Video Solution**

**23.** Define calmodulin.



**Watch Video Solution**

**24.** Grasses have an adaptive mechanism to compensate photorespiratory losses and describe the mechanism.



**Watch Video Solution**

**25.** Explain Kuhne's fermentation experiment.



**Watch Video Solution**

**26.** What is the formula used to measure the growth of plants of plants by Arc auxanometer?



**Watch Video Solution**