

## SECTION 'B'

### SHORT ANSWER QUESTIONS (18 Marks)

- Q.2 Attempt any Ten part questions. Each question carries one mark. Answer should not exceed two lines.
- What is Phagocytosis?
  - Name types of bacteria on the basis of shape.
  - Name various divisions of Fungi.
  - What is ATP?
  - Define Viroids.
  - Write the floral formula of family Solanaceae.
  - Write botanical names of any two of the following:  
☆ Wheat ☆ Rice  
☆ Red Pepper ☆ Rose
  - Name any three subdivisions of Tracheophyta.
  - Name various classes of Bryophyta.
  - What is Lenticular transpiration?
  - Name first stable compound of Krebs cycle.
  - Define Ascent of Sap.

- Q.3 Attempt any four part questions. Each question carries two marks. Answer should not exceed five lines.

- What is meant by Binomial Nomenclature?
- Write silent features of Cyanobacteria.
- Describe any one of the following:  
☆ Evolution of Seed ☆ Evolution of Leaf
- Mention the deficiency symptoms of Nitrogen in Plants.
- Define Facilitated Diffusion.
- Write a note on oxidative phosphorylation.
- Draw any one of the following:  
☆ Marchantia Thallus

Science Group

- ☆ Floral diagram of family Fabaceae

- Describe role of water in light reaction.

## SECTION 'C'

### DETAILED ANSWER QUESTIONS (09 Marks)

**NOTE:** Attempt any ONE question from this Section. All questions carry equal marks.

- Q.4(a) Draw and describe the life cycle of Moss.  
(b) Describe Fluid Mosaic Model of plasma membrane. (Diagram not required)
- Q.5(a) Describe the Glycolysis Pathway.  
(b) Define Transpiration. Describe mechanism of opening and closing of stomata.
- Q.6(a) Write the floral characters, floral formula and floral diagram of any one of the following families:  
☆ Rosaceae ☆ Mimosaceae  
(b) Describe and draw the life cycle of Zygomycota fungi.