

# PRACTICAL MODEL PAPER

**BIOLOGY**

( INTERMEDIATE )

Time Allowed : 3.00 Hours

Practical

Maximum Marks : 30

1. Prepare a slide to study the mesophyll cells in leaf. Draw its labelled diagram. 3
  2. Describe in technical terms the following parts of the specimen provided :  
(i) Calyx (ii) Corolla (iii) Gynoecium 3
  3. Pick out \_\_\_\_\_ from the skeleton provided. Draw its labelled diagram. 3
  4. Identify the slide / specimen A, B, C, D and E. Give one important character of slide / specimen A, B and C. Give phylum of specimen D and class of specimen E. 5
  5. Perform one of the following experiments allotted to you by the Examiner. Write down its procedure and observations / results. Also answer the given questions : 10
    - (i) Perform biochemical tests for the detection of carbohydrates in the given solution.  
**Short Questions :** (a) Name few reducing sugars.  
(b) In which form carbohydrates are stored in plants and animals?
    - (ii) Perform an experiment to study the effect of temperature on the activity of enzyme (pepsin).  
**Short Questions :** (a) What is the optimum temperature?  
(b) What will happen to enzyme activity if temperature is increased above the optimum value?
    - (iii) Set up an experiment to show the phenomenon of geotropism in plants.  
**Short Questions :** (a) Define geotropism.  
(b) What type of response to light is shown by shoot and root?
  6. Practical Note Book. 3
  7. Viva Voce. 3
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