

MODEL PAPER BIOLOGY PRACTICAL

Intermediate Composite Examination, 2008 & Onward

Marks: 30

Time Allowed 3:00 Hours

- Q.No.1.** Prepare a temporary mount of material provided. Identify & draw a labelled diagram **3**
- Q.No.2.** Describe in technical terms the following parts of the specimen provided. **4**
i. leaf ii. corolla iii. Androecium iv. Gynaecium
- Q.No.3.** Pick out ----- from the Skeleton provided. Draw its labelled diagram. **4**
- Q.No.4.** Identify the slide/ specimen A, B, C, D. Give at least one important Character. **4**
- Q.No.5.** Perform one of the following experiments allotted to you by the examiner. Write down its procedure and record your observations/ results. Answer the questions pertaining to it. **10**
- i. Perform one test for detection and one for confirmation of the presence of proteins in the given solution.
Short questions.
a. What is the role of mRNA in the synthesis of proteins?
b. Name two proteins found in human body.
- ii. Set up an experiment to determine the effect of wind and removal of leaves from the plant on the rate of transpiration.
Short questions.
a. Why stomata are closed at night?
b. From which surface of leaf more transpiration takes place? Why?
- iii. Dissect the animal provided to expose its main arteries.
Short questions.
a. What is meant by double circuit circulation?
b. Where are the ovaries of frog located?
- Q.No.6.** Practical Note Book **2**
- Q.No.7.** Viva Voce **3**

Key for Examiner

Q.No.1. Muscles of cockroach

Q.No.2. Solanum nigrum

Q.No.3. Pectoral Girdle of frog

Q.No.4.

- A. T.S. of Dicot stem
- B. Moss plant Gametophyte
- C. 48 hours chick embryo
- D. Ascaris

Q.No.5.

- i. Egg albumen
- ii. Potometer
- iii. Forg

Instructions to Examiners

Q.No.1. Prepration 1½
Identification ½
Labelled diagram 1

Q.No.2. One mark for each part.

Q.No.3. Diagaram 2
Labelling 2

Q.No.4. Identification ½
Character ½

Q.No.5. Procedure 3
Performance 3
Observations / Results 2
Short questions 2