



# QUAID-I-AZAM UNIVERSITY ISLAMABAD

B.A./B.Sc. Annual Examinations--2013  
(PART-I)

Roll No: \_\_\_\_\_

SUBJECT: **Botany**

PAPER: **B (Theory)**

July 02, 2013

## SECTION-B AND C (SUBJECTIVE)

To be attempted in 2 hours and 35 minutes

Max Marks: 32

**Note: Attempt any FOUR questions selecting THREE from Section-B and ONE from Section-C; draw neat and labelled diagram where required.**

### **SECTION-B** (Phytography and Anatomy)

**Q.No. 2** What is INFLORESCENCE, give detail of CYMOSE INFLORESCENCE? (1+7=8)

**Q.No. 3** What is a FRUIT, give three types of simple SUCCULENT FRUITS and give three examples of each type. (1+3+4=8)

**Q.No. 4** Give a detail account of CHEMICAL COMPOSITION and STRUCTURE of CELL WALL. (2+6=8)

**Q.No. 5** Compare between MONOCOT and DICOT STEM alongwith labelled diagrams. (8)

**Q.No. 6** Explain STRUCTURE of PHLOEM TISSUE in detail. (8)

**Q.No. 7** Write notes on the following: (4+4=8)

- (a) MERISTEMS
- (b) SELF POLLINATION

### **SECTION-C** (Plant Systematics)

**Q No. 8** What is **BINOMIAL NOMENCLATURE**? Give its general rules and significance. (1+5+2=8)

**Q No. 9**

- (a) Give diagnostic features of family BRASSICACEA alongwith its economic importance. (6)
- (b) Give four important genera of the family BRASSICACEA. (2)