Total No. of Questions : 6]

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# [5049]-206 F.Y. B.Pharmacy PHARMACOGNOSY (2013 Pattern) (Semester - II)

Time: 3 Hours [Max. Marks: 70

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate answer books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) All questions are compulsory.

#### **SECTION - I**

### *Q1*) Attempt any One:

a) Explain in detail History of structure of DNA along with detail information on RNA-Translation. [10]

OR

b) Elaborate in detail general morphology and Microscopy of wood.

# **Q2)** Attempt any Five:

[15]

- a) Enlist various subclasses of economic botany.
- b) Describe in brief primary structure of protein.
- c) Provide secretory products of plant origin.
- d) Provide classification of stomata on the basis of arrangement of subsidary cells.
- e) Provide types of inflorescences.
- f) Explain in brief Meristematic Tissue.
- g) Explain in brief DNA structure.

# **Q3)** Write short note on any Two of the following:

[10]

- a) Mendelian genetics.
- b) Mitosis.
- c) Structure and Functions of Vascular Tissue system.
- d) Morphology of Leaf.

#### **SECTION - II**

#### **Q4)** Attempt any One:

a) Elaborate a detail account of Defination and classification of crude drugs. [10]

OR

b) Provide in detail significance of western Ghat Biodiversity and factors responsible for rapid degradation of habitats of western Ghats.

### **Q5**) Attempt any Five:

[15]

- a) Explain in brief Cytokinins as a plant growth regulator.
- b) Explain in brief parasitic mode of nutrition.
- c) Explain in brief Artificial method of classification.
- d) Explain various types of ecological succession.
- e) Provide merits of Bentham and Hookers system of classification.
- f) Describe in brief polyploidy breeding.
- g) Provide importance of plant taxonomy.

# **Q6)** Write short note on any Two of following:

[10]

- a) Mode of Nutrition in plant physiology.
- b) Pollution and global warming.
- c) History of Pharmacognosy.
- d) Hybridization.

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