Total No. of Questions : 6]

SEAT No. :

P1437

[Total No. of Pages : 2

[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 follwoing: **[10]**

a) Mendelian genetics.

b) Mitosis.

c) Structure and Functions of Vascular Tissue system.

d) Morphology of Leaf.

P.T.O.

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.