



GW-8165

Seat No. _____

First Year B. Pharm. Examination

May / June – 2009

Pharmacognosy - I

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Attmppt any **four** questions from each section.
 - (2) All questions carry **10** marks each.
 - (3) Draw neat and labelled diagram wherever **necessary**.
 - (4) Use **separate** answer book for each section.

SECTION - I

- 1** Write short notes : **10**
 - (a) Apex of leaf and shape of leaf.
 - (b) Modification of tap root system.

- 2** Enumerate factors affecting cultivation. Discuss any two of them with suitable example. **10**

- 3** Define cell. Draw neat and labelled figure of typical plant cell. Describe any four components of cell in detail. **10**

- 4**
 - (a) Classification of crude drug. **10**
 - (b) Properties and classification of Glycoside.

- 5** Asnwer the following questions very briefly : (any **five**) **10**
 - (i) Classify the plant kingdom.
 - (ii) Sub-aerial modification of stem.
 - (iii) Differentiate mitosis and meiosis.
 - (iv) Infloresance and its types.
 - (v) Scope of pharmacognosy.
 - (vi) Parts of flower with typical figure.
 - (vii) Polyploidy.

SECTION - II

- 6** What do you mean by evaluation of crude drugs? **10**
Explain the physical and chemical evaluation methods for crude drugs.
- 7** Give classification, general characters, floral formula and floral diagram of family Apocynaceae. Mention at least two plants belonging to it. **10**
- 8** Write B.S, family, C.C. and uses : (any **three**) **10**
(i) Wool fat
(ii) Arachis oil
(iii) Acacia
(iv) Sterculia gum.
- 9** Write short notes : (any **two**) **10**
(i) Reproduction in Amoeba.
(ii) Classification of carbohydrates.
(iii) Lipids – properties and classification.
- 10** Define the following terminology : (any **five**) **10**
(i) Phyllotaxy
(ii) Aestivation
(iii) Placentation
(iv) Pharmacognosy
(v) Germination
(vi) Perigynous flower
(vii) Perianth.
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