

Seat Number

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TT - 005

Sum - 18



T 1.1.2

**Pharmacognosy - I (1120) (Also Old Sem.- II Equivalence)
(T122)**

P. Pages : 2

Time : Three Hours

Max. Marks 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicates full marks.

SECTION - I

1. Solve any five. 10
 - a) Define 'Biological Source' with example.
 - b) Write the contribution of 'Charak' & Galen'.
 - c) Enlist the exogenous factors affecting for cultivation of crude drugs.
 - d) What is drying & give its types.
 - e) What is 'Papyrus-Ebers'.
 - f) Write merits of sexual method of propagation.
 - g) Enlist the different types of sources of DONO with examples.
2. Solve any four. 20
 - a) Define pharmacognosy and write the scope of pharmacognosy.
 - b) Describe in detail about 'Apocynaceae' family.
 - c) Enlist different methods of classification of crude drugs. And add a note on any two methods with examples.
 - d) What are plant growth regulators. Explain Abscisic acid.
 - e) Write in detail about collection, processing and storage of crude drugs.

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- f) Define Pesticide. Write the methods of pest-control and explain in detail any one.

3. Solve **any one**.

10

- a) Explain in detail the exogeneous factors affection for cultivation of crude drugs.
b) Define soil Fertility, give classification of soil. And add a note on plant fertilizers & manures.

SECTION - II

4. Solve **any five**.

10

- a) Write the identification test for Tragacanth.
b) Define stomatal no. & vein iselet no.
c) Give the Biological source and uses of Honey.
d) Define Deterioration & sophistication.
e) Enlist the various types of Dicotyledonous stomata.
f) Explain Ash value.
g) Write Biological source of
i) Isabgol ii) Pectin

5. Solve **any four**.

20

- a) Write B.S. C.C. chemical test & uses of Agar.
b) Define carbohydrates. Write the classification and general chemical tests for carbohydrates.
c) Define Adulteration. Explain in detail various types of adulteration of crude drugs.
d) Explain in detail morphological & microscopical evaluation of crude drugs.
e) Write B. S. C. C. chemical test & uses of -castor oil.
f) Define Extraction. Explain different methods of Isolation.

6. Solve **any one**.

10

- a) Enlist different methods used for evaluation of crude drugs. Explain in detail physical evaluation.
b) Write a note on
i) Acacia gum
ii) Method of preparation of Bees Wax and starch
