



PH-1612050701020500 Seat No. _____

**Master of Pharmacy Management (Sem. II) (CBCS)
Examination**

July – 2018

Pharmacognosy-II

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Attempt three questions from each section.
(2) Questions 1 and 5 are compulsory.
(3) Figure to the right indicates full marks for the respective question.

SECTION-I

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|----------|--|-----------|
| 1 | Explain the following terms : (Any SEVEN) | 14 |
| | (1) Stomatal index and stomatal number | |
| | (2) Palisade ratio | |
| | (3) Carbohydrate | |
| | (4) Collateral and bicollateral vascular bundle | |
| | (5) Crude drugs | |
| | (6) Poly houses | |
| | (7) Fruit | |
| | (8) Heart wood and sap wood | |
| | (9) Bark | |
| | (10) Hybridization. | |
| 2 | (A) Describe in brief marine and animal as sources of crude drugs and differentiate between organized and unorganized crude drugs. | 7 |
| | (B) Discuss function of root and modification of root. | 6 |
| 3 | (1) Discuss function of stem and underground modification of stem. | 7 |
| | (2) Define Fruit. Write the classification of it with examples. | 6 |

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| 4 | (1) Define evaluation of crude drugs. Explain in detail microscopic evaluation of crude drugs. | 7 |
| | (2) Write synonym, Biological source, Chemical constituents and uses of Starch. | 6 |

SECTION-II

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|---|---|----|
| 5 | Answer the following questions : (Any TWO) | 14 |
| | (1) Define leaf. Write functions of leaf. Give types of apex and margin of the leaf with diagram. | |
| | (2) Define adultration. Discuss different methods of adultration with examples. | |
| | (3) Explain factors affecting cultivation of crude drugs. Give significance of factors on cultivation of crude drugs. | |
| 6 | (1) Give detailed account on plant hormones with examples. | 7 |
| | (2) Write Synonym, Biological source, Chemical constituents and Uses of Isapgol seed. | 6 |
| 7 | (1) What are gums ? Give detailed account on Acacia, Tragacanth and Guar gum. | 7 |
| | (2) Give B.S., Chemical constituents, identification tests, method of preparation and uses of honey. | 6 |
| 8 | (1) Define stomata. Discuss its function and types. | 7 |
| | (2) Define plant tissue. classify it and discuss simple permanent tissues with its function. | 6 |
