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Total Number of Pages : 01

**B.Pharm
15PH304**

3rd Semester Back Examination 2019-20

PHARMACOGNOSY-II

BRANCH : B.PHARMA

Max Marks : 100

Time : 3 Hours

Q.CODE : HB670

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part-I

Q1 Only Short Answer Type Questions (Answer All-10) (2 x 10)

- a) What is the biological source of Fennel?
- b) Define Pharmaceutical aids.
- c) Write the chemical constituents of Musk.
- d) Write two uses of Valerian.
- e) What are the chemical constituents of Momordica?
- f) What are the uses of Garlic?
- g) State the biological source of Cardamom.
- h) Write the chemical constituents of Sandal wood.
- i) State the important properties of Volatile oil.
- j) Write the biological source of Turmeric.

Part-II

Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) (6 x 8)

- a) Describe Photosensitizing agent with examples.
- b) Write the application of Plant Biotechnology in Pharmacy and allied fields.
- c) What are the Source, Chemical constituents and Uses of Cotton and Wool?
- d) State the classification of Fibres with examples.
- e) Write the Biological source, Chemical constituents and Uses of Ginkgo biloba.
- f) Write the classification of Volatile oil with example.
- g) Write notes on Annatto.
- h) Describe in details about general methods of extraction of Volatile oil.
- i) Write the Biological source, Chemical constituents and Uses of Citronella.
- j) What are the Source, Chemical constituents and Uses of Mentha and Dill?
- k) Explain different types of antioxidant with suitable examples.
- l) Write the Biological source, Chemical constituents and Uses of Clove.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

- Q3** Enumerate the historical prospects and development of Plant Biotechnology. **(16)**
- Q4** Describe the detail and systematic Pharmacognostic study of Cinnamon. **(16)**
- Q5** Write the Source, Chemical constituents and Uses of Gelatin and Diatomite. **(16)**
- Q6** What are the different types of natural allergen? Describe in details with suitable example. **(16)**