

[LL 1017]

OCTOBER 2017

Sub. Code: 7602

**FELLOWSHIP IN STANDARDICATION OF ISM DRUGS EXAMS
FINAL EXAMS
PAPER II – BOTANICAL & CHEMICAL TESTING OF ISM DRUGS**

Q.P. Code: 237602

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe about role of pharmacognosy in the herbal industry and importance in ISM drugs.
2. Explain about the preparation of herbal drugs to the market with respect of good agriculture practice.

II. Write notes on:

(10 x 6 = 60)

1. Give the importance of plant growth regulators in production of secondary metabolite.
2. Recent advances in pharmacognosy respect to ISM drugs.
3. Discuss about the methods of extraction of ISM drugs.
4. Write a note on bio-markers in the standardization of ISM drugs.
5. Application of spectral studies in ISM drugs.
6. Fermentation technique used in production of secondary metabolite.
7. Write in detail about the drug discovery of ISM drugs.
8. High Through Put screening.
9. Write about the history and scope of pharmacognosy.
10. Give a note on isolation of phyto-constituents using chromatography.

[LN 1018]

OCTOBER 2018

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**FELLOWSHIP IN STANDARDIZATION OF ISM DRUGS EXAMS
FINAL EXAMS
PAPER II – BOTANICAL & CHEMICAL TESTING OF ISM DRUGS**

Q.P. Code: 237602

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the identification of herbal drugs by spectral studies.
2. Describe in detail about the drug discovery from medicinal plants.

II. Write notes on:

(10 x 6 = 60)

1. Modern methods of extraction of phytoconstituents.
2. High through put screening.
3. Application of NMR in the structural analysis of phytomolecules.
4. Methods of processing of Herbal drugs.
5. Role of Auxins in the production of secondary metabolites.
6. Role of Pharmacognosy in the herbal drug industry.
7. Chemical methods of analysis of Glycosides.
8. Role of HPTLC in the evaluation of plant constituents.
9. Methods of estimation of heavy metals in ISM drugs.
10. Methods of identification of pesticides in herbal preparation.
