

[LL 1017]

OCTOBER 2017

Sub. Code: 7603

**FELLOWSHIP IN STANDARDICATION OF ISM DRUGS EXAMS
FINAL EXAMS
PAPER III – BIOLOGICAL SCREENING OF ISM DRUGS**

Q.P. Code: 237603

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe any one preclinical screening method to investigate a ISM drugs acting as
 - a) Peripheral analgesics
 - b) Hypolipidemic
 - c) Hepato-protective
 - d) Anti-bacterial
2. Discuss in detail about the toxicity studies of ISM drugs as per AYUSH guidelines.

II. Write notes on:

(10 x 6 = 60)

1. Discuss the importance of following tests in pharmacological screening methods:
 - a) Tooth pulp test
 - b) Dye leakage test
2. Write in brief about 28 days repeated dose toxicity study according to OECD guidelines.
3. Write a note on microbiological assay.
4. Write a note on screening method for anti-fertility agents.
5. Write note on Microculture Tetrazolium Test (MTT).
6. Describe the following tests:
 - a) Cotton pellet granuloma test
 - b) STZ diabetic test
7. Write a note on Pole climbing apparatus test.
8. Explain adjuvant induced arthritis in animal models.
9. Describe a method to screen anti-viral potency of ISM drugs.
10. How a delayed type hypersensitivity response can be determined?

[LN 1018]

OCTOBER 2018

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**FELLOWSHIP IN STANDARDIZATION OF ISM DRUGS EXAMS
FINAL YEAR
PAPER III – BIOLOGICAL SCREENING OF ISM DRUGS**

Q.P. Code: 237603

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Explain in detail of the 90 days repeated dose (OECD-408) oral toxicity evaluation of herbal drug.
2. Write the different screening methods of the Anti-psychotic drugs.

II. Write notes on: (10 x 6 = 60)

1. Screening methods of anti-diabetic drugs.
2. Screening methods of analgesic drugs.
3. Screening methods of hypo-lipidemic drugs.
4. Screening methods of anti-fertility agents.
5. Screening methods of immunomodulatory drugs.
6. Explain acute toxicity (OECD-423) method.
7. Evaluation of anti-bacterial agents.
8. Evaluation of anti-viral drugs.
9. Explain the 28 days repeated dose oral toxicity (OECD-407) method.
10. Write the screening methods of anticancer drugs.
