

MASTER OF SCIENCE (CHEMISTRY) (CBCS - 2018 COURSE)
M.Sc. (Chemistry) Sem-III : WINTER :- 2021
SUBJECT: ANALYSIS OF PHARMACEUTICALS

Day : Friday
Date 28-01-2022

W-20162-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Answer to both the sections should be written in **SEPERATE** answerbook.
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SECTION – I

Q.1 Answer **ANY THREE** of the following. **(15)**

- a) Discuss duties of Drug Inspector in relation to Manufacture of drugs.
- b) Write qualification of Govt. Analyst.
- c) Explain the term Drugs and Misbranded Drugs as per Drugs and Cosmetic Act 1940.
- d) What is GMP? Explain Sch-M in detail.
- e) Explain in detail about limit test for Sulphate IP.

Q.2 Answer **ANY THREE** of the following. **(15)**

- a) Write in short history of Indian Pharmacopoeia.
- b) Explain in detail about limit test for Chloride I.P.
- c) Write the functions of central drug laboratory.
- d) Write the objectives of Drug and Cosmetic Act 1940.
- e) Explain the term Cosmetic and Misbranded Cosmetics.

SECTION – II

Q.3 Answer **ANY THREE** of the following. **(15)**

- a) Write the general requirement of parenteral products.
- b) Write short note on pharmaceutical additives.
- c) What are emulsions? Write the quality control test for emulsion.
- d) Mention the different quality control tests for injection. Explain Pyrogen test in detail.
- e) Discuss WHO guidelines for approval of Pharmaceutical products.

Q.4 Answer **ANY THREE** of the following. **(15)**

- a) What are suspensions? Write the ideal qualities of suspension.
- b) Write the different types of emulsion. Discuss identification tests for emulsion.
- c) Classify various dosage forms. Enlist different quality control tests for tablet.
- d) Write short note on Clinical trials of drugs with reference to LD⁵⁰ and ED⁵⁰.
- e) Discuss the quality control tests for plastic or glass container.

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