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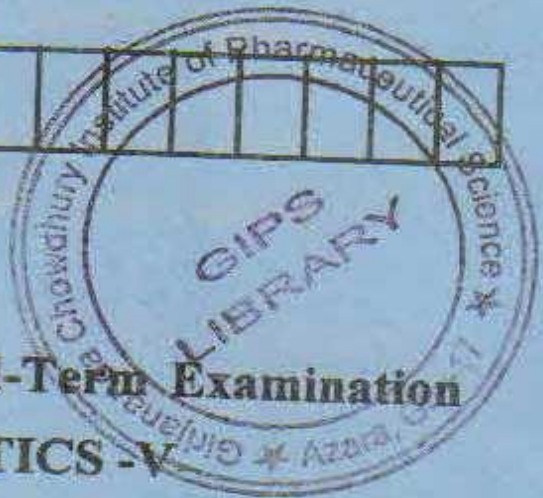
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2016



B. Pharm 6th Semester End-Term Examination

PHARMACEUTICS - V

(Pharmaceutical Technology - II)

Full Marks-100 Pass Marks-35 Time-Three hours

The figures in the margin indicate full marks for the questions.

I. Answer the following questions in brief :

(i) Describe the hydrolytic resistance test in glass containers. 3

(ii) What are the factors to be considered before selection of plastics for pharmaceutical packaging ? 3

Or

What are the ideal factors to be considered in selection of type of rubber for closures ?

(iii) Name two preservatives used for ophthalmic product. 2

[Turn over

- (iv) What are the different types of ophthalmic dosage forms ? 3
- (v) Give the importance of corneal absorption in ocular drug delivery. 3
- (vi) Give the ideal requirements of ophthalmic products. 3
- (vii) Enumerate the QC test of aerosols. 3

Or

Write in details on different types of containers used in aerosols.

- (viii) Discuss the different types of aerosol formulations. 3
- (ix) Why large volume parenterals are not recommended for multiple use ? 2
- (x) Why antimicrobial preservatives are not included in LVPs ? Name some preservatives used in parenterals. 3
- (xi) Give examples of few non-aqueous vehicles used in injectables. 2

2. Answer the following questions :

- (i) Classify the different types of glass with their advantages and disadvantages. 5
- (ii) Enumerate the different types of container and closures used for packaging of injectable preparations. 5
- (iii) Describe the formulation and manufacturing of ophthalmic products. 5
- (iv) Differentiate between cold cream and vanishing cream. 5
- (v) What are the different types of shampoo? Give the ideal properties of shampoo. 5
- (vi) Write in details on formulation of nail lacquers. 5

Or

Write in details on formulation and preparation of hair remover preparations.

- (vii) Differentiate the pressure filling and cold filling methods in manufacturing of aerosols. 5
- (viii) Write in details on sterility testing by membrane filtration method. 5

Or

Discuss in details on the manufacturing, storage and standards of WFI.

3. Answer the following questions :

(i) Write short notes on : 5+5=10

(a) Lipsticks

(b) Toothpaste.

(ii) Briefly discuss the cleaning of clean room and sterile room in a SVP production facility. Explain in details on the large scale manufacturing of Small Volume Parenterals.

5+5=10

Or

Explain in details the various measures for maintenance and evaluation of aseptic condition in manufacturing of parenterals.

10

(iii) Classify the different types of propellants used in pharmaceutical aerosols with their advantages, limitations and application. Give an outline of different parts of aerosol valve assembly.

6+4=10