



BBT-M-202112

Seat No. _____

Third Year D. Pharm. Examination

August – 2021

3.6 : Pharmaceutical Formulations

Time : 3 Hours]

[Total Marks : 70

Instructions:

- A. Figure to the right indicate marks
- B. Draw neat and clean diagram when required.

1 Answer all the following questions.

(2*10 = 20)

- 1 Define superdisintegrants and give examples of it.
- 2 Give the name of the various Hardness testers for tablets.
- 3 What do you mean by terminal sterilization process?
- 4 Define Emulsion. Enlist the test to identify the type of emulsion.
- 5 Give the ideal characteristics of Ocular drug delivery system.
- 6 Write down the excipient used in enteric coating of tablet.
- 7 What do you mean by sustained and controlled release dosage form?
- 8 What are clean rooms? Enumerate the different type of clean rooms.
- 9 Comment: Formulation having an amine compound, better to use lactose as a diluent.
- 10 Define Glidants, Antiadherent and Lubricants with it examples.

2 Answer following questions. (ANY 2 out of 3)

(10*2 = 20)

- 1 Draw the compression cycle of a rotary tablet press with explanation.
- 2 Discuss in detail about the various types of transdermal drug delivery system along with its evaluation parameters.
- 3 Define Capsules. Discuss the Production and filling of hard gelatin capsules along with its quality control tests.

3 Answer following questions. (ANY 6 out of 8)

(5*6 = 30)

- 1 Write a brief note on permeation enhancer.
- 2 Give a brief note on mucoadhesive polymers.
- 3 Explain in detail about the theory of suspension along with its method of preparation.

- 4 Write a brief note about defects in tablets along with causes and remedies.
 - 5 Discuss in details about the various evaluation tests of ophthalmic preparations.
 - 6 Write a note on large volume parenteral.
 - 7 Give the advantages and disadvantages of capsules and give difference between hard gelatin and Soft gelatin capsules.
 - 8 Define ointment. Write in detail about ointment base.
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