

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[PHARMD 0321]

MARCH 2021

Sub. Code: 3818

(OCTOBER 2020 EXAM SESSION)

PHARM. 'D' DEGREE EXAMINATION

THIRD YEAR (2009-2010 Regulation)

PAPER VI – PHARMACEUTICAL FORMULATIONS

Q.P. Code : 383818

Time : Three hours

Maximum : 70 Marks

I. Elaborate on:

(4 x 10 = 40)

1. Explain the process of production and filling of soft gelatin capsules.
2. Define Ointment and classify ointment bases with example and explain about oleaginous bases.
3. Discuss in detail about various approaches for the development of implantable drug delivery system.
4. Write in detail about the production facilities for parenteral formulation.

II. Write notes on:

(6 x 5 = 30)

1. State the significance of Stokes equation in the formulation of suspension.
2. Explain the bloom strength.
3. Define novel drug delivery systems, write their merits and demerits.
4. Write the various tests used for identification of types of emulsion.
5. Explain preparation methodology of suppositories.
6. Define solutions? Discuss the stability of solutions.
