

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

[MD(SIDDHA) 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 3117

**M.D. (SIDDHA) DEGREE EXAMINATION
THIRD YEAR - (For the candidates admitted from 2017-2018 onwards)
BRANCH II - GUNAPADAM
PAPER III – PHARMACEUTICALS AND REGULATIONS
*Q.P. Code : 323117***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the principle, theory instrumentation of mass spectrometer and application of mass spectroscopy.
2. (a) Write about the estimation of marker compound in biological fluids.
(b) Explain about the aspect of good manufacturing process.

II. Write notes on:

(10 x 6 = 60)

1. Write in detail about schedule-E drugs.
2. Explain the principles involved in Nuclear Magnetic Resonance spectroscopy.
3. Licensing authorities of drug and cosmetic act.
4. Write in detail about the application of Gas chromatography.
5. Determination of Acid value.
6. Hyphenated techniques and its advantages.
7. Describe about the ED 50 and LD 50.
8. Chronic toxicity study.
9. Determination of vein islet number.
10. Write the advantages and differences of High performance liquid chromatography compared to thin layer liquid chromatography.
