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

[MD(SIDDHA) 0321] MARCH 2021 Sub. Code: 3117

(OCTOBER 2020 EXAM SESSION)

M.D. (SIDDHA) DEGREE EXAMINATION

THIRD YEAR

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. (a)Write a note on analyser used in mass spectroscopy.
   (b)Describe about the detection techniques applied in Thin Layer Chromatography.
2. (a)Limit test for arsenic.
   (b)Ethical guidelines in utilising animal for experimental purposes.

II. Write notes on: **(10 x 6 = 60)**

1. Write in detail about the principles involved in chromatography.
2. Write about basic constituents of plants.
3. Write in detail about the detectors used in Gas chromatography.
4. Determination of Ash value.
5. Method involved in the new drug development.
6. Good laboratories practices.
7. Test for microbes.
8. Sub acute toxicity study.
9. Determination of Saponification value.
10. Write the principles involved in ultraviolet spectroscopy.

****