

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

**[MD(SIDDHA) 1122]**

**NOVEMBER 2022  
(OCTOBER 2022 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. a) Explain the principles and applications of Atomic Absorption Spectroscopy.  
b) Good laboratory practices.
2. a) Test for microbes.  
b) Chronic Toxicity Study.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Derive an expression for Beer-lamberts law.
2. Limit rest of Arsenic.
3. Application of Mass Spectroscopy.
4. Determination of iodine value.
5. Write in detail about the schedule to the drugs.
6. Application of NMR.
7. Write about basic constituents of Plants.
8. Write about the Animal study.
9. Application of UV spectroscopy.
10. Application of TLC.

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