

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

[LP 809]

OCTOBER 2019

Sub. Code: 3809

**PHARM. D DEGREE EXAMINATION**  
**(2009-2010 Regulation)**  
**SECOND YEAR**  
**PAPER III - PHARMACOGNOSY AND PHYTOPHARMACEUTICALS**

*Q.P. Code: 383809*

**Time: Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Define adulteration. Write the types of adulteration.
2. Define lipids. Write in detail about any two marine source oils.
3. Write notes on collection and processing of crude drugs.
4. Write about any two natural pesticides.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Chemical test for honey and gelatin.
2. Chemistry and methods of analysis of protein.
3. General methods of isolation of volatile oils.
4. Macroscopy and Powder Microscopical character of any one fruit drug.
5. Adulteration used in clove.
6. Jesuit's bark.

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