

[LF 348]

OCTOBER 2014

Sub. Code: 2909

**M.PHARM. DEGREE EXAMINATION  
FIRST YEAR  
BRANCH III – PHARMACOGNOSY  
PAPER III – BIOGENESIS AND CHEMISTRY OF NATURAL PRODUCTS**

*Q.P. Code : 262909*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Describe the occurrence, biosynthesis, chemistry, isolation and estimation of morphine.
2. Discuss the biological screening of natural products for,
  - a) Anti-inflammatory activity.
  - b) Antiviral activity.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Chemistry and biosynthesis of digoxin
2. Industrial methods of isolation and estimation of diosgenin
3. Chemistry and estimation of oxytocin
4. Chemistry and biosynthesis of atropine
5. Aromatic biosynthesis and its significance
6. Screening natural products for diuretic activity
7. Chemistry of corticosteroids
8. Industrial methods of isolation and estimation of forskolin
9. Tracer techniques and its applications
10. Screening natural products for antiulcer activity

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