

[LE 808]

APRIL 2014

Sub. Code: 3808

**PHARM. D DEGREE EXAMS  
SECOND YEAR  
PAPER II - PHARMACEUTICAL MICROBIOLOGY**

*Q.P. Code : 383808*

**Time : 3 hours**

**Maximum : 70 marks**

**I. Elaborate on :**

**(2x20=40)**

1. a) Classify Microbes with examples. Explain in detail about the morphology of Bacteria (10m).  
b) Give the different methods of isolation and identification of bacteria with special emphasis to Gram's Staining technique (10m).
2. Study of infectious diseases
  - a) Meningitis
  - b) Syphilis
  - c) Gonorrhoea and HIV

**II. Write notes on :**

**(10x3=30)**

1. Procedure and report of Shick's Test
2. Define and differentiate Exotoxin and Endotoxin
3. Enriched media
4. Maintenance of cultures in laboratory
5. Rickettsiae with examples
6. Validation of Autoclave
7. Explain Pasteurization
8. Method of counting bacteria by membrane filtration technique
9. Redial Walker Coefficient Test
10. Importance of booster dose

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