

[LF 0212]

AUGUST 2014

Sub. Code: 1602

**DIPLOMA IN OPHTHALMIC NURSING ASSISTANT
FIRST YEAR
PAPER II – PHARMACOLOGY & MICROBIOLOGY**

Q.P. Code : 841602

Time : Three hours

Maximum : 100 marks

Answer all questions

I. Elaborate on:

(3×10=30)

1. Classify microbes. Write in detail about the structure and function of microbial cell.
2. Explain about the pathogenic mechanisms in ocular infection process.
3. Write in detail about the available corticosteroid containing eye preparation and the mechanism of action.

II. Write notes on:

(10×5=50)

1. Briefly write about the Bioavailability of drug.
2. Mention the drug toxicity related to ocular antibiotic Ofloxacin.
3. Write about the principles of ocular pharmacology.
4. Write short notes on Tachyphylaxis.
5. Mention about the drugs available for dry eye and their action.
6. Write about the host parasite relationship.
7. What are the physical methods for sterilisation? Explain about Autoclave.
8. Briefly write about Replication of HIV.
9. Write the difference between Bactericidal and Bacteriostatic activity of drugs with examples.
10. Briefly write about the biochemical characterisation of microbes.

III. Short answers on:

(10×2=20)

1. Mention the dyes used in eyes for diagnosis.
2. Name two viruses causing eye infections.
3. Define Disinfection.
4. Name two Gram positive bacilli.
5. Mention two Disinfectants.
6. What is an Antibiotic?
7. What is immunity?
8. Define Pasteurisation.
9. Name two bacterial culture media.
10. What is meant by Infection.
