

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI

SCHOOL OF POST GRADUATE STUDIES

DEPARTMENT OF OPTOMETRY

2017/2018 M.SC. RAIN SEMESTER EXAMINATION

Opt 810: Principles of prescribing and Therapeutics 2 Units Time Allowed: 2 Hours

Answer any 4 questions

1. Briefly write on the following routes of Ophthalmic drug administration:
 - (i) Periocular injections. (12.5 marks)
 - (ii) Topical route. (12.5 marks)
 2. Discuss the principles guiding the prescribing of ophthalmic drugs. (25 marks)
 3. a. Describe the mode of action of the following antibacterial agents:
 - (i) Sulfonamides (5 marks)
 - (ii) Fluoroquinolones (5 marks)
 - b. (i) What are the generations of fluoroquinolones? Give examples. (7 marks)
 - (ii) Describe Aminoglycosides. Give few indications. (8 marks)
4. Briefly discuss a selected steroidal Ophthalmic eye drop stating the composition, indications, dosage, contraindications and side effects. (25 marks)
- 5a. what are the properties of viscoelastic substances? (12.5 marks)
- b. Enumerate the clinical uses of viscoelastic substances. (12.5 marks)
6. Write short notes on:
 - a. Anti-vascular endothelial Growth Factor agents (anti VEGF). Give examples. (12.5 marks)
 - b. Anti-edema drugs and give the mode of action and indication. (12.5 marks)