

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.OPTOMETRY DEGREE EXAMINATION – September 2021
Second Year

GENERAL PHARMACOLOGY AND OCULAR PHARMACOLOGY

Time: Three hours

Maximum: 80 marks

I Choose the best answer

(10 x 1 = 10)

1. The antiviral drug is
 - a) Furosemide
 - b) Flucytosine
 - c) Foscarnet
 - d) Fluticasone
2. The anti-diabetic drug is
 - a) Methotrexate
 - b) Methyldopa
 - c) Mannitol
 - d) Metformin
3. The Beta blocker antihypertensive drug is
 - a) Nifedipine
 - b) Propanolol
 - c) Clonidine
 - d) Furosemide
4. The diuretic drug used in glaucoma is
 - a) Acetazolamide
 - b) Furosemide
 - c) Timolol
 - d) Prazosin
5. All are antifungal antibiotics except
 - a) Nystatin
 - b) Natamycin
 - c) Vancomycin
 - d) Amphotericin
6. Idoxuridine is
 - a) Anti bacterial
 - b) Anti viral
 - c) Anti fungal
 - d) Antihemithic
7. The short acting benzodiazepine is
 - a) Diazepam
 - b) Triazolam
 - c) Phenobarbital
 - d) Lorazepam
8. The potassium sparing diuretic is
 - a) Spironolactone
 - b) Furosemide
 - c) Thiazide
 - d) Toresemide
9. The dye used to stain corneal ulcer is
 - a) Trypan blue
 - b) Alcian blue
 - c) Fluorescein sodium
 - d) Indocyanine green
10. The drug of choice in cysticercosis is
 - a) Penicillin
 - b) Praziquantel
 - c) Phenytoin
 - d) Phenobarbital

(p.t.o)

II State whether the following statements are **TRUE** or **FALSE** (10 x 1 = 10)

1. Penicillin G is given oral effectively.
2. Vancomycin inhibits bacterial cell wall synthesis.
3. Insulin is an anabolic hormone.
4. Phenytoin inhibits insulin release.
5. Voriconazole is an antiviral drug
6. Pilocarpine is contraindicated in uveitic glaucoma.
7. Moxifloxacin is second generation fluoroquinolone.
8. Chloroquine causes bulls eye maculopathy.
9. Steroids causes complicated cataract.
10. Praziquantel is drug of choice for toxoplasmosis.

III Fill in the blanks: (10 x 1 = 10)

1. _____ is commonly used local anaesthetic in ENT cases.
2. _____ is not suited for spinal anaesthesia.
3. Methotrexate is mostly eliminated by _____
4. _____ is used in tuberculosis and leprosy treatment.
5. _____ Causes gray baby syndrome.
6. _____ is antiviral used in CMV retinitis.
7. _____ is the long acting steroid given as post subtenon injection.
8. Acyclovir is used in treatment of _____ keratitis.
9. Single dose antibiotic given for trachoma is _____
10. Syrup glycerol is given in eye for _____

IV Write any **FIVE** answers of the following: (5 x 6 = 30)

1. Drug affecting papillary size.
2. Actions of cortico steroids.
3. Factors modifying drug absorption.
4. Classify antiglaucomatic drugs.
5. Classify skeletal muscle relaxants.
6. Pharmacological actions of oral hypoglycemic agents.
7. Mechanism of action of NSAIDS

V Write any **TWO** essays of the following: (2 x 10 = 20)

1. Define hypertension. Classify antihypertensives. Explain calcium channel blockers.
2. Ocular routes of drug administration.
3. Give the stages of general anaesthesia.

(Sl.No. M21111)