

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

B.OPTOMETRY DEGREE EXAMINATION – August 2018
Second Year

GENERAL PHARMACOLOGY AND OCULAR PHARMACOLOGY

Time: Three hours

Maximum: 80 marks

I Choose the best answer

(10 x 1 = 10)

1. Which antimalignancy drug is most nephrotoxic
 - a) 5 - FU
 - b) CLS - Platinum
 - c) Vincristine
 - d) Methotraxate
2. Antifungal drugs includes all except
 - a) 5 - FU
 - b) Miconazole
 - c) Amphotericin
 - d) Flucutosine
3. Drug which is alpha as well as beta blockers.
 - a) Atenolol
 - b) Acebutalol
 - c) Metoprolol
 - d) Labetalol
4. All of the following have mineralo-corticoid effect except
 - a) Cortisone
 - b) Fluprednisolone
 - c) Hydrocortisone
 - d) Prednisolone
5. Nystergmus can be caused by
 - a) Phenytoin
 - b) Qunidine
 - c) Lignocaine
 - d) Thiazide
6. Methanol causes blindness due to its
 - a) Hypersensitivity reaction
 - b) Conjugated product
 - c) Idiosynergitic reaction
 - d) Oxidative products
7. Antiviral drugs, except
 - a) Amantidine
 - b) Ketoconazole
 - c) Acyclovir
 - d) Idoxuidine
8. Parenteral steroid cause
 - a) Cataract
 - b) Glaucoma
 - c) Corneal opacity
 - d) Papiloedema
9. What mydriatic is used in a 6 year old child with squint?
 - a) Homatropine
 - b) Atropine
 - c) Phenylephrine
 - d) All
10. Drugs used in glaucoma, except
 - a) Timolol
 - b) Levobunolol
 - c) Atropine
 - d) Cartedol

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

1. Chloroquin causes bulls eye macula.
2. Tropicamide is the shortest acting mydriatic.
3. Timolol is the choice of treatment of uveitis with raised intra ocular pressure.
4. Pilocarpine is used to treat the malignant glaucoma.
5. Ethionamide is a bacterial anti T.B drug.
6. Barbiturate is the choice for psychomotor epilepsy.
7. Chemically frusemide is sulphamyl deviation.
8. Optic neuritis is called by ethambutol.
9. Estrogen is used in liver disease.
10. Oxytetracycline is a bacterial agent.

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

1. Natamycine is an _____ drug.
2. Diclofenac sodium is the best example of _____
3. _____ oxidizing bacterial and fungal cell wall thereby it is good preservative.
4. Anaesthetics act through _____
5. Benzodiazepine act as a _____
6. Tropicamide is used as _____
7. Digitalis is a cardio protective drug, but affect ocular system by _____
8. _____ is a viscoelastic substance available in market.
9. Ethylene-Vinyl acetate copolymer is used in ocular _____
10. Captopril is used to cardiac disease by inhibiting _____

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

1. Illustrate the factors affecting drug absorption from GIT.
2. Write short notes on the types of adrenergic receptor and its function.
3. Illustrate the local anesthetics.
4. Describe briefly on anti tuberculosis drugs.
5. Mention the drug used as viscoelastic agents.
6. Elaborate on NSAID.
7. Explain the drugs used as mydriatics.

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

1. Write an essay on antiviral drugs.
2. Elaborate the role of cholinergic drugs in treatment of ocular disease.
3. How would you treat glaucoma?

(Sl.No. M19245)