

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

B.OPTOMETRY DEGREE EXAMINATION – February 2020
Second Year

GENERAL PHARMACOLOGY AND OCULAR PHARMACOLOGY

Time: Three hours

Maximum: 80 marks

I Choose the best answer

(10 x 1 = 10)

1. Cocaine is a
 - a) Glycoside
 - b) Alkaloid
 - c) Carbohydrate
 - d) Protein
2. VIIIth Nerve damage is the toxicity of the following drug
 - a) Penicillin
 - b) Lincomycin
 - c) Cyclosporine
 - d) Streptomycin
3. Which one is not used for fungal infections?
 - a) Ketoconazole
 - b) Miconazole
 - c) Sulfa-methoxazole
 - d) Econazole
4. Drug which decrease the tear production
 - a) Atropine
 - b) Acetylcholine
 - c) Pilocarpine
 - d) Aracholine
5. Fibrinogen is used in the deficiency of the following
 - a) Anti haemophilic globulin.
 - b) Albumin
 - c) Fatty acids
 - d) Calcium
6. Which one of the following is lowering blood sugar level only in diabetic patients?
 - a) Tolbutamide
 - b) Glibenclamide
 - c) Metformin
 - d) Glipizide
7. Cephalosporins are effective against which of the following
 - a) Staphylococci
 - b) P aeruginosa
 - c) E-coli
 - d) All of the above
8. Which one of the following is not administered with milk
 - a) Erythromycin
 - b) Tetracycline
 - c) Streptomycin
 - d) None of the above
9. Which one is sulphur containing vitamin?
 - a) Riboflavin
 - b) Vitamin B12
 - c) Biotin
 - d) Vitamin C
10. Optic atrophy is the side effect of _____
 - a) Atropine
 - b) Ethambutol
 - c) Ketamine
 - d) Ephedrine

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

1. Benzylkonium is used as surfactants.
2. Bulls eye maculopathy is occurred as a side effect of chloroquines.
3. Hexamethonium increase the tear production.
4. Like fluorescein, Rose Bengal stain devitalized corneal epithelium.
5. Local anaesthetic agents after retrobulbar block produced akinesia.
6. Acetyl choline is useful in ciliary block glaucoma.
7. Nystatin has no effect on bacteria or protozoa.
8. Erythromycin is used as an ointment for treating infective blepharitis.
9. Phenylbutazone is a cortico steroid.
10. Nitroglycerine cannot produce smooth muscle relaxant effect.

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

1. _____ is used in non diabetic obese patients.
2. _____ is a synthetic congener of codiene.
3. Drug automatism is the side effect of _____
4. _____ is act by inhibiting cell wall synthesis.
5. In bone marrow injection _____ is chosen in adults.
6. _____ acts by competing with thymidine in the synthesis of DNA
7. _____ is the source of erythromycin.
8. _____ can be used as the transdermal patches.
9. Salicylates _____ ESR which is high in rheumatic fever.
10. _____ is the corneal anaesthetic agent

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

1. Actions of cortico steroids.
2. Factors modifying drug absorption.
3. Drug affecting papillary size.
4. Pharmacological actions of morphine.
5. Mydriatics.
6. Actions of alcohol.
7. Tear substitutes.

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

1. Define glaucoma. Classify antiglaucomatic drugs. Explain anyone drug.
2. Factors modifying drug effect.
3. Classify antiviral drugs. Explain Iodoxiuridine.

(Sl.No. M22218)