

12-01-2022

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II-MBBS

Second M.B.B.S. (Main) Examination (New Scheme)

January - 2022

PHARMACOLOGY

Paper-Second

Time: Three Hours

Maximum Marks: 40

Maximum Marks: 100

Attempt all questions in both sections

(Use separate answer book for each section)

Section-A

1. Fill in the blanks:

6 x 1 = 06

- a) A young girl of 20 years has taken a suicidal overdose of digoxin, the drug of choice in treatment will be _____.
- b) An aminoglycoside is used in hepatic coma _____.
- c) A 35 year old patient having severe pain along the right side jaw & face best choice for this neuralgic pain _____.
- d) Drug of choice for malaria during pregnancy is _____.
- e) Prolong treatment with INH (Isoniazid) leads to deficiency of _____.
- f) The drug of choice of Kala azar is _____.

2. Multiple choice questions:

4 x 1 = 04

i) Drug of choice for central diabetes insipidus is-

- a) Desmopressin b) Leuprolide c) Thiazide diuretics d) Insulin

ii) Finasteride act by blocking-

- a) A – receptors b) 5 – α reductase enzyme c) Androgen receptors d) β - receptors

iii) Ethambutol causes

- a) Retrobulbar neuritis b) Deafness c) Red urine d) Peripheral neuritis

iv) Dose limiting toxicity of Amphotericin – B is-

- a) Infusion related reaction b) Renal tubular acidosis
c) Myelosuppression d) Hypotension

3. Clinical case study- A 50 year old male with type 2 diabetes mellitus blood sugar fasting 150 mg BP 140/90 mm Hg, Urine albumin 24 hour 2.4 gm (Mild Albuminuria), serum albumin 2.8 g/dl normal S. creatinine.

5 x 3 = 15

- a) Which antihypertensive drug is safely use for above patient for renal problem?

- b) What is the mechanism of action?
c) What is the treatment required?
d) What are the two serious adverse effects of used drug?
e) What questions ask for physical examination and investigation required for treatment monitoring.
4. Write short notes on (Any five): 5 x 2 = 10
- | | |
|----------------------------|----------------------------|
| a) Osteoporosis | b) Diabetic ketoacidosis |
| c) Thyroid storm | d) Anabolic steroids |
| e) Oral hypoglycemic drugs | f) Folic acid in pregnancy |
5. Explain briefly (Any three): 3 x 5 = 15
- a) Doxycycline in malaria.
 - b) LMWH preferred over unfractionated heparin.
 - c) Beta-blocker are indicated and also contraindicated in congestive heart failure.
 - d) Aspirin stop before surgery.

Section-B

6. Explain why treatment of tuberculosis is done with multiple drugs for prolonged period. Enumerate four uses and four adverse effects of Rifampicin. Write the treatment regimen for a newly diagnosed case of a pulmonary tuberculosis. 20
7. Write short notes on (Any five): 5 x 2 = 10
- | | |
|------------------------|-----------------------|
| a) Osmotic diuretic | b) Cephalosporin |
| c) Drugs for H. Pylori | d) Clomiphene citrate |
| e) Antiplatelets drug | f) Desferrioxamine |
8. Explain briefly (Any four): 4 x 5 = 20
- a) Albendazole is preferred over praziquantel in treatment of Neurocysticercosis.
 - b) Treatment of mixed worm infestation.
 - c) Acute amoebiasis treatment.
 - d) Status of malaria chemoprophylaxis.
 - e) Chelating agents.