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**M.B.B.S. II Professional Examination**

**MB-II/12(R)**

**234081**

**Pharmacology**

**Paper - II**

**(New Course)**

**Time Allowed : 3 Hours**

**Maximum Marks : 100**

**1. Section-1 (MCQ's).**

*ALL Questions are compulsory. Each question carries ONE mark. Tick the right answer. (20 Marks)*

**2. Section-2**

*Attempt ALL questions write legible & precise answers. (80 Marks)*

**SECTION - I**

**Note :- ALL Questions are compulsory. Each question carries ONE mark. Tick the right answer. (Maximum Marks=20)**

**Multiple Choice Questions.**

1. Which of the following is a fourth generation cephalosporin:-

- a) ~~X~~ Cefipime
- b) Cefotaxime
- c) Cefpodoxime
- d) Ceftazidime

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2. All of the following are typical anti-psychotic drugs except:
- a) Trifluoperazine
  - ~~b) Chlorpromazine~~
  - ~~c) Haloperidol~~
  - ~~d) Olanzapine~~
3. Which of the following antiemetic drug is a 5-HT<sub>3</sub> antagonist:-
- a) Domperidone
  - ~~b) Ondansetron~~
  - c) Dronabinol
  - d) Promethazine
4. Vaccine commonly administered as post exposure prophylaxis is:-
- ~~a) Rabies~~
  - b) Hepatitis
  - c) MMR
  - d) Hib
5. Antibiotics used in acne are all except:-
- a) Clindamycin
  - b) Azithromycin
  - ~~c) Nadifloxacin~~
  - d) Amoxicillin

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6. TNF  $\alpha$  inhibitor used in psoriasis is :-

- ☒ a) Etanercept
- b) Efalizumate
- c) Tafacitinab
- d) Apremilast

7. Dimercaprol is used in poisoning due to all of the following except:-

- a) Arsenic  $\rightarrow$  B/L
- ☒ b) Mercury
- ☒ c) Copper  $\rightarrow$  P-
- ☒ d) Iron D, P

8. > All of the following are features of vitamin A deficiency except:

- ☒ a) Hyperkeratosis
- ☒ b) Xerophthalmia
- c) Swelling of gums
- d) Increase susceptibility to infection

9. Drug of choice for precocious puberty:-

- a) Cyproterone
- b) Danazol
- c) Medroxyprogesterone
- ☒ d) GnRH agonist

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10. Which of the following drug is an inhibitor of iodine trapping by thyroid :-
- a) Methimazole
  - b) Carbimazole
  - ☒ c) Potassium perchlorate
  - d) Propylthiouracil
11. Which of the following insulin preparation is given by both SC and IV route:-
- a) Isophane Insulin
  - ☒ b) Regular insulin
  - c) Lente insulin
  - d) Semilente Insulin
12. The antagonist of choice in opioid poisoning is :-
- ☒ a) Naloxone
  - b) Natrexone
  - c) Fentanyl
  - d) Nalorphine
13. Corticosteroid with significant mineralocorticoid activity is :-
- ☒ a) Fludrocortisone
  - b) Triamcinolone
  - c) Betamethasone
  - d) Dexamethasone

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14. Most effective anti tubercular drug for rapidly growing bacteria is :-
- ~~a)~~ Rifampicin
  - b) Ethambutol
  - c) Isoniazid
  - d) Pyrazinamide
15. Non Neucleoside Reverse transcriptase inhibitor (NNRT) used to prevent vertical transmission:-
- ~~a)~~ Nevirapine
  - b) Efavirnez
  - c) Dellavirdine
  - d) Etravirine
16. All of the following are the adverse effects of Aspirin except:-
- a) Angioedema
  - b) Salicyclism
  - c) Respiratory alkaloses
  - ~~d)~~ Patent ductus arteriosus
17. All of the following drugs are used for treatment of syphilis except:-
- ~~a)~~ Doxycycline
  - ~~b)~~ Benzathene penicillin
  - c) Clindamycin
  - ~~d)~~ Erythromycin

[Turn Over

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18. Drug regimen for pancibacillary leprosy include:-
- a) Rifampicin
  - b) Dapsone
  - c) Clofazimine
  - ☒ d) Both (a) and (b)
19. Interaction between erythromycin and terfenadine can cause:-
- ☒ a) Torsades de pointes
  - b) CNS stimulation
  - c) Fever
  - d) Jaundice
20. Which of the following drug is useful in the medical management of Benign hypertrophy of prostate:
- a) Nifedipine
  - ☒ b) Clonidine
  - ☒ c) Estrogen
  - ☒ d) Finasteride

**SECTION - II**

**Note :- Attempt ALL questions. Write legible and precise answers:- (Max. Marks=80)**

1. a) Give a broad classification of Antimicrobial agents (AMAs) on the basis of mechanism of action. (5)
- b) Discuss in brief therapeutic uses, ADR's and drug interactions of macrolide AMA's (15)



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5. A postgraduate student working in a medicine ward accidentally got injured with a needle used for determination of blood glucose via glucometer in a 55 years old female patient. A needle had deeply penetrated across his gloves and skin. On evaluation of the patient, it has been found that patient is HIV+ve and not taking any kind of anti-retroviral therapy.

- a) Write one preferred drug regimen for post exposure prophylaxis. (5)
- b) When should post exposure prophylactic medication be started? (2)
- c) What is pre exposure prophylaxis? (3)

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2. Write short notes on:- (4×5=20)
- a) Second generation H<sub>1</sub> antihistaminics. ✓
  - b) Therapeutic uses of Benzodiazepines. ✓
  - c) Mechanism of action and ADR's of combined oral contraceptive pills. ✓
  - d) Management of narrow angle glaucoma. ✓
3. Discuss in brief :- (4×5=20)
- a) Pharmacotherapy of bipolar mood disorder ✓
  - b) Mechanism of action and therapeutic uses of pioglitazone. ✓
  - c) Role of β-blockers in thyrotoxicosis. ✓
  - d) Therapeutic uses and ADR's of morphine. ✓
4. Comment on the rationality of following statements:- (5×2=10)
- a) Methotrexate is beneficial in patients suffering from Rheumatoid arthritis. ✓
  - b) Rifampicin and oral contraceptives should not be given together. ✓
  - c) d- penicillamine is given in Wilson's disease. ✓
  - d) N- acetyl cysteine is administered in paracetamol poisoning. ✓
  - e) Sumatriptan is the preferred drug in acute severe migraine. ✓

  
[Turn Over]