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

(2)

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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-HT₃ 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 α 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, C, D
- ☒ b) Mercury
- ☒ c) Copper \rightarrow C, D
- ☒ d) Iron \rightarrow D, E

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) ~~a)~~ Rifampicin
 - b) Ethambutol
 - c) Isoniazid
 - d) Pyrazinamide
15. Non Nucleoside Reverse transcriptase inhibitor (NNRT) used to prevent vertical transmission:-
- a) ~~a)~~ Nevirapine
 - b) Efavirine
 - c) Delavirdine
 - d) Etravirine
16. All of the following are the adverse effects of Aspirin except:-
- a) Angioedema
 - b) Salicylism
 - c) Respiratory alkalosis
 - d) ~~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

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

SECTION - II

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

- ⑤ 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_1 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]