

**MBBS II (Second) Professional Examination 2016-17**

**Course Code:**MBS203                      **Paper ID:** 0322412

**Pharmacology-II**

**Time:** 2 Hours 40 Minutes                      **Max Marks:** 30

**Note:** Attempt all questions. Draw proper diagrams to support your answer.

**Part ‘B’**

- Write short notes on the following: (2x4=8)
  - Corticosteroids
  - Oral contraceptives
  - DPP-IV inhibitors
  - Bisphosphonates
- Explain the pharmacological basis of following: (2x4=8)
  - 5α-reductase inhibitors in Benign Prostatic Hypertrophy (BPH)
  - Hormone replacement therapy in Post menopausal women
  - Low dose Aspirin as an antiplatelet
  - Combination of Penicillin & Gentamicin
- A 60 year old patients presented in emergency with pain in chest associated with sweating and uneasiness. On examination ST elevation was found in ECG. Patient was diagnosed a case of Myocardial Infarction (MI). Answer the following: (7)
  - Classify Antianginal drugs
  - Write MOA of Nitrates, uses and ADRs
  - Treatment of MI
  - Post MI treatment and advice
- Classify antiretroviral drugs. Explain the guidelines for Highly Active Antiretroviral Therapy (HAART). Write a short note on Post exposure prophylaxis in HIV positive patient. (7)

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Roll No.

Student's Signature

Student's Name

Invigilator's Signature

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**Pharmacology-II**

**Part ‘A’**

**Time:** 20 Minutes                      **Max Marks:** 10

- Note:** 1. Attempt all questions and return this part of the question paper to the invigilator after 20 Minutes.  
2. Please tick (✓) correct one only. Cutting, overwriting or any other marking are not allowed.  
3. For answering please use Ball- pen only.

- Q.1    Thiazides cause all except:

  - Hyperglycemia
  - Increased calcium excretion
  - Hyperuricemia
  - Useful in congestive heart failure

Q.6    All of the following statements regarding verapamil are true Except:

  - It blocks L-type calcium channels
  - It increases heart rate
  - It relaxes coronary artery smooth muscle
  - It depresses cardiac contractility
- Q.2    The primary indication of tamoxiphen citrate is:

  - Female infertility
  - Endometrial carcinoma
  - Carcinoma breast
  - Endometriosis

Q.7    Select the drug which is an ‘inodilator’ beneficial in refractory congestive heart failure:

  - Nicorandil
  - Amiodarone
  - Amrinone
  - Carvedilol
- Q.3    Mifepristone (RU-486) is:

  - Antiprogesterin
  - Antiandrogen
  - Antiestrogen
  - Enalapril

Q.8    Which of the following antiplatelet drugs is not given by oral route:

  - Aspirin
  - Clopidogrel
  - Ticlopidine
  - Abciximab
- Q.4    HMG-CoA reductase inhibitor is:

  - Rosuvastatin
  - Clofibrate
  - Gemfibrozil
  - Enalapril

Q.9    Aminoglycosides have the following unwanted effects:

  - Pancytopenia
  - Hepatotoxicity
  - Ototoxicity, nephrotoxicity
  - Irritation of gastrointestinal mucosa
- Q.5    Antidote for heparin is:

  - Vit. K
  - Protamine
  - EDTA
  - Desferioxamine

P.T.O

- Q.10 The primary route of administration of insulin is:
- Intradermal
  - Subcutaneous
  - Intramuscular
  - Intravenous
- Q.11 Rifampin has the following unwanted effect:
- Dizziness, headache
  - Loss of hair
  - Flu-like syndrome
  - Hyperuricemia
- Q.12 Which of the following antianginal agents is a beta blocker:
- Dipyridamole
  - Verapamil
  - Atenolol
  - Minoxidil
- Q.13 The drug which should not be administered to patients taking potassium supplements:
- Hydrochlorothiazide
  - Spirolactone
  - Furosemide
  - Neither of the above
- Q.14 The daily dose of estrogen for hormone replacement therapy in postmenopausal women is:
- Same as for contraception
  - Higher than that for contraception
  - Lower than that for contraception
  - Variable depending on the age of the women
- Q.15 Tick the drug, inhibiting viral reverse transcriptase:
- Zidovudine
  - Vidarabine
  - Rimantadine
  - Gancyclovir
- Q.16 Which of the following vitamins is given with Isoniazid in the treatment of tuberculosis:
- Nicotinic acid
  - Riboflavin
  - Pyridoxine
  - Ascorbic acid
- Q.17 Which is not an oral anti-coagulant:
- Dicumarol
  - Warfarin
  - Heparin
  - Phenindione
- Q.18 MOA of penicillin is:
- Inhibits cell membrane synthesis
  - Inhibits cell wall synthesis
  - Inhibits mitochondrial function
  - Inhibits protein synthesis
- Q.19 Which is not a 3<sup>rd</sup> generation cephalosporin:
- Ceftriaxone
  - Cephalexin
  - Cefotaxime
  - Cefoperzone
- Q.20 Chloroquine in malaria acts on:
- Erythrocytic cycle
  - Exo-erythrocytic cycle
  - Liver
  - Tissue schizonts