

Madhya Pradesh Medical Science University, Jabalpur

 2nd M.B.B.S. Examination 2017 (Summer)

Question Paper Code - 17AM0000100531

Pharmacology Paper-I

Maximum

10

Time : 30 Minutes

Instructions:

- 1) All questions are compulsory
- 2) MCQ question paper should be conducted and completed in first 30 min.
- 3) Fill (dark) the appropriate empty circle against the question number once only.
- 4) Use blue/black ball point pen only.
- 5) Each MCQ carries one / half mark.
- 6) Students will not be allotted mark if he/she overwrites/ strikes or put white ink on the cross once marked on MCQ.

Q. 1

Total MCQs : 16

16 X ½ = 08

- 1 Which drug is microsomal enzyme inhibitor
a. Rifampicin ☒ b. Cimetidine c. Phenytoin d. Ethyl Alcohol
- 2 In Alzheimer's disease preferred drug for treatment is :-
☒ a. Donepezil b. Pilocarpine c. Neostigmine d. Physostigmine
- 3 β Blockers can cause all adverse effects, except:-
a. Bronchospasm b. Raynaud's Phenomenon ☒ c. Agria Pectoris d. Delayed recovery from hypoglycemia
- 4 The most common adverse effect of systemic salbutamol is :-
a. Anxiety ☒ b. Tremor c. Apprehension d. Tachycardia
- 5 Which drug is not an antiplatelet agent:-
a. Aspirin ☒ b. Streptokinase c. Abciximab d. Clopidogrel
- 6 Contraindication to use of β blocker is :-
☒ a. Asthma b. Hypertension c. Angina d. Essential Tremor
- 7 Newer inhalational glucocorticoids are preferred over older agents (Beclomethasone) for treatment of bronchial asthma, because:-
☒ a. Their oral anal. action is poor b. Their efficacy is higher ☒ c. They do not produce gastric irritation d. They have extensive first pass effect and site specific action
- 8 In Prinzmetal's angina preferred drugs are :-
a. Nitrates and β blockers ☒ b. Nitrate & Verapamil ☒ c. Nitrates and Nifedipine d. Nitrates and Aspirin
- 9 Which antihypertensive drug acts through ATP dependent K^+ channels modulation :-
a. Hydralazine ☒ b. Diltiazem c. α Methyl dopa d. Sodium Nitroprusside
- 10 In a patient with peptic ulcer, which pair should be avoided:-
a. NSAIDs and β blockers ☒ b. β blockers and glucocorticoids ☒ c. NSAIDs and glucocorticoids d. β blockers and Anticholinergics
- 11 Selective α_2 agonists can be used in all conditions except:-
a. Sedation ☒ b. Hypertension ☒ c. Glaucoma d. BPH
- 12 Cough and angioedema in patient using ACE inhibitor, are due to :-
☒ a. Bradykinin b. Renin c. Angiotensin II d. Aldosterone
- 13 Atropine is used in all conditions except:-
a. Iridocyclitis ☒ b. Glaucoma ☒ c. Digitalis Overdose d. Organo Phosphorus Poisoning
- 14 A New born baby is born with phocomelia. It may be due to a drug, consumed by mother during pregnancy, that drug is:-
a. Tetracycline ☒ b. ACE inhibitors c. Thalidomide d. Phenytoin
- 15 Which of the following is a prodrug:-
☒ a. Propranolol b. Atropine ☒ c. Enalapril d. Aspirin
- 16 Which drug does not slow A.V. conduction:-
a. Propranolol ☒ b. Diltiazem ☒ c. Atropine d. Adenosine

10. Following statement is correct related to spinal anesthesia
- Spinal anesthesia is produced by injecting lignocaine in epidural space
 - Analgesia and unconsciousness induced by spinal anesthesia, help to conduct major surgery
 - For spinal anesthesia hyper-baric solution is preferred to avoid effect on medullary centre
 - During spinal anesthesia there is no effect on blood pressure
11. Following statement is correct related to, Oxytocin
- Oxytocin is preferably injected by intramuscular route
 - As sensitivity of uterus is uncertain it is safe to inject oxytocin intravenously
 - Oxytocin is therapeutic drug, contracts both the lower and upper segments of uterus
 - Oxytocin is very effective for inducing abortion
12. Regarding hormonal effects of the drugs, following statement is not correct -
- Letrozole, an aromatase inhibitor is useful in treatment of breast cancer
 - Mifepristone is a progesterone antagonist and used for termination of pregnancy in early months
 - Finasteride/Dutasteride is 5 α reductase-2 inhibitor and used in benign prostatic enlargement
 - Sildenafil affects sex hormone function
13. Following statement is correct regarding NSAIDs
- NSAIDs inhibit prostaglandin synthesis directly
 - Suppress lymphocytes
 - NSAIDs are useful in anaphylactic shock in children
 - Decrease excretion of uric acid
14. Following statement is correct regarding 3rd generation cephalosporins
- Ceftriaxone is effective against all gram positive bacteria
 - Ceftriaxone is effective against all gram negative bacteria
 - Ceftriaxone is effective against all gram positive and negative bacteria
 - Ceftriaxone is effective against all gram positive and negative bacteria
15. Following statement is correct regarding antibiotics
- Concentration dependent effect requires presence of continuous concentration of the drug
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16. Following statement is correct in relation to anti-diabetic drugs
- Glinapride is better than sitagliptin as it is old drug, has less chance of developing hypoglycemia
 - Metformin acts without increasing the release of insulin from pancreas
 - DM is controlled by Glinapride, insulin, and sitagliptin provides 1/3rd of insulin throughout 24 hours
 - While treating Diabetes, oral insulin is preferred to the short acting soluble insulin