

MEDICAL**[MBBS 0325]****MARCH 2025****Sub. Code :6062****M.B.B.S. DEGREE EXAMINATIONS**
(For the candidates admitted from the Academic Year 2019-2020)**SECOND PROFESSIONAL – SUPPLEMENTARY - (CBME)****PAPER II – PHARMACOLOGY*****Q.P. Code: 526062*****Time: 20 Minutes****Maximum : 20 Marks****Answer All Questions****Shade the correct answer with Black or Blue ink ball point pen****SET - A****III. Multiple Choice Questions:****(20 x 1 = 20)**

1. Somatostatin inhibits the release of:
A) Growth hormone B) Insulin C) Thyrotropin D) All of the above
2. Overtreatment with the following thyroid inhibitor results in enlargement of the thyroid:
A) Lugol's iodine B) Radioactive iodine C) Carbimazole D) All of the above
3. The second-generation sulfonylurea hypoglycaemics differ from the first-generation ones in that they:
A) Are more potent
B) Are longer acting
C) Do not lower blood sugar in nondiabetic subjects
D) Are less prone to cause hypoglycaemic reaction
4. Select the compound that is preferred for high dose intravenous corticosteroid pulse therapy:
A) Cortisone B) Hydrocortisone C) Triamcinolone D) Methyl prednisolone
5. Finasteride acts by:
A) Blocking testosterone receptors in the prostate gland
B) Reducing testosterone secretion from testes
C) Reducing LH secretion from pituitary
D) Lowering circulating as well as prostatic dihydrotestosterone concentration
6. Select the tissue that is most sensitive to oxytocin:
A) Myometrium B) Myoepithelium of mammary alveoli
C) Vascular smooth muscle D) Renal collecting ducts
7. Bisphosphonates are beneficial in the following conditions except:
A) Paget's disease B) Senile osteoporosis C) Rickets D) Osteolytic bony metastasis
8. The following antiulcer drug does not act by reducing the secretion or neutralizing gastric acid:
A) Magaldrate B) Sucralfate C) Misoprostol D) Omeprazole
9. Metoclopramide has the following actions except:
A) Increases lower esophageal sphincter tone B) Increases tone of pyloric sphincter
C) Increases gastric peristalsis D) Increases intestinal peristalsis

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10. Choose the correct statement about lactulose:
- A) It stimulates myenteric neurons to enhance gut peristalsis
 - B) Administered orally it acts as a purgative within 2-4 hours
 - C) It is an osmotic laxative that produces soft but formed stools
 - D) All of the above
11. A 3-year-old child was given one tablet three times a day to control loose motions. The diarrhoea stopped but next day the child was brought in a toxic condition with abdominal distention and vomiting. He had paralytic ileus, mild dehydration, low blood pressure and sluggish reflexes. Which antidiarrhoeal drug could have caused this condition:
- A) Iodochlorhydroxyquinoline B) Furazolidone C) Loperamide D) Metronidazole
12. Trimethoprim is combined with sulfamethoxazole in a ratio of 1:5 to yield a steady state plasma concentration ratio of:
- A) Trimethoprim 1: Sulfamethoxazole 5 B) Trimethoprim 5: Sulfamethoxazole 1
 - C) Trimethoprim 1: Sulfamethoxazole 20 D) Trimethoprim 20: Sulfamethoxazole 1
13. If a patient gives history of urticaria, itching and swelling of lips following injection of penicillin G, then:
- A) He will develop similar reaction whenever penicillin is injected
 - B) He can be given ampicillin safely
 - C) He can be given oral phenoxymethyl penicillin safely
 - D) All natural and semisynthetic penicillins are contraindicated for him
14. Combination therapy with two (or more) antimicrobials is superior to monotherapy with any single effective drug in case of the following diseases except:
- A) Typhoid fever B) Leprosy C) HIV D) Tuberculosis
15. Which of the following antitubercular drugs is not hepatotoxic:
- A) Isoniazid B) Rifampicin C) Pyrazinamide D) Ethambutol
16. The polyene antibiotics act by:
- A) Inhibiting fungal cytochrome P450 enzyme
 - B) Binding to ergosterol and creating micropores
 - C) Inhibiting fungal DNA synthesis
 - D) Disorienting microtubules in fungal cells
17. Select the drug which directly inhibits HIV-reverse transcriptase without the need for intracellular activation by phosphorylation:
- A) Nelfinavir B) Nevirapine C) Stavudine D) Didanosine
18. Patients treated with the following anticancer drug are likely to develop a disulfiram like reaction on taking alcohol:
- A) Dacarbazine B) Procarbazine C) Melphalan D) Hydroxyurea
19. Drugs used for Pediculosis are all except
- A) Permethrin B) Sulfur C) Crotamiton D) Gentian Violet
20. BAL is used as a Chelating agent for the following heavy metals except
- A) Arsenic Poisoning B) Mercury Poisoning
 - C) Cadmium Poisoning D) Nickel Poisoning