

MCQs

Final Year B Pharm (Sem VII) CBSGS

Sub: Pharmacology III

N.B. Each question carries 2 marks.

1. The following is true about actions of ethylalcohol:
 - A. It exerts anticonvulsant action followed by lowering of seizure threshold
 - B. It lowers pain threshold
 - C. It increases confidence and reduces number of errors
 - D. It increases heat production and helps to keep warm in cold weather
2. Which of the following is the MOA of benzodiazepines
 - A. Potentially GABAergic inhibition by increasing the lifetime of Cl channel opening induced by GABA
 - B. Inhibiting voltage dependent Na, K channels at higher conc.
 - C. Enhancing presynaptic / post synaptic inhibition through BZD receptor
 - D. Preventing repetitive detonation of normal brain cells during depolarization shift
3. Which of the following has highest MAC for effective anaesthesia?
 - A. Nitrous Oxide
 - B. isoflurane
 - C. Desflurane
 - D. Sevoflurane
4. The primary MOA of local anaesthetics involves the blockade of which ion channel?
 - A. Inactivated, voltage-gated, Na⁺ channels
 - B. Resting, voltage-gated, K⁺ channels
 - C. Activated, ligand-gated, Ca⁺⁺ channels
 - D. Resting, ligand-gated, Na⁺ channels
5. Ethosuximide is used in the treatment of absence seizures, as it;
 - A. reduces low threshold Ca⁺ currents
 - B. enhances GABA induced chloride conductance
 - C. inhibits NMDA evoked neuronal excitation
 - D. delays recovery of voltage activated Na⁺ channels
6. All of the following are dopamine agonists, EXCEPT;
 - A. Procyclidine
 - B. Pergolide
 - C. Bromocriptine
 - D. Piribedil
7. Which of the following medications acts on N-methyl-N-aspartate (NMDA) glutamate receptors?
 - A. Galantamine
 - B. Rivastigmine
 - C. Memantine
 - D. Tacrine
8. Chlorpromazine therapy increases the secretion of the following hormone:
 - A. Prolactin
 - B. Gonadotropin
 - C. Corticotropin
 - D. Antidiuretic hormone
9. Currently, the selective serotonin reuptake inhibitors are the preferred drugs for the following psychiatric disorder/disorders:
 - A. Phobias

- B. Obsessive-compulsive disorder
 - C. Post-traumatic stress disorder
 - D. All of the above
10. Instead of depressing, morphine stimulates:
- A. Vasomotor centre
 - B. Edinger Westphal nucleus
 - C. Temperature regulating centre
 - D. Cough centre
11. Select the antihistaminic which modulates calcium channels and has prominent labyrinthine suppressant property:
- A. Cyproheptadine
 - B. Cinnarizine
 - C. Clemastine
 - D. Cetirizine
12. The following is a selective 5-HT_{1D} receptor agonist:
- A. Buspirone
 - B. Ondansetron
 - C. Sumatriptan
 - D. α -methyl 5-HT
13. Dysmenorrhoea is often associated with excess production of the following autacoid by the endometrium:
- A. Bradykinin
 - B. Prostaglandin
 - C. Platelet activating factor
 - D. 5-Hydroxytryptamine
14. Aspirin in low doses produces long lasting inhibition of platelet cyclooxygenase (COX) because:
- A. Platelets contain low quantity of COX
 - B. Platelets cannot synthesize fresh COX molecules
 - C. Platelets bind aspirin with high affinity
 - D. Platelet COX is inducible
15. Among the following, choose the NSAID with the highest COX-2 selectivity:
- A. Nimesulide
 - B. Nabumetone
 - C. Rofecoxib
 - D. Celecoxib
16. The most prominent action of leukotriene B₄ is:
- A. Vasodilatation
 - B. Uterine contraction
 - C. Platelet aggregation
 - D. Chemotaxis of neutrophils and monocytes
17. Nonsteroidal antiinflammatory drugs are more commonly used than colchicine in acute gout because:
- A. They are more effective
 - B. They act more rapidly
 - C. They have additional uricosuric action
 - D. They are better tolerated
18. What is true of acid control therapy with H₂ blockers:
- A. It generally heals duodenal ulcers faster than gastric ulcers

- B. It checks bleeding in case of bleeding peptic ulcer
 - C. It prevents gastroesophageal reflux
 - D. Both 'A' and 'B' are correct
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20. In a conscious patient of poisoning, use of an emetic is permissible in case the ingested poison is:
- A. Ferrous sulfate
 - B. Sodium hydroxide
 - C. Kerosine
 - D. Morphine
21. Used as a laxative, liquid paraffin has the following drawbacks except:
- A. It interferes with absorption of fat soluble vitamins
 - B. It is unpleasant to swallow
 - C. It causes griping
 - D. It can produce foreign body granulomas
22. For optimum rehydration, the molar concentration of glucose in ORS should be:
- A. Equal to or somewhat higher than the molar concentration of Na⁺
 - B. Somewhat lower than molar concentration of Na⁺
 - C. One third the molar concentration of Na⁺
 - D. Three times the molar concentration of Na⁺
23. The 'new formula' WHO-ORS differs from the older 'standard formula' WHO-ORS in the following respect(s):
- A. It has lower Na⁺ ion and glucose concentration
 - B. It has higher K⁺ ion concentration
 - C. It has no basic salt
 - D. Both 'B' and 'C' are correct
24. The following is/are true of mesalazine:
- A. It exerts mainly local antiinflammatory action in the lower gut
 - B. It is a broad spectrum antidiarrhoeal drug
 - C. It can be administered as a retention enema
 - D. Both 'A' and 'C'
25. Which of the following chelating agents is recommended for acute Lead poisoning with signs of encephalopathy?
- A. Succimer
 - B. Penicillamine
 - C. EDTA
 - D. Dimercaprol + Calcium EDTA

Answer key:

1	A	11	B	21	C
2	A	12	C	22	A
3	A	13	B	23	A
4	A	14	B	24	D
5	A	15	C	25	D
6	A	16	D		
7	C	17	D		
8	A	18	A		
9	D	19	A		
10	B	20	A		