

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**D. Pharm. Summer -2022- 23 Examination**

Year: 2

Subject Code: ER-20-21T

Subject Name: PHARMACOLOGY &amp; TOXICOLOGY

Date: 27/03/2023

Time: 2:00pm to 5:00pm

Total Marks: 80

**Instructions:**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)****(20)**

1. ADME process involved in-
 

(A) Pharmacodynamic	(C) Pharmacotoxicology
(B) Pharmacokinetic	(D) Pharmacotherapeutics
2. Which of the following general anesthetic belongs to inhalant?
 

(A) Thiopental	(C) Ketamine
(B) Desfluran	(D) Propofol
3. Most important Mechanism of drug transport
 

(A) Filtration	(C) Passive diffusion
(B) Active transport	(D) Facilitated diffusion
4. Choose drug which is H1 Receptor Antagonist-
 

(A) Diphenhydramine	(C) Chlorpheniramine
(B) Promethazine	(D) All of the above
5. Which of the following is non-narcotic drug?
 

(A) Salicylate	(C) Codeine
(B) Phenylbutazone	(D) All of above
6. Side effect of loop diuretic except
 

(A) Hypokalaemia	(C) Ototoxicity
(B) hyperglycemia	(D) Hypercalcemia
7. oral hypoglycaemic belonging to sulphonylurease class is .....
 

(A) Phenformin	(C) Tolbutamide
(B) Rosiglitazone	(D) Acarbose
8. Which of the following antimalarial drugs is a slow acting schizonticide?
 

(A) Artemether	(C) Pyrimethamine
(B) Mefloquine	(D) Quinine
9. Mebendazole cannot be used for:
 

(A) Ascariasis	(C) Onchocercosis
(B) Entrobilus vermicularis	(D) Hydatid cyst disease
10. which of the following is not a 2nd generation antihistamine?
 

(A) Cetirizine	(C) Loratadine
(B) Cyclizine	(D) Fexofenadine
11. Amoebiasis is also known as.....
 

(A) Amoebic dysentery	(C) Fungal infection
(B) Helminth infection	(D) None of above
12. Acyclovir is Antiviral Drug belong to the class?
 

(A) Non-Retroviral	(C) Retroviral Drugs
(B) Antifungal	(D) NRLIs
13. Which one is Antispasmodic agent?
 

(A) Dicyclomine	(C) Tinidazol
(B) Paracetamol	(D) Cyclopentolate
14. Opioid analgesics provide symptomatic relief of.....
 

(A) Pain	(C) Cough
(B) Diarrhea	(D) All of the above

15. Most of metabolites are excreted from-
- (A) The kidneys (C) The lungs  
(B) The bile (D) Saliva
16. Ulcer is caused by.....
- (A) NSAIDs (C) Stress  
(B) Steroids (D) All of above
17. Which of the following is not mucolytics?
- (A) Bromhexine (C) Ambroxol  
(B) Acetyl Cysteine (D) Chlorpheniramine
18. Which one is coagulating agent?
- (A) Ethamsylate (C) A & B both  
(B) Phytonadione (D) None of these
19. Laxatives decrease the pharmacological effect of:
- (A) Poorly absorbed drugs (C) Delayed acting drugs  
(B) Extended- r e l e a s e formulations (D) All of above
20. Hypnotic drugs should
- (A) Reduce anxiety and exert a calming effect (C) Produce drowsiness, encourage the onset and maintenance of sleep  
(B) Induce absence of sensation (D) Prevent mood swings in patients with bipolar affective disorders

**Q.2 Long Answers (any 8 out of 10) (05 Mark Each)**

**(40)**

1. Write a note on Local anesthetic agents.
2. What is Bioavailability. Explain factors affecting on bioavailability.
3. Explain drugs used in Glaucoma in detail.
4. Explain steps involves in neurohumoral transmission.
5. Classify Anti- hypertensive drugs, give MOA of Ace-Inhibitor and diuretics.
6. Classify sedative and hypnotic drugs and write MOA of each class.
7. Write definition classification and pharmacological action of Bronchodilators.
8. Classification of Oral Hypoglycemic agents & MOA of metformin.
9. Classification of Anti- viral drug' s with MOA of Acyclovir & Lenofovir ?
10. Classification, clinical use of histamine & 5HT antagonist.

**Q.3 Short Answers (2 Mark Each) {Answer any 10}**

**(20)**

1. Describe factors affecting absorption.
2. Explain pharmacological actions of Mydriatics.
3. Explain factors affecting on drug distribution
4. Give the classification of NSAIDs.
5. Write a note on opioid analgesic and classify it.
6. Write mechanism of actions of Metoprolol & Verapamil.
7. Give the Classification of Anticoagulants.
8. Classify the anti-psychotic drugs.
9. Classify Anti-Diuretic's Drug.
10. Enlist functions & deficiency of vitamin D.
11. Write Physiological role of Histamine.
12. Write a note on Corticosteroid.