

PARUL UNIVERSITY
FACULTY OF PHARMACY
D. Pharm., November-2019 Examination

Year: 2

Subject Code: 08600202

Subject Name: Pharmaceutical chemistry-II

Date: 25/11/2019

Time: 10:00am to 1:00pm

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. Hyperlipidemia is caused due to

A) Fungal infection	B) Sedation
C) Atherosclerosis	D) Immunological disorder
2. Clofazimine is _____.

A) antimalarial drug	B) antibiotics
C) anti-leprotic drug	D) antiseptics
3. Chloroquine is an antimalarial drug which belongs to the class of

A) 4-Amino quinoline	B) 8-Amino quinoline
C) 9-Amino quinoline	D) Acridine
4. Indomethacin has which of the following ring?

A) Thiophene	B) Pyrrole
C) Pyridine	D) Indole
5. Aspirin is

A) Acetyl salicylic acid	B) Chloro benzoic acid
C) Benzoyl salicylic acid	D) Anthranilic acid
6. Water soluble diagnostic agent is _____.

A) Iopanoic acid	B) Diatrizoic acid
C) Iodophthalein	D) Propylidone
7. Neomycin is _____.

A) Macrolide antibiotic	B) Aminoglycoside antibiotic
C) Polypeptide antibiotic	D) beta-lactam antibiotic
8. Metronidazole contains _____ ring

A) Furan	B) Thiophene
C) Imidazole	D) Pyrrole
9. Which one of the following drug is carbonic anhydrase inhibitor?

A) Acetazolamide	B) Ethacrynic acid
C) Amiloride	D) Mannitol
10. Which one of the following used as antithyroid agent?

A) Omeprazole	B) Methimazole
C) Metronidazole	D) Ibuprofen
11. Atropine is _____.

A) Adrenergic antagonist	B) Cholinergic agonist
C) Adrenergic agonist	D) Cholinergic antagonist
12. Cotrimoxazole is a mixture of _____.

A) Sulphamethoxazole & Sulphacetamide	B) Sulphadiazine & Trimethoprim
C) Sulphacetamide & Trimethoprim	D) Sulphamethoxazole & Trimethoprim
13. Thiopental sodium is used as _____.

A) Antimalarial drug	B) General Anaesthetics
C) Diuretic	D) Anti-leprotic drug
14. Diphenhydramine hydrochloride belongs to

A) Piperazine derivatives	B) Ethylene diamine derivatives
C) Amino alkyl ether derivatives	D) Phenothiazine derivatives

15. Tolbutamide is the drug under the category of:
- | | |
|-----------------------|------------------|
| A) Thiazolidinediones | B) Meglitindes |
| C) Biguanides | D) Sulfonylureas |
16. Isoniazid used in treatment of
- | | |
|-----------------|------------|
| A) Tuberculosis | B) Malaria |
| C) Thyphoid | D) Dengue |
17. Which of the following is antifungal antibiotic?
- | | |
|-------------------|---------------|
| A) Naftifine | B) Nystatine |
| C) 5-fluocytosine | D) Nafimidone |
18. The normal blood pressure is
- | | |
|-----------|-----------|
| A) 120/90 | B) 120/80 |
| C) 139/80 | D) 140/90 |
19. Which of the following is a broad spectrum antibiotic?
- | | |
|-----------------|------------------|
| A) Tetracycline | B) Methicillin |
| C) Ticarcillin | D) Carbenicillin |
20. Which is the major side effect of chloramphenicol
- | | |
|-----------------------|----------------------|
| A) Crystal urea | B) Hypersensitivity |
| C) Gray baby syndrome | D) None of the above |

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

(40)

1. Write short note on oral hypoglycemic agents.
2. Discuss cardiovascular drugs in brief.
3. Discuss in brief anthelmintics.
4. Define and classify Diuretics.
5. Describe life cycle of plasmodium.
6. Classify antihistaminic drugs with suitable examples.
7. Write in brief about anticoagulants.
8. Give the classification of antineoplastic agents and discuss any one class in detail.
9. What are beta-lactam antibiotics? Classify any one of them.
10. Write short note on NSAIDS.

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

(20)

1. Define tranquillizer with examples.
2. Draw the structure of quinoline and imidazole.
3. Give name of drugs used as hypnotics.
4. Classify antitubercular agents.
5. Define analeptics and disinfectants.
6. Write mechanism of action of sulphonamides.
7. Classify cholinergic agents.
8. Draw structure of pyridine and Indole.
9. Write a note on Diagnostic agents.
10. Give chemical structure of chloroquine and metronidazole.
11. Give any one name and structure of drug used as antiamebic agents.
12. Give name of drugs used as local anaesthetic.