



**BACHELOR OF MEDICAL LABORATORY  
TECHNOLOGY  
FOURTH SEMESTER  
BASIC PHARMACOLOGY  
BMLT – 401 [SPECIAL REPEAT]  
[USE OMR SHEET FOR OBJECTIVE PART]**

Duration: 3 hrs.

Full Marks: 70

[ Objective ]

Time: 30 min.

Marks: 20

*Choose the correct answer from the following:*

*1×20=20*

- Angina also called-----that reduce----
  - Ischemic Chest pain , blood flow
  - Ischemic Chest pain , urine flow
  - Ischemic heart pain , blood flow
  - None of the above
- Anti anxiety drug is
  - Ampixillin
  - Thiopentone
  - Diazepam
  - Diazene
- What does “pharmacokinetics” include?
  - Pharmacological effects of drugs
  - Unwanted effects of drugs
  - Chemical structure of a medicinal agent
  - Distribution of drugs in the organism
- Excess intake of drugs leads to
  - Liver damage, Vomiting
  - Arthritis, vomiting
  - UTL, nausea
  - UTI, Vomiting
- A progressive disease that destroy memory and other important mental function is
  - Epilepsy
  - Parkinson disease
  - Alzheimer’s disease
  - None of the above.
- Dictionary word for Augmented and drug abuse.
  - Excess of drug, misuse of drug
  - Excess of drug, overdose
  - Overdose, Depend on drug
  - Depend on drug, excess of drug
- Half life of a drug may be helpful to determine the
  - Rate of absorption in GI tract
  - Time to get the steady state
  - Level of absorption
  - Distribution of drug
- Pharmacokinetics is
  - Study of biological and therapeutic effects
  - Study of mechanism of drug action
  - Study of absorption, distribution, metabolism and excretion of drug
  - None of the above

9. The main mechanism of most drugs absorption in GI tract is:
  - a. Active transport (carrier-mediated diffusion)
  - b. Filtration (aqueous diffusion)
  - c. Endocytosis and exocytosis
  - d. Passive diffusion (lipid diffusion)
10. Full form of SOS
  - a. System operating system
  - b. See on symptoms
  - c. Sai opas sis
  - d. None
11. Pernicious anemia results from a deficiency of which of vitamins
  - a. Vit C
  - b. Vit D
  - c. Vit E
  - d. Vit B12
12. Which of these anticonvulsant drugs is only used to treat absence seizures?
  - a. Levetiracetam
  - b. Carbamazepine
  - c. Zonisamide
  - d. Ethosuximide
13. Which of these drugs is an effective treatment option for patients with gonorrhoea?
  - a. Ceftriaxone
  - b. Ampicillin
  - c. Diclofenac
  - d. Cefditmir
14. Which of these drug combinations is most effective at treating fulminant C. difficile infection?
  - a. Clarithromycin / doxycycline
  - b. Linezolid / metronidazole
  - c. Doxycycline / benzylpenicillin
  - d. Vancomycin/Metronidazole
15. Ariboflavinosis is a disease that results from a deficiency of which of these B vitamins?
  - a. Vit B1
  - b. Vit B2
  - c. Vit B3
  - d. Vit B4
16. Which of these immunosuppressant drugs works as an mTOR inhibitor?
  - a. Everolimus
  - b. Azathioprine/Muromonab
  - c. Muromona
  - d. Fingolimod
17. Which of these drugs works as a mu-opioid agonist within the myenteric plexus?
  - a. Bicalutamide
  - b. Loperamide
  - c. Metoclopramide
  - d. Niclosamide
18. Which of these antifungal drugs works by inhibiting the enzyme, squalene epoxidase?
  - a. Amphotericin b
  - b. Caspofungin
  - c. Terbinafine
  - d. Griseofulvin

19. Which of these oral antidiabetic drugs increases the risk of bladder cancer and bone fractures?
- a. Pioglitazone
  - b. Metformin
  - c. Canagliflozin
  - d. Liraglutide
20. The anticancer drug, etoposide, works by targeting which of these topoisomerase enzymes?
- a. Topoisomerase I
  - b. Topoisomerase II
  - c. Topoisomerase III
  - d. Topoisomerase IV

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**( Descriptive )**

Time : 2 hrs. 30 min.

Marks : 50

*[ Answer question no.1 & any four (4) from the rest ]*

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|--|--------|
| 1. What is mean by plasma half life with example? What are the factors affecting plasma half life? | 5+5=10 |
| 2. What is pharmacology and what are the routes of drug administration?                            | 2+8=10 |
| 3. What is mean by sedatives and hypnotics & write a note on Parkinson's disease?                  | 5+5=10 |
| 4. Write a note on classification of antimicrobial agent according to their action.                | 10     |
| 5. What is mean by pharmacodynamics & write a note on Adverse drug reaction?                       | 10     |
| 6. What are the manifestation of ADR and its classification  | 10     |

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