

REV-01  
BMLT/68/34/39

2023/12

BACHELOR OF MEDICAL LABORATORY TECHNOLOGY  
FIRST SEMESTER  
PHYSIOLOGY I  
BMLT – 102

**SET  
B**

(USE OMR SHEET FOR OBJECTIVE PART)

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

( Objective )

Marks: 20

*Choose the correct answer from the following:*

$1 \times 20 = 20$

1. A digestive organ that is not a part of the GI tract is the
  - a. Stomach
  - b. Liver
  - c. Small intestine
  - d. Pharynx
2. A fluid in the mouth that helps to digest food is
  - a. Pepsi
  - b. Saliva
  - c. Pepsin
  - d. Salty
3. What is the name of the immovable junction between two bones?
  - a. Hinge
  - b. Suture
  - c. Saddle
  - d. Socket
4. The \_\_\_\_\_ produces RBC which transport \_\_\_\_\_ and some \_\_\_\_\_.
  - a. Liver, CO<sub>2</sub>, O<sub>2</sub>
  - b. Bone marrow, O<sub>2</sub>, Hormone
  - c. Bone marrow, O<sub>2</sub>, CO<sub>2</sub>
  - d. Liver, O<sub>2</sub>, CO<sub>2</sub>
5. How many muscles are there in the body of human
  - a. 340
  - b. 560
  - c. 640
  - d. 860
6. Tendon connects bone and
  - a. Bone
  - b. Muscles
  - c. Ligaments
  - d. Cartilage
7. Serum differs from blood in
  - a. Lacking globulins
  - b. Lacking albumins
  - c. Lacking clotting factors
  - d. Lacking antibodies
8. Systolic and diastolic Blood pressure is
  - a. 120/80 mmHg
  - b. 80/120 mmHg
  - c. 120 mmHg
  - d. None of the above
9. What is the sort of joint that connects the neighboring vertebrae?
  - a. Pivot joint
  - b. Fibrous joint
  - c. Cartilagenous joint
  - d. Gliding joint

10. Interphase is also called
- |                   |                         |
|-------------------|-------------------------|
| a. Resting phase  | b. Working phase        |
| c. Dividing phase | d. Multiplication phase |
11. Which part of the alimentary canal receives bile's from liver?
- |                    |                      |
|--------------------|----------------------|
| a. Large intestine | b. Small intestine   |
| c. Pancreas        | d. None of the above |
12. Which of these is the correct order of events in the cell cycle
- |              |              |
|--------------|--------------|
| a. G1→G2→S→M | b. G1→G2→M→S |
| c. G1→S→G2→M | d. S→M→G1→G2 |
13. The alpha cells in the pancreas secrete
- |             |                     |
|-------------|---------------------|
| a. Insulin  | b. Thyroxin         |
| c. Glucagon | d. Pancreatic juice |
14. The enzyme present in pancreatic juices are
- |                              |                                |
|------------------------------|--------------------------------|
| a. Peptidase, pepsin amylase | b. Trypsinogen, lipase amylase |
| c. Maltase, amylase, pepsin  | d. Amylase, trypsinogen, renin |
15. Which digestive juices play an important role in the digestive of fats?
- |                              |                             |
|------------------------------|-----------------------------|
| a. Saliva, hydrochloric acid | b. Hydrochloric acid, mucus |
| c. Pancreatic juice, saliva  | d. Bile juice, pancreatic   |
16. The logical neck of the humerus is related to the
- |                   |                 |
|-------------------|-----------------|
| a. Axillary nerve | b. Radial nerve |
| c. Ulnar nerve    | d. Medial nerve |
17. Cell division cannot be stopped in which phase of the cell cycle
- |             |             |
|-------------|-------------|
| a. G1 phase | b. G2 phase |
| c. S phase  | d. Prophase |
18. Chromosome are composed of
- |                          |                      |
|--------------------------|----------------------|
| a. Protein, DNA          | b. Protein, RNA      |
| c. Glycolic acid, lysine | d. None of the above |
19. The excess of white corpuscles in the blood is called
- |           |                 |
|-----------|-----------------|
| a. Anemia | b. Leukocytosis |
| c. Anoxia | d. Septicemia   |
20. Which of the following blood cells play an important role in blood clotting
- |                 |                |
|-----------------|----------------|
| a. Thrombocytes | b. Neutrophils |
| c. Erythrocytes | d. Leucocytes  |

**( Descriptive )**

Time : 2 hrs. 30 min.

Marks : 50

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

1. Describe about cell, cell division, cell cycle and its function. 10
2. What is blood group? why it is important and write down the rules of blood group. 2+8=10
3. Write a note on pulse and shock. 5+5=10
4. Write a long note on Cardiovascular system. 10
5. What is digestion, mechanical digestion and chemical digestion? Discuss the movement of the alimentary tract. 5+5=10
6. List down the digestive juices, its secretion, composition and Function. 4+2+4  
=10
7. Describe the structure of bone with diagram? List down the type and function of bone. 5+5=10
8. Describe the composition and Function of blood. 10

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