

**SET  
A**

**BACHELOR OF MEDICAL LABORATORY TECHNOLOGY  
SECOND SEMESTER  
PHYSIOLOGY II  
BMLT – 202 [REPEAT]**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

( Objective )

Marks: 20

1×20=20

*Choose the correct answer from the following:*

- Name the site of sperm maturation
  - Ductus Deferens
  - Urethra
  - Epididymis
  - Spermatic cord
- Which gland is located just superior to the kidneys?
  - Pituitary
  - Ovaries
  - Thyroid
  - Adrenal
- Which gland protects the body against pathogens; and helps in body defense mechanism
  - Thymus gland
  - Pineal gland
  - Parathyroid gland
  - Thyroid gland
- Short sightedness is due to
  - Weaker Muscles
  - Shifting of Iris
  - Elongation of Eyeball
  - Weakening of the retina
- Name the hormone which is at peak during ovulation
  - LH
  - FHS
  - Estrogen
  - Progesterone
- The outer covering of brain is
  - Dura mater
  - Piameter
  - Arachnoid mater
  - None of the above
- What is the pressure of Effective filtrate (EFP)
  - 10mmHg
  - 30mmHg
  - 60mmHg
  - None of the above
- Ketone bodies in urine is detected by
  - Hays test
  - Roth era's test
  - Benedict test
  - None
- All of the following are pure endocrine gland except one
  - Pineal gland
  - Adrenal gland
  - Pituitary gland
  - Pancreas

10. Basophil, Eosinophil's and Neutrophils are referred to as
  - a. Platelets
  - b. Astrocytoma's
  - c. Granulocytes
  - d. Buffers
11. Kidneys do not play any significant role in the removal of
  - a. Water
  - b. Ammonia
  - c. Urea
  - d. Uric acid
12. Which part of nephron is also called as renal corpuscle
  - a. Bowman's capsule
  - b. Glomerulus
  - c. Both a & b
  - d. none
13. The clusters of cells in the pancreas that produce hormones are the:
  - a. Pancreatic cortex
  - b. Pancreatic medulla
  - c. Islets of Langerhans
  - d. None of the above
14. Calcitonin is a hormone of which glands
  - a. Thyroid gland
  - b. Pituitary gland
  - c. Adrenal gland
  - d. Thymus gland
15. ----- is caused of simple goiter
  - a. Vitamin D deficiency
  - b. Iodine deficiency
  - c. Iron deficiency
  - d. Calcium deficiency
16. Rods and Cons are the part of
  - a. Retina
  - b. Eye lens
  - c. Cornea
  - d. Pupil
17. Lymphocytes are of two types
  - a. T cells and Erythrocytes
  - b. Erythrocytes and platelets
  - c. T cells and platelets
  - d. T cells and B cells
18. Which of the following is essential in blood clotting
  - a. RBC
  - b. WBC
  - c. Platelets
  - d. Lymph vessel
19. The saliva helps in the digestion of
  - a. Starch
  - b. Fats
  - c. Proteins
  - d. Fibers
20. Which part of the body maintain the fluid and electrolyte balance of the body fluid and excrete waste products through urine formation
  - a. Heart
  - b. Kidney
  - c. Rectum
  - d. Gall bladder

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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. Discuss in details about CSF and its composition, circulations, clinical importance and function | 5+5=10       |
| 2. Write a note on Mechanism of Urine formation and function of kidney                              | 5+5=10       |
| 3. Write a brief note on regulation of body temperature and function of skin.                       | 5+5=10       |
| 4. Write a detail note on female reproductive system with diagram.                                  | 2+3+5<br>=10 |
| 5. Discuss in details about spinal cord and its function.   | 5+5=10       |
| 6. Write a long note on physiology of respiration.  | 10           |
| 7. Write a long note on Lymphatic system  | 10           |
| 8. What are hormones. List down the important hormones present in our body with function            | 10           |

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