

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

**SET
A**

[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:

1×20=20

- 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

(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
=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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