

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

**SET
B**

[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

- Which part of nephron is also called as renal corpuscle
 - Bowman's capsule
 - Glomerulus
 - Both a & b
 - none
- Which hormone is secreted by testis
 - Oestrogen
 - Testosterone
 - Progesterone
 - None
- Parathormone and calcitonin hormone is secreted by which type of endocrine gland
 - Pituitary gland
 - Thyroid gland
 - Parathyroid land
 - Adrenal gland
- Kidneys do not play any significant role in the removal of
 - Water
 - Ammonia
 - Urea
 - Uric acid
- The master of endocrine gland is
 - Pituitary gland
 - Adrenal gland
 - Thyroid gland
 - Parathyroid gland
- is caused of simple goitre
 - Vitamin D deficiency
 - Iodine deficiency
 - Iron deficiency
 - Calcium deficiency
- All of the following are pure endocrine gland except one
 - Pineal gland
 - Adrenal gland
 - Pituitary gland
 - Pancreas
- Which hormone regulate the growth of the body
 - LH
 - Vasopressin hormone
 - Growth hormone
 - Oxytocin hormone

9. CSF is found in
 - a. Epidural space
 - b. Subdural space
 - c. Subarachnoid space
 - d. All options
10. Function of CSF is
 - a. Protects the brain and spinal cord from shock
 - b. Provides blood
 - c. Protects skin
 - d. None of the above
11. Which is the largest part of the brain
 - a. Cerebrum
 - b. Pons
 - c. Cerebellum
 - d. Mid brain
12. 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
13. -----keeps testes outside the body and below body temperature
 - a. Prostate gland
 - b. Penis
 - c. Scrotum
 - d. Seminiferous vesicles
14. Hormones called TCT which regulates the blood
 - a. Potassium level
 - b. calcium level
 - c. Sodium level
 - d. urine level
15. The other name of Bulbourethral gland is
 - a. Meibomian gland
 - b. Prostatic gland
 - c. Cowpers gland
 - d. Prostate gland
16. Which part of the brain support posture and balance
 - a. Cerebrum
 - b. cerebellum
 - c. Brain stem
 - d. pons
17. Which gland protects the body against pathogens; and helps in body defence mechanism
 - a. Thymus gland
 - b. Pineal gland
 - c. Parathyroid gland
 - d. Thyroid gland
18. Female reproductive system does not include
 - a. Mammary gland
 - b. External genitalia
 - c. Cowper's gland
 - d. Ovaries
19. What is the pressure of Effective filtrate (EFP)
 - a. 10mmHg
 - b. 30mmHg
 - c. 60mmHg
 - d. None of the above
20. Ketone bodies in urine is detected by
 - a. Hays test
 - b. Rothera's test
 - c. Benedict test
 - d. None

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

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| 1. Discuss the function of male reproductive system .Discuss lactation and its advantages & disadvantages. | 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. What is CSF , write function and composition ,and its specimen collection? | 2+3+5
=10 |
| 5. Write a short note on pineal and parathyroid gland. | 5+5=10 |
| 6. Write a long note on physiology of respiration. | 10 |
| 7. Write a long note on Human Brain. | 10 |
| 8. Write a long note on Fluid and electrolyte balance | 10 |

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