

**SET
A**

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

- keeps testes outside the body and below body temperature
 - Prostate gland
 - Penis
 - Scrotum
 - Seminiferous vesicles
- Hormones called TCT which regulates the blood
 - Potassium level
 - calcium level
 - Sodium level
 - urine level
- Which gland protects the body against pathogens; and helps in body defence mechanism
 - Thymus gland
 - Pineal gland
 - Parathyroid gland
 - Thyroid gland
- The other name of Bulbourethral gland is
 - Meibomian gland
 - Prostatic gland
 - Cowpers gland
 - Prostate gland
- Female reproductive system does not include
 - Mammary gland
 - External genitalia
 - Cowper's gland
 - Ovaries
- Which part of the brain support posture and balance
 - Cerebrum
 - cerebellum
 - Brain stem
 - pons
- What is the pressure of Effective filtrate (EFP)
 - 10mmHg
 - 30mmHg
 - 60mmHg
 - None of the above
- Ketone bodies in urine is detected by
 - Hays test
 - Rothera's test
 - Benedict test
 - None

9. All of the following are pure endocrine gland except one
 a. Pineal gland
 b. Adrenal gland
 c. Pituitary gland
 d. Pancreas
10. The master of endocrine gland is
 a. Pituitary gland
 b. Adrenal gland
 c. Thyroid gland
 d. Parathyroid gland
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. Parathormone and calcitonin hormone is secreted by which type of endocrine gland
 a. Pituitary gland
 b. Thyroid gland
 c. Parathyroid land
 d. Adrenal gland
14. Which hormone is secreted by testis
 a. Oestrogen
 b. Testosterone
 c. Progesterone
 d. None
15. ----- is caused of simple goitre
 a. Vitamin D deficiency
 b. Iodine deficiency
 c. Iron deficiency
 d. Calcium deficiency
16. Which hormone regulate the growth of the body
 a. LH
 b. Vasopressin hormone
 c. Growth hormone
 d. Oxytocin hormone
17. CSF is found in
 a. Epidural space
 b. Subdural space
 c. Subarachnoid space
 d. All options
18. Function of CSF is
 a. Protects the brain and spinal cord from shock
 b. Provides blood
 c. Protects skin
 d. None of the above
19. Which is the largest part of the brain
 a. Cerebrum
 b. Pons
 c. Cerebellum
 d. Mid brain
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 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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