

**BACHELOR OF PHYSIOTHERAPY
SECOND SEMESTER
HUMAN PHYSIOLOGY II
BPT – 202 [REPEAT]**
[USE OMR SHEET FOR OBJECTIVE PART]

**SET
A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 min.

(Objective)

Marks: 20

Choose the correct answer from the following:

1×20=20

- Melatonin is secreted by which endocrine gland ?
 - Parathyroid gland
 - Adrenal gland
 - Pituitary
 - Pineal gland
- CSF flows from the lateral ventricle to the third ventricle by
 - Foramen of Magendie
 - Colloid cyst
 - Foramen of monro
 - Lumbur puncture
- Trigeminal is anerve
 - Sensory
 - Motor
 - Mixed
 - All of above
- Reticular formation is situated in-
 - Spinal cord
 - Brainstem
 - Cortex
 - Thalamus
- Paralysis of both upper limbs and lower limbs is called :
 - Monoplegia
 - Diplegia
 - Hemiplegia
 - Quadruplegia
- Pain and thermal sensation is detected by
 - Anterior spinocortical tract
 - Lateral corticospinal tract
 - Anterior spinothallamic tract
 - Lateral spinothallamic tract
- The organ of Corti is involved in Sense of :
 - Hearing
 - Vision
 - Taste
 - Smell
- Extrapyramidal tracts originate from
 - Pons
 - Medulla
 - Brainstem
 - Spinal cord
- Hypothyroidism in an infant is called :
 - Goitre
 - Cretinism
 - Myxoedema
 - Grave's disease

10. Which of the following is an autoimmune disorder of the muscle?
- | | |
|----------------------|--------------------------------|
| a. Myasthenia Gravis | b. Lambert Myasthenic Syndrome |
| c. Both | d. All |
11. Anosmia is loss of sense of :
- | | |
|------------|-----------|
| a. Smell | b. Vision |
| c. Hearing | d. Touch |
12. These tracts receive input from the optic nerves
- | | |
|--------------------------|---------------------------|
| a. Reticulospinal tracts | b. Vestibulospinal tracts |
| c. Tectospinal Tracts | d. Rubrospinal tracts |
13. Tetany occurs due to :
- | | |
|-------------------|----------------------------|
| a. Hypercalcaemia | b. Lowered Sodium level |
| c. Hypocalcaemia | d. Lowered Potassium level |
14. The pain that is perceived at a site adjacent to or away from site of origin.
- | | |
|------------------|---------------|
| a. Fast pain | b. Slow pain |
| c. Referred pain | d. Acute pain |
15. All of the following are hormones of Adrenal cortex except :
- | | |
|------------------------|-------------------------|
| a. Glucocorticoids | b. Adrenal sex steroids |
| c. Mineralo corticoids | d. Catecholamines |
16. Which system deals with emotional connections
- | | |
|---------------------------|------------------|
| a. Basal Ganglia | b. Limbic System |
| c. Neuromuscular junction | d. All |
17. How many Cranial nerves are present in man :
- | | |
|-------|-------|
| a. 12 | b. 10 |
| c. 9 | d. 11 |
18. The shape of muscle spindle is
- | | |
|---------------|-------------|
| a. Triangular | b. Circle |
| c. Fusiform | d. Striated |
19. A single blood glucose level from the following will confirm the diagnosis of Diabetes mellitus :
- | | |
|-------------------------|--------------------------------|
| a. Fasting 125 mg% | b. Any result 200 mg% or above |
| c. Postprandial 150 mg% | d. 100 mg% |
20. Onset of symmetrical tonic labyrinthine is
- | | |
|--------|--------|
| a. 3-5 | b. 4-6 |
| c. 7-8 | d. 5-7 |

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

- | | |
|---|--------------|
| 1. a. Define Diabetes mellitus. | 3+7=10 |
| b. Describe laboratory diagnosis of Diabetes mellitus. | |
| 2. What is limbic system? Name the structures of limbic system?
Write the functions of limbic system? | 3+3+4
=10 |
| 3. a. Describe the Parathyroid glands. | 5+5=10 |
| b. Describe the Pineal gland. | |
| 4. What is basal ganglia? What are the different parts of basal ganglia ? Write more about caudate nucleus? | 3+3+4
=10 |
| 5. a. What is CSF | 4+6=10 |
| b. Describe circulation of CSF with appropriate diagrams. | |
| 6. What is pyramidal tracts of descending tracts? Write in details about corticospinal tracts? | 5+5=10 |
| 7. Write an essay on the Pituitary gland. | 10 |
| 8. What is Bell Magendie Law? Write the differences between upper motor neuron lesion and lower motor neuron lesion?
Write the symptoms and management of tabes dorsalis | 3+3+4
=10 |

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