

**BACHELOR OF PHYSIOTHERAPY  
SECOND SEMESTER  
HUMAN PHYSIOLOGY II  
BPT – 202**

**SET  
A**

[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:**

1. Melatonin is secreted by which endocrine gland ?
  - a. Parathyroid gland
  - b. Adrenal gland
  - c. Pituitary
  - d. Pineal gland
2. CSF flows from the lateral ventricle to the third ventricle by
  - a. Foramen of Magendie
  - b. Colloid cyst
  - c. Foramen of monro
  - d. Lumbur puncture
3. Trigeminal is a .....nerve
  - a. Sensory
  - b. Motor
  - c. Mixed
  - d. All of above
4. Reticular formation is situated in-
  - a. Spinal cord
  - b. Brainstem
  - c. Cortex
  - d. Thalamus
5. Paralysis of both upper limbs and lower limbs is called :
  - a. Monoplegia
  - b. Diplegia
  - c. Hemiplegia
  - d. Quadruplegia
6. Pain and thermal sensation is detected by
  - a. Anterior spinocortical tract
  - b. Lateral corticospinal tract
  - c. Anterior spinothallamic tract
  - d. Lateral spinothallamic tract
7. The organ of Corti is involved in Sense of :
  - a. Hearing
  - b. Vision
  - c. Taste
  - d. Smell
8. Extrapramidal tracts originate from
  - a. Pons
  - b. Medulla
  - c. Brainstem
  - d. Spinal cord
9. Hypothyroidism in an infant is called :
  - a. Goitre
  - b. Cretinism
  - c. Myxoedema
  - d. 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?<br>Write the functions of limbic system?  | 3+3+4<br>=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<br>=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?<br>Write the symptoms and management of tabes dorsalis | 3+3+4<br>=10 |

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