

REV-01
BPT/01/05

2023/06

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:

$1 \times 20 = 20$

1. Melatonin is secreted by which endocrine gland :
 - a. Parathyroid
 - b. Adrenal
 - c. Pituitary
 - d. Pineal
2. Trigeminal is a.....nerve
 - a. Sensory
 - b. Motor
 - c. Mixed
 - d. All
3. Insulin is secreted by :
 - a. Delta cells of Islets of Langerhas
 - b. Alpha cells of Islets
 - c. Beta cell of Islet of Langerhans
 - d. PP cella of the Islets
4. Raphe nucleus is located in
 - a. Midline of nuclei of Cerebellum
 - b. Midline of nuclei of notochord
 - c. Midline of nuclei of brainstem
 - d. Midline of nuclei of brainstem
5. All of the following are hormones secreted by the Thyroid except
 - a. T3
 - b. TSH
 - c. T4
 - d. T1
6. Paralysis of both upper and lower limbs is called
 - a. Monoplegia
 - b. Diplegia
 - c. Hemiplegia
 - d. Quadraplegia
7. The organ of Corti is involved in
 - a. Sense of hearing
 - b. Sense of Taste
 - c. Sense of Vision
 - d. Sense of Smell
8. Merkel cells are used for
 - a. Fine touch
 - b. Crude touch
 - c. Tactile localization
 - d. Tactile touch
9. Tetany occurs due to :
 - a. Hypercalcaemia
 - b. Lowered Sodium level
 - c. Hypocalcaemia
 - d. Lowered Potassium level

10. What is situated below thalamus?
 a. Basal ganglia
 b. Hypothalamus
 c. Reticular formation
 d. All
11. Hypothyroidism in infants is called
 a. Myxoedema
 b. Cretinism
 c. Goitre
 d. Grave's disease
12. How many cranial nerves are present
 a. 9
 b. 10
 c. 11
 d. 12
13. Anosmia is :
 a. Loss of hearing
 b. Loss of vision
 c. Loss of sense of smell
 d. Loss of sense of touch
14. Thalamic syndrome is caused by infarction of.... thalamus.
 a. Anteroventral
 b. Posteroventral
 c. Medioventral
 d. Lateroventral
15. All of the following are hormones of Adrenal cortex except :
 a. Glucocorticoids
 b. Mineralocorticoids
 c. Adrenal sex steroids
 d. Catecholamines
16.is loss of ability to recognise a known object by touch with closed eyes
 a. Aphasia
 b. Anorexia
 c. Astereognosis
 d. Aphyxallis
17. Cushing Syndrome occurs due to :
 a. Excessive glucocorticoids
 b. Excessive mineralocorticoids
 c. Excessive sex hormone
 d. Excessive Aldosterone
18. Onset of STNR reflex is
 a. 1-2 months
 b. 2-4 months
 c. 4-6 months
 d. 6-8 months
19. A single blood glucose level from following will confirm the diagnosis of Diabetes mellitus
 a. Fasting 125 mg%
 b. Any result 200 mg% or above
 c. 150mg%
 d. 100 mg%
20. Rubrospinal tract is a part of
 a. Pyramidal tract of ascending tracts
 b. Extrapyramidal tract of ascending tracts
 c. Pyramidal tract of descending tracts
 d. Extrapyramidal tract of descending tracts

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

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|----|---|--------|
| 1. | a. Define Diabetes mellitus | 3+3+4 |
| | b. Give clinical features of Diabetes mellitus and | =10 |
| | c. Give laboratory diagnosis of Diabetes mellitus | |
| 2. | Write about any three reflex out of following- STNR, ATNR, MORO'S reflex, palmar reflex, planter reflex | 10 |
| 3. | a. Describe the Parathyroid glands | 5+5=10 |
| | b. Give a brief description of Tetany. | |
| 4. | What is CSF? Write the circulation of CSF in details. | 10 |
| 5. | a. Describe Graves' disease. | 5+5=10 |
| | b. Describe Cretinism and Myxoedema. | |
| 6. | Write about the applied aspects of nervous system in details | 10 |
| 7. | Describe sense of Smell. Use neat diagrams. | 10 |
| 8. | What is muscle spindle? Write about bell magendie law? Elicit 5 differences between upper motor neuron and lower motor neuron lesion? | 10 |

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