REV-01 BPT/62/31/36

## **BACHELOR OF PHYSIOTHERAPY** SECOND SEMESTER **HUMAN PHYSIOLOGY II** BPT-202

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

**Objective** 

Time: 30 min.

Marks: 20  $1 \times 20 = 20$ Choose the correct answer from the following:

2023/06

SET

Full Marks: 70

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 d. PP cella of the Islets
- c. Beta cell of Islet of Langerhans
- 4. Raphe nucleus is located in
  - a. Midline of nuclei of Cerebellum
- b. Midline of nuclei of notochord d. Midline of nuclei of brainstem
- c. 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. Quadruplegia
- 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  c. Reticular formation		Hypothallamus All
11.	Hypothyroidism in infants is called <ul><li>a. Myxoedema</li><li>c. Goitre</li></ul>		Cretinism Grave's disease
12.	How many cranial nerves are present a. 9 c. 11		10 12
13.	Anosmia is:  a. Loss of hearing  c. Loss of sense of smell		Loss of vision Loss of sense of touch
14.	Thallamic syndrome is caused by infarction a. Anteroventral c. Medioventral	b.	thaialmus. Posteroventral Lateroventral
15.	All of the following are hormones of Adrena a. Glucocorticoids c. Adrenal sex steroids	b.	ortex <u>except :</u> Mineralocorticoids Catecholamines
16.	is loss of ability to recognise a kr a. Aphasia c. Astereognosis	b.	n object by touch with closed eyes Anorexia Aphyxallis
17.	Cushing Syndrome occurs due to :  a. Excessive glucocorticoids  c. Excessive sex hormone		Excessive mineralocorticoids Excessive Aldesterone
18.	Onset of STNR reflex is a. 1-2 months c. 4-6 months		2-4months 6-8months
19.	A single blood glucose level from following mellitus  a. Fasting 125 mg%		ill confirm the diagnosis of Diabetes  Any result 200 mg% or above
20.	c. 150mg% Rubrospinal tract is a part of		100 mg%  Extrapramidal tract of ascending
	<ul><li>a. Pyramidal tract of ascending tracts</li><li>c. Pyramidal tract of descending tracts</li></ul>	b.	tracts Extrapyramidal tract of descending

## **Descriptive**

Time: 2 hrs. 30 min. Marks: 50 [Answer question no.1 & any four (4) from the rest] a. Define Diabetes mellitus 3+3+4 b. Give clinical features of Diabetes mellitus and c. Give laboratory diagnosis of Diabetes mellitus 2. Write about any three reflex out of following-STNR, ATNR, 10 MORO"S reflex, palmar reflex, planter reflex 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 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 What is mucle spindle? Write about bell magendie law? Elicit 5 10 differences between upper motor neuron and lower motor neuron

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