REV-01
BPT/121/40/45

2025/06

SET A

BACHELOR OF PHYSIOTHERAPY
SECOND SEMESTER
HUMAN PHYSIOLOGY II
BPT – 202

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs. **Full Marks: 70**

Objective

Time: 30 min. **Marks: 20**

Choose the correct answer from the following: ***1×20=20***

1. Total number of Parathyroid glandare :
   a. 3 b. 4
   c. 5 d. 1

2. Subthalamic nucleus is situated below
   a. Black nucleus b. Red nucleus
   c. Green nucleus d. Blue nucleus

3. Insulin is secreted by which cells of Islets of Langerhans of Pancreas:
   a. Delta cells b. Alpha cells
   c. PP cells d. Beta cells

4. CSF flows from the lateral ventricle to the third ventricle is called-
   a. Aqueduct of sylvius b. Foramen of Monro
   c. Foramanof Magendie d. All

5. Total WBC count is :
   a. 5000 -10,000 b. 10,000-15,000
   c. 4000-11,000 d. 15,00-20,000

6. Which descending tract is associated with fine motor control
   a. Rubrospinal b. Reticulospinal
   c. Vestibulospinal d. Tectospinal

7. Which ABO blood group RBCs have no Blood Group Antigen :
   a. O Gr b. B Gr
   c. AB Gr d. A Gr

8. How many branches does the trigeminal nerve have
   a. 1 b. 2
   c. 3 d. 4

9. The life-span of the RBC is :
   a. 60 days b. 120 days
   c. 100 days d. 150 days

10. Pacinian corpuscle are receptors of
    a. Deep pressure
    b. Fine touch
    c. Both
    d. None

11. For correction of Myopia which of the following lenses used :
    a. Concave
    b. Convex
    c. Plain lens
    d. Coloured lens

12. Ability to perceive and recognise objects in form of shape is called-
    a. Stereognosis
    b. Vibration Sense
    c. Kinesthesia
    d. Tactile localization

13. Organ of Corti is a sense organ of :
    a. Smell
    b. Sight
    c. Taste
    d. Hearing

14. An individual ability to accurate diagnose the localization of pain s called-
    a. Fine touch
    b. Crude touch
    c. Tactile localization
    d. Tactile discrimination

15. Blood level of _____ mg% or more is a sure sign of Diabetes Mellitus :
    a. 200 mg% or more in any one test
    b. 125 mg%
    c. 100 mg%
    d. 110 mg%

16. Paralysis of lower half of body is called
    a. Monoplegia
    b. Hemiplegia
    c. Diplegia
    d. Paraplegia

17. All of the following is a Thyroid hormone Except :
    a. Thymosin
    b. T3
    c. T4
    d. TSH

18. Too much muscle tone in a body is called .
    a. Hypotonia
    b. Hypertonia
    c. Resistance
    d. Clonus

19. Platelets have :
    a. One nucleus
    b. No nucleus
    c. Two nuclei
    d. Four nuclei

20. Nuclei of hypothalamus are divided into.types
    a. 1
    b. 2
    c. 3
    d. 4

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Descriptive

Time : 2 hrs. 30 min. **Marks : 50**

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

1. **a.** Describe the Rh blood group system. **5+5=10**

   b. Describe Haemolytic Disease of the Newborn (HDN) including its treatment.

2. Explain in detail about Moro reflex. Explain in detail about asymmetrical tonic reflex. Add diagrams **10**

3. a. Define Diabetes Mellitus, **2+3+5 =10**
   b. What are its types and
   c. Describe laboratory diagnosis of Diebetes mellitus

4. What is EEG? Name the different waves of EEG? Write in details about alpha rhythm. **10**

5. Describe Blood Transfusion **10**

6. What is pyramidal and extra pyramidal tracts? Write about any two tracts that are present in extra pyramidal tracts **10**

7. Describe the Female Reproductive system ; use neat diagrams where necessary **10**

8. What are the branches of trigeminal nerve. Write about the trigeminal pathway in details. **10**

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