

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

(USE SEPARATE ANSWER SCRIPTS FOR OBJECTIVE & DESCRIPTIVE)

Duration: 3 hrs.

Full Marks: 70

(PART-A: Objective)

Time: 20 min.

Marks: 20

Choose the correct answer from the following:

1×20=20

- Moro reflexes is a type of
 - Spinal reflex
 - Midbrain reflex
 - Cranial reflex
 - None
- Caudate nucleus is a part of
 - Cerebrum
 - Cerebellum
 - Basal Ganglia
 - Medulla
- Pain gate theory was given by
 - Wall and Melzac
 - Tyson and Ryson
 - Melzac and Wall
 - Maitland
- The ability to perceive and recognize the form of an object in the absence of visual and auditory information, by using tactile information to provide cues from texture, size, spatial properties, and temperature, etc.
 - Crude touch
 - Stereognosis
 - Fine touch
 - Kinaesthesia
- CSF supports the weight of brain estimated at
 - 1100 gm
 - 1200gm
 - 1500gm
 - 1800gm
- The third ventricle and fourth ventricle are connected by
 - Foramen of Monroe
 - Foramen of Magendie
 - Cerebral Aqueduct
 - Arachnoid Villi
- Floppy muscle is.....
 - Normal
 - Hypertonicity
 - Hypotonicity
 - Spaticity
- Peripheral process of trigeminal nerve has.....branches.
 - 1
 - 2
 - 3
 - 4
- An interaction betweenhappens at midbrain at pain gate.
 - PAG And raphe nucleus
 - Substantia gelatinosa and PAG nucleus
 - Pag nucleus and substantia gelatinosa
 - None

10. Pyramidal and extrapyramidal tracts are part of
 - a. Vestibulocochlear tracts
 - b. Trigeminal pathway
 - c. Descending tracts
 - d. Ascending tracts
11. Diabetes mellitus is disease due to disorder of of metabolism of :
 - a. Carbohydrate alone
 - b. Fat alone
 - c. Carbohydrate, Protein and Fat
 - d. Protein alone
12. The hormones secreted by the Thyroid gland are all of the following Except :
 - a. Calcitonin
 - b. Thyrosin
 - c. Triiodothyronine
 - d. Thyroxine
13. All of the following are Local Hormones Except :
 - a. Melatonin
 - b. Histamine
 - c. Acetylcholine
 - d. Prostaglandins
14. Tears is secreted by :
 - a. Choroid
 - b. Lacrimal gland
 - c. Fovea
 - d. Cornea
15. The membrane which vibrates in response to sound wave is called :
 - a. Euphonic membrane
 - b. Diaphragmatic membrane
 - c. Perforated membrane
 - d. Tympanic membrane
16. Theconnects middle ear with pharynx
 - a. Fallopian canal
 - b. Stapes
 - c. Eustachian canal
 - d. Oval window
17. Taste is% smell.
 - a. 60%
 - b. 80%
 - c. 50%
 - d. 70%
18. Contraception is a method of :
 - a. Prevention of aging
 - b. Prevention of diarrhoea
 - c. Crowd control
 - d. Birth control
19. Dark adaptation is :
 - a. Adaptation with classmate
 - b. Adopting a baby
 - c. Ability of the eyes to adopt with decreasing illumination
 - d. Ability to adopt with financial crisis
20. Copper T is :
 - a. An alphabet
 - b. Intrauterine contraceptive device (IUCD)
 - c. Food supplement
 - d. Mineral supplement

(Part-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

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

1. What is muscle spindle? Write about functions and structure of muscle spindle. Explain polysynaptic reflex. 2+4+4=10
2. a) What is limbic system? Write about functions of limbic system. 5+5=10
b) Lumbar puncture. Circulation of CSF.
3. a) Write about any two brainstem reflexes in details. 5+5=10
b) What is thalamus? Write about anatomical classification of thalamic nuclei
4. a) Functions of Anterior spinothalamic tract and lateral spinothalamic tract 5+5=10
b) Name of 12 cranial nerves in chronological order listing sensory, motor or mixed. Mention about Rinnie test and test for accessory nerve.
5. a) Give a brief description Lactation.. 5+5=10
b) Give the composition of human milk.
6. a) Define Diabetes mellitus. 4+6=10
b) Describe the laboratory diagnosis of Diabetes mellitus.
7. a) Draw and label the Auditory Pathways. 5+5=10
b) Define Hertz.
8. a) Define and enumerate Local Hormones. 5+5=10
b) Write a short description of Prostaglandins.

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