

II Semester Supplementary Examination 2018

Bachelor of Physiotherapy

Physiology - II

(BPT-202)

Time: Three hours

Maximum marks: 80

(Write your Roll no at the top immediately on receipt if the this paper)

- No students is allowed to leave the hall before two hours
- Answer the questions from all sections as directed

SECTION - A

1. Fill in the blanks (compulsory question):

(2 x 5 = 10)

- The amount of air inspired or expired per breathe during normal respiration is called _____.
- Normal value of Glomerular filtration Rate per minute (GFR/min) is _____.
- Difficulty in breathing is called _____.
- The sensation of pain travels to the brain via _____ tract in the spinal cord.
- Receptors in eye for vision are _____ and _____.

2. Define the following (compulsory questions):

(2 x 5 = 10)

- Vital capacity
- Hypoxia
- Stretch reflex
- Hypercapnia
- Puberty

SECTION – B

3. Write short notes on any six:

(5 x 6 = 30)

- a) Accommodation reflex
- b) Hypothyroidism
- c) Spermatogenesis
- d) Saliva
- e) Acromegaly
- f) Renin angiotension mechanism
- g) Withdrawal reflex
- h) Referred pain

SECTION – C

Answer any two:

(15 x 2 = 30)

- 4. Discuss in detail about menstrual cycle with the help of well labeled diagram.
- 5. What are the functions of Hypothalamus? Discuss any one of them in detail.
- 6. Discuss briefly the effect of exercise on cardiovascular and respiratory systems.

II Semester Supplementary Examination 2018

Bachelor of Physiotherapy

**Human Anatomy – II
(BPT-201)**

Time: Three hours

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SECTION - A

1. Fill in the blanks :

(2 x 5 = 10)

- a) _____ and _____ are parts of mid brain.
- b) _____ is known as the study of fetus.
- c) _____ and _____ are paranasal sinuses.
- d) _____ and _____ are the ossicles.
- e) _____ and _____ are the hormones secreted by posterior pituitary.

2. Write actions and nerve supply of the following muscles:

(2 x 5 = 10)

- a) Levator ani
- b) External oblique of abdomen
- c) Quadratus lumborum
- d) Psoas Major
- e) Lateral Rectus

SECTION – B

3. Write short notes on **ANY SIX**:

(6 x 5 = 30)

- a) Umbilical Cord
- b) Structure of eye
- c) Popliteal Fossa
- d) Pancreas
- e) Sympathetic nervous system
- f) Eleventh cranial nerve
- g) Spermatogenesis

SECTION – C

Answer **ANY TWO**:

(15 x 2 = 30)

4. a) Write about landmark, course & branches of sciatic nerve. (10)
b) Write the clinical anatomy of common peroneal nerve. (5)
5. a) Write about the articular surfaces, type and variety, ligaments, range of motion and muscles associated with knee joint with the help of diagram (s). (10)
b) Write about ligaments of ankle joint. (5)
- . a) Describe the origin and course of cortico spinal tract. (10)
b) Add a note on its applied anatomy. (5)

Your Roll No -----