

Bachelor of Physiotherapy (BPT)
First Year Semester- I, January – 2018 Examination

Time: 3.00 Hrs.

[Max. Marks: 100]

PAPER-I
ANATOMY
Q.P Code: BPT-101

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe the thoracoabdominal diaphragm- attachments, functions, nerve supply and applied aspects.
2. Describe the shoulder joint under the following headings.
a) Type, subtype b) Bones forming the joint c) Ligaments and relations d) Muscles and movements d) Applied anatomy.
3. Describe the venous and lymphatic drainage of lower limb.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Extraocular muscles- names action and nerve supply.
5. Arch of aorta - location, branches, clinical relevance. .
6. Lateral ventricle of brain- parts and extension.
7. Hilum of lung.
8. Flexor retinaculum of hand - attachment, relations and functions.
9. Boundaries and contents of posterior triangle of neck.
10. Microscopic structure of elastic artery.
11. Internal capsule - parts and relations.
12. Graafian follicle.
13. Stomach bed.
14. Sternal angle.
15. Spleen - functions and organs related.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. Bronchopulmonary segments of right lung.
17. Cricothyroid muscle.
18. Parts of extrahepatic biliary apparatus.
19. Ischial tuberosity.
20. Little's area and its importance.
21. Wrist drop.
22. Name the superficial forearm muscles.
23. Name the cranial nerves.
24. Name the branches of celiac trunk.
25. Name the muscles supplied by musculocutaneous nerve.
26. Attachments of flexor retinaculum of foot.
27. Name the muscles supplied by superficial peroneal nerve.

Bachelor of Physiotherapy (BPT)

First Year Semester- I, January – 2018 Examination

Time: 3.00 Hrs.

[Max. Marks: 100]

PAPER-II
PHYSIOLOGY

Q.P Code: BPT-102

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Draw a neat labeled diagram of neuromuscular functions. Describe the steps in neuromuscular transmission.
2. Describe the endometrial changes that takes place during different phases of menstrual cycle. Briefly explain the tests of ovulation.
3. Name the sensations carried by the dorsal column tract. Trace the dorsal column tract.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Trace the visual pathway.
5. Functions of basal ganglia.
6. Describe stages of spermatogenesis.
7. Differences between UMN and LMN lesions.
8. Graves disease.
9. Define Hypoxia and briefly explain types of hypoxia.
10. Draw a neat labeled diagram of neuromuscular junction. What is myasthenia gravis.
11. Cystometrogram.
12. Functions of pancreatic juice.
13. Composition of gastric juice, and describe steps in secretion of gastric juice.
14. Cell mediated immunity.
15. Functions of platelets.

SHORT ANSWER (Answer any Ten)

10 X 3 = 30 Marks

16. Define arterial BP and its normal values.
17. Three functions of middle ear.
18. Tests for color vision.
19. Three hormones of calcium regulation.
20. Hemophilia.
21. Tidal volume and its normal value.
22. Define GFR and its normal value.
23. Three features of cerebellar dysfunction.
24. Define renal clearance and its normal value.
25. Define Anatomical deadspace. Give its normal value.
26. Neat labeled diagram of Lead II ECG.
27. List hormones secreted by anterior pituitary gland.

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