

Sr. No: 9196(S) _____

Roll No _____

**BACHELOR OF PHYSIOTHERAPY (BPT) - 1ST YEAR SUPPLEMENTARY
EXAMS. SEPT./OCT.- 2017**

[SUB: - ANATOMY; PAPER CODE: 305101]

Time: 03 Hrs.

Max. Marks: 80

Instructions:-

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Attempt Six (6) questions in all & Question no. 1 is compulsory. Students are required to attempt five questions from Question no. 2 to 8. Parts of question should be attempted in sequential order. Marks are indicated against each question.
4. Draw diagram wherever required.

- Q1. Describe the hip joint under the following headings: (5X3=15)**
- a) Type, articular surfaces and ligaments.
 - b) Movements possible at this joint and muscles producing these movements.
 - c) Blood supply and applied anatomy.
- Q2. Write in brief about: (5+4+4=13)**
- a) Sternoclavicular joint.
 - b) Sensory nerve supply of face.
 - c) Flexor retinaculum of wrist.
- Q3. Describe the origin, insertion, nerve supply, action and applied anatomy of the following muscles: (5+4+4=13)**
- a) Biceps Brachii
 - b) Sartorius
 - c) Deltoid
- Q4. Write briefly about the following: (5+4+4=13)**
- a) Posterior triangle of neck
 - b) Hamstring muscles
 - c) Bronchopulmonary segments
- Q5. Discuss the anatomical basis of the following: (5+4+4=13)**
- a) Foot Drop
 - b) Claw hand
 - c) Wrist drop
- Q6. Draw Labelled diagram to show: (4+5+4=13)**
- a) Formation & branches of brachial plexus
 - b) Blood supply of heart.
 - c) Microscopic structure of compact bone.

P.T.O.

Q7. Write short note on:

(5+4+4=13)

- a) Circle of Willis
- b) Supports of uterus
- c) Cubital fossa

Q8. Enumerate the cranial nerves in order brainstem. Write in detail about the course of Facial Nerve.

(13)

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**BACHELOR OF PHYSIOTHERAPY (BPT) - 1ST YEAR SUPPLEMENTARY
EXAMS. SEPT./OCT.- 2017**

[SUB: - PHYSIOLOGY; PAPER CODE: 03050102]

Time: 3 Hrs.

Max. Marks: 80

Instructions:-

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Attempt SIX (06) Questions in all, Question 1 is compulsory. Students are required to attempt FIVE (05) questions from Q2 to Q7. Marks are indicated against each question.
4. Draw diagram wherever required.

- Q1. Describe neuromuscular junction with the help of labelled diagram. Add a note on Myasthenia gravis. (10+5=15)**
- Q2. Write in short on:**
- a) Sensations carried by lateral spinothalamic tract (03)
 - b) Myxoedma & Cretinism (04)
 - c) Baroreceptors (03)
 - d) Hemoglobin (03)
- Q3. Write Function of:**
- a) Functions of lung (03)
 - b) Plasma Proteins (03)
 - c) Stomach (03)
 - d) Basal ganglia (04)
- Q4. Write in brief about:**
- a) Rh Incompatibility (03)
 - b) Transport across cell membrane (03)
 - c) Shock (04)
 - d) Blood pressure (03)
- Q5. Describe:**
- a) Static Lung Volumes and Capacities (03)
 - b) Stretch Reflex (03)
 - c) Glomerular filtration rate (04)
 - d) Cardiac output and factors affecting it. (03)
- Q6. Enlist the:**
- a) Anterior Pituitary hormones (03)
 - b) Cerebellar function tests (04)
 - c) Types of Hypoxia (03)
 - d) Maternal Changes in Pregnancy. (03)

Q7. Write on:

I) Cardiac cycle.

(07)

II) Differentiate between:-

a. Cell- mediated and Humoral Immunity

(03)

b. Diabetes Mellitus and Diabetes Insipidus.

(03)

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Sr. No: 9198(S)

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**BACHELOR OF PHYSIOTHERAPY (BPT) - 1ST YEAR SUPPLEMENTARY
EXAMS. SEPT./OCT.- 2017**

[SUB: - BIOCHEMISTRY; PAPER CODE: 03050103]

Time: 3 Hrs.

Max. Marks: 80

Instructions:-

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Attempt SIX (06) Questions in all, Question 1 is compulsory. Students are required to attempt FIVE (05) questions from Q2 to Q8. Marks are indicated against each question.
4. Draw diagram wherever required.

- Q1.** a) Describe the HMP pathway of carbohydrate metabolism. Comment on its biological importance. (7)
b) Describe structure and function of cell. (8)
- Q2. Write in short on:**
a) Regulation of blood Glucose (05)
b) Lipoproteins (04)
c) Metabolism during exercise (04)
- Q3.** a) Describe TCA Cycle and Comment on its biochemical importance. (06)
b) Describe the role of essential amino acids. (07)
- Q4. Comment on:**
a) Transamination (05)
b) Oxidative Phosphorylation (04)
c) Collagen (04)
- Q5. Describe in brief:**
a) Glycoproteins (04)
b) Osmotic pressure (04)
c) Bilirubin & its Biochemical role. (05)
- Q6. Describe briefly:**
a) Fat soluble vitamins (05)
b) Essential fatty acids (04)
c) Function of DNA (04)
- Q7. Briefly describe:**
a) Diagnostic significance of Enzymes. (5)
b) PH and buffers. (4)
c) Exergonic and Endergonic reactions (4)

Q8. Write short note on:

- a) Phospholipids (3)
- b) Balanced Diet (4)
- c) Deamination reactions (3)
- d) Ricketts (3)

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**BACHELOR OF PHYSIOTHERAPY (BPT) - 1ST YEAR SUPPLEMENTARY
EXAMS. SEPT./OCT.- 2017**

[SUB: - PSYCHOLOGY; PAPER CODE: 3050105]

Time: 1^{1/2} Hrs.

Max. Marks: 40

Instructions:-

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Attempt any FIVE (05) Questions. Parts of questions should be attempted in sequential order.
4. Draw diagram wherever required.

- Q1.** a) Define psychology and its structure. (04)
b) Describe the salient features of WAIS (04)
- Q2.** a) What are Psychological needs, describe any one in details (04)
b) Describe the stages of psychosexual developments as per Freud's theory. (04)
- Q3.** a) Discuss laws of learning by Thorndike (04)
b) List the advantages and disadvantages of whole Vs part method of learning. (04)
- Q4.** a) Explain the types of conflicts. (04)
b) Describe the qualities of a leader (04)
- Q5.** a) Describe rationalization as a defense mechanism (04)
b) Describe the psychological reactions of a patient getting treatment. (04)
- Q6.** a) Highlight the objectives of counselling with special reference to physiotherapy (04)
b) Psychotherapy (04)
- Q7.** a) Describe the specific needs of pediatric patients. (04)
b) Alcoholism and its psychological aspect (04)

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**BACHELOR OF PHYSIOTHERAPY (BPT) - 1ST YEAR SUPPLEMENTARY
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[SUB: - SOCIOLOGY; PAPER CODE: 3050106]

Time: 1^{1/2} Hrs.

Max. Marks: 40

Instructions:-

1. Write your Roll No. on the Question paper.
2. Candidate should ensure that they have been provided correct question paper. Complaints in this regard, if any, should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Attempt all the Questions. Marks are indicated against each question.
4. Draw diagram wherever required.

Q1. Describe how social planning in improvement of health and rehabilitation can be made use of a physiotherapist. (10)

Q2. Attempt (any two) of the following Questions. (2x10=20)

- a) Explain briefly Javenile delinquency.
- b) What are the relevant social factors in the health and illness?
- c) Describe the role of social planning in the improvement of health and rehabilitation.

Q3. Write short notes (any four) of the following. (10)

- a) Socialization
- b) Population Explosion
- c) Health Programme and Social Change
- d) Poverty and Unemployment.
- e) Role of social worker

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