

**BACHELOR OF PHYSIOTHERAPY (BPT) - 2<sup>ND</sup> YEAR SUPPLEMENTARY  
EXAMINATIONS, SEPT./OCT. - 2017  
(SUB:-BIOMECHANICS, PAPER CODE: 3050204)**

**TIME: 03:00 Hrs.****Max Marks:80****Instructions:-**

1. Write your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided with correct question paper. Complaints in this regard, if any should be made with 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. Question No.-1 is compulsory. Attempt any five questions out of remaining seven.
4. Draw the diagram wherever required.

- Q.1. Define posture and discuss in detail its deviations in the frontal, sagittal plane. Elaborate about the alignment in the sagittal plane Standing Posture? (3+6+6)
- Q.2. Write notes on
- a) Lumbopelvic Rhythm (6)
  - b) Stress Strain curve (7)
- Q.3. Define Joint and elaborate on classification of Joints along with the examples and diagram? (3+10)
- Q.4. Define Gait. Discuss in detail about phases of Gait and its determinants. (2+5+6)
- Q.5. Write notes on
- a) Structure of a Hip Joint? (7)
  - b) Discuss the structure and mechanics of ACL in knee kinematics. (6)
- Q.6. Discuss in detail about Prehension and precision. (7+6)
- Q.7. Write notes on
- a) Active and Passive Insufficiency. (6)
  - b) What adaptations occur in skeletal muscles with aging and immobilization? (3.5+3.5)
- Q.8. Write notes on
- a) Torque and pulley (6)
  - b) Coxa vara and valga (7)

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Sr. No: 9214(S)

Roll No \_\_\_\_\_

**BACHELOR OF PHYSIOTHERAPY (BPT) – 2<sup>nd</sup> YEAR SUPPLEMENTARY  
EXAMS; SEPT./OCT.- 2017**

**[SUB: - PSYCHOLOGY & SOCIOLOGY; PAPER CODE: 0305206]  
(OLD COURSE)**

**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. Question paper consists of two parts: Part-I and Part-II. Max marks for each part are 40 and USE SEPARATE ANSWER SHEET FOR EACH PART. Any mistake in this regard shall be at the risk and responsibility of the examinee and no complaint will be entertained after the exam.
4. Draw diagram wherever required.

**PART-I (PSYCHOLOGY)**

**(Attempt any three questions. Question No. 1 is compulsory. Attempt any two questions from (Q. No. 2 to 4)**

- Q1.** Answer the following in about 50 words. **(2X5=10)**
- a) Frustration
  - b) Leadership
  - c) Stress
  - d) Chronic pain
  - e) Leprosy
- Q2.** Define health psychology. What are the psychological reaction of a patient during death of a family member **(15)**
- Q3.** Define stress. Explain psychological reactions to stress in relation to health. **(15)**
- Q4.** Define emotion. What are the specific emotional needs of handicapped patients? **(15)**

**PART-II (SOCIOLOGY)**

**(Attempt any three questions. Question No. 1 is compulsory. Attempt any two questions from Q No. 2 to Q. No. 4)**

- Q1.** What is social change and discuss factors affecting social change . **(14)**
- Q2.** Write briefly on: **(6+7=13)**
- a) Juvenile Delinquency
  - b) Population Explosion.
- Q3.** Discuss the social problems of families in urban slums of metro cities. Suggest methods of social reforms. **(7+6=13)**
- Q4.** Write short notes on. **(6+7=13)**
- a) Social Norms and mores
  - b) Social Securities.

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Serial.No. 9211 (S)

Roll No.

**BACHELOR OF PHYSIOTHERAPY (BPT) - 2<sup>ND</sup> YEAR SUPPLEMENTARY  
EXAMINATIONS, SEPT./OCT. - 2017**

**(SUB:-EXERCISE THERAPY, PAPER CODE: 3050206)**

**TIME: 03:00 Hrs.**

**Max Marks:80**

**Instructions:-**

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

- Q.1. What do you understand by Joint Mobilization? Explain its Physiological effects, indication, contraindication in detail? (2+7+3+3)
- Q.2. Define Levers and its classification with their example in human body? (13)
- Q.3. Write notes on:  
a) Explain Balance Training in detail. (7)  
b) Physiological effects of Traction. (6)
- Q.4. Discuss in detail about the causes of following gait deviation  
a) Quadriceps gait (3)  
b) Hemiplegic gait (3)  
c) Trendelenberg gait (4)  
d) Foot drop (3)
- Q.5. Define Posture and its mechanism with diagram. Explain the etiology of poor posture? (2+6+5)
- Q.6. Write notes on:  
a) Fundamental positions (6)  
b) Therapeutic effects of Hydrotherapy (7)
- Q.7. Describe Relaxation and its Physiological effects in detail. Discuss the techniques of Relaxation. (2+5+6)
- Q.8. Write notes on:  
a) Group Therapy (7)  
b) Center of Gravity & Line of Gravity (6)

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