Time: 3.00 Hrs.   [Max. Marks: 100]

BIOMECHANICS
Q.P Code: B2030

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. List the joints of shoulder complex, explain the kinematics of gleno humeral joint

2. Describe the structure and function of wrist joint, add a note on arthrokinematics of wrist joint.

3. Define gait. Describe the kinematics of gait cycle.

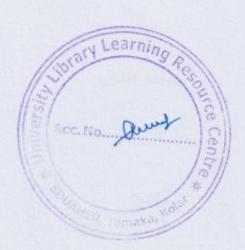**SHORT ESSAY (Answer any Ten)**   10X 5 = 50 Marks

4. Explain creep and stress relaxation and its application in connective tissues.

5. Define synovial joint and give its classifications with example.

6. Write the kinematics of tempero mandibular joint

7. Describe precision and its types.

8. Discuss the kinematics of cervical joint

9. Describe movements of rib cage during breathing.

10. Explain the kinetics and kinematics of elbow joint.

11. What is pronation and supination twist in ankle and foot complex.

12. Discuss Locking and unlocking mechanism of knee complex.

13. Discuss the temporal variables of gait.

14. Compare closed and open kinematic chain movements with examples

15. Give the indication and uses of parallel bars & crutches.

SHORT ANSWER (Answer any Ten)   10 X 3 = 30 Marks

16. Define scapula humeral rhythm

17. Define facet joint

18. Define ground reaction force and centre of pressure

19. Define palmar arches and its uses

20. Write 2 principles of goniometry

21. What are the features of optimalor ideal posture?

22. What is second class lever.

23. Define active insufficiency.

24. List the factors that affect muscle function

25. Define torque & moment arm of force

26. Define total muscle tension

27. Define coupled motion

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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)
Bachelor of Physiotherapy (CBCS)
First Year Semester-II March 2022 Examination.

Time: 2.30 Hrs.   [Max. Marks: 80]

Psychology and Sociology

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

Section - A
Psychology (40 marks)
QP Code: B2055
(Use Separate answer booklet for Section A & B)

LONG ESSAY   1X10=10Marks
1. Write the stages of human development? Describe any two stages?

SHORT ESSAY (Answer any Three)   3X5=15 Marks
2. What are the methods of Psychology? Explain observation method?
3. Define perception. What are the different disorders of perception?
4. Define motivation and describe the types of motivation.
5. Describe different methods of problem solving.

SHORT ANSWER (Answer any Five)   5x3=15 Marks
6. Name the theories of learning
7. What is leadership? Name the types of leadership?
8. Write about avoidance- avoidance conflicts?
9. Name 3 tests of intelligence
10. Meaning of Psychology? And name the methods of psychology?
11. Write the Psychological and Physiological changes of middle age?

Section – B
Sociology (40 Marks)
QP Code: B2056
(Use separate answer booklet for section B)

Long Essay   10x1=10 Marks
1. Explain the changing functions of the family?

Short Essay (Answer any three)   5X3=15 Marks
2. State the differences between primary and secondary group.
3. Explain the health hazards of rural community.
4. Explain the causes and effects of juvenile delinquency
5. Explain human adaptation to social change.

Short Answers (Answer any 5)   3x5=15 Marks
6. Relationship between sociology and anthropology
7. Cultural lag
8. Polyandry
9. Stags of socialization
10. Causes for beggary
11. Methods used in the study of sociology

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