

First Year BPT Degree Supplementary Examinations June 2025**Paper III – Biomechanics and Kinesiology
(2016 Scheme)****Time: 3 hrs****Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays**(2x15=30)**

1. Discuss in detail the prehension activities of the Hand.
2. Explain three orders of Levers with examples. Add a note on mechanical advantage.

Short Essays**(4x10=40)**

3. Locking and unlocking mechanism of knee joint.
4. Describe about Pelvic tilts.
5. Write in detail the structure and function of Intervertebral Disc.
6. JOINT CLASSIFICATION.

Short Answers**(10x3=30)**

7. What is counter Nutation.
8. Functions of knee menisci.
9. What is patellar plica.
10. Anteversion and Retroversion.
11. Ligamentum teres.
12. Concave – Convex rule.
13. SAID Principle.
14. Pes cavus and Pes Planus.
15. Ataxic gait.
16. Hookes law.