R8166	Sub. Code
	721401

B.P.Ed. DEGREE EXAMINATION, APRIL – 2023

Fourth Semester

Physical Education

MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION

(CBCS – 2019 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer any **ten** questions.

All questions carry equal marks.

1. Define the term evaluation.
2. List down different types of tests.
3. What do you mean by norms?
4. What is the purpose of objectivity?
5. Define motor ability.
6. List down test items of the Oregon motor fitness test.
7. Explain the meaning of measuring.
8. Describe the meaning of a range of motion.
9. Define body composition.
10. Define motor fitness.

11. List down and explain one test variable of the Schmithal hockey test.

12. Explain skinfold caliber.

Part B $(5 \times 5 = 25)$

Answer any **five** questions.

All questions carry equal marks.

13. Write down the need and importance of measurement and evaluation.

14. Discuss the classification of tests.

15. Write down the duties during and after testing.

16. Describe one motor fitness test.

17. Write the method of administration of the test.

18. Define norms and how can you construct norms.

19. Explain the AAHPER youth fitness test.

20. How to measure height and circumference.

Part C $(3 \times 10 = 30)$

Answer any **three** questions.

All questions carry equal marks.

21. Describe the criteria for the selection of a test.

22. Describe the scientific authenticity of a test.

23. Explain National Physical Fitness Test and how to draw the results.

24. What is the purpose of a skill test? Explain any one skill test for basketball and volleyball.

25. Describe the procedure for evaluating posture.

R8167

Sub. Code
721402

B.P.Ed. DEGREE EXAMINATION, APRIL – 2023

Fourth Semester

KINESIOLOGY AND BIOMECHANICS

(CBCS – 2019 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer any **ten** questions.

1. Define plantar flexion.
2. What is the angle of pull?
3. Explain TIT law of motion.
4. Define centre of gravity.
5. Explain two movements on the Frontal plane.
6. List down four muscles of lower limbs.
7. What is reciprocal innervations?
8. Explain neutral position with example.
9. Define momentum.
10. Explain angular velocity.
11. List down the four fundamental positions.
12. Explain acceleration.

Part B (5 × 5 = 25)

Answer any **five** questions.

13. Write down the need and importance of studying biomechanics.

14. Define joint and how are they classification.

15. Describe the functional classification of skeletal muscle.

16. Explain the types of equilibrium and explain the principles of stability.

17. Explain speed, velocity, and acceleration.

18. Explain axes and planes with special reference to movement.

19. Write down the causes of postural deformities.

20. Discuss the Biomechanical characteristics of Walking-Gait.

Part C (3 × 10 = 30)

Answer any **three** questions.

21. Draw a neat structure of the knee joint and explain the movements and list down the muscles crossing the knee joint.

22. Define Joint. Write down the types of joints with suitable examples and diagrams.

23. List down the types of muscle contraction. Explain one exercise to strengthen any two muscles.

24. Define Lever. Explain the types with mechanical application from the sports field.

25. Mechanically analyze any one technique event of your choice.

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R8168	Sub. Code
	721403

B.P.Ed. DEGREE EXAMINATION, APRIL – 2023

Fourth Semester

Physical Education

RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

(CBCS – 2019 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer any **ten** questions.
All questions carry equal marks.

1. What do you mean by action research.
2. Explain the meaning of the hypothesis.
3. Define raw data.
4. What do you mean by philosophical research?
5. Describe the meaning of the secondary source.
6. Explain the importance of testing objectivity.
7. Write down the formula for mean and mode.
8. Briefly explain the normal curve.
9. What is the meaning pf probability?
10. List down different types of graphical representations.
11. Define statistics.
12. Explain the meaning of range.

Part B (5 × 5 = 25)

Answer any **five** questions.
All questions carry equal marks

13. Explain the types of hypotheses with one title.
14. Discuss the characteristics of research
15. Describe the qualities of a good researcher
16. What are the different types of interviews?
17. Briefly explain the historical research.
18. Write down the formula for calculating quartile deviation and central tendency.
19. Find the median,

x	5	90	67	45	32	10
f	2	4	6	8	10	12

20. Write down the properties of the normal curve.

Part C (3 × 10 = 30)

Answer any **three** questions.

21. Define Research and write down the needs of research in the field of physical education.
22. Explain historical research and collection of data.
23. Describe the questionnaire and construction of the questionnaire.
24. Explain different types of statistics.
25. Calculate measures of central tendency,

X	0-9	10-19	20-29	30-39	40-49	50-59	60-69
F	6	11	17	22	13	9	7

R8169	Sub. Code
	721504

B.P.Ed. DEGREE EXAMINATION, APRIL – 2023

Fourth Semester

Physical Education

THEORIES OF SPORTS AND GAMES, OFFICIATING AND COACHING

(CBCS – 2019 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer any **ten** questions.
All questions carry equal marks.

1. Who is called as a player and a spectators?
2. Write down the concepts of officiating.
3. Define competition.
4. Describe the position of officials in basketball.
5. Define: 'Libero' in the game of Volleyball.
6. Describe the role of team manager.
7. What are the eligibility rules of inter- university?
8. Explain two official's signals in cricket.
9. Write a brief history of handball.
10. Draw a neat diagram of badminton court with all the specification.
11. List down the events in gymnastics for men.
12. Write down the duration of the game kho-kho.

Part B (5 × 5 = 25)

Answer any **five** questions.
All questions carry equal marks.

13. Discuss the measures for improving the standards of coaching.

14. Explain the meaning of psychology of competition.

15. Explain the officials required for conducting an athletic meet.

16. Write down the history and development of football in India.

17. Draw a neat diagram of football field with all the markings and measurements.

18. Discuss the principles of officiating.

19. Mention the colour and the specification of hurdles marking and hurdle with a diagram

20. Write down about the tie- breaking system in high jump.

Part C (3 × 10 = 30)

Answer any **three** questions.
All questions carry equal marks

21. Write down the qualities and qualifications of a coach.

22. Name the officials and explain the pre, during and post duties of officials from your game of choice.

23. Explain the mechanism of officiating from game of your choice.

24. List down the officials required for a sports meet and detail the duties of Start Coordinator, Starter, Re-caller and Starters Assistants

25. Write a note on
(a) Dues and penalties in carom

(b) The goal area in hockey