

R6935

Sub. Code

811201

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022

Second Semester

Physical Education

**APPLIED STATISTICS IN PHYSICAL EDUCATION AND
SPORTS**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Section A

(10 × 2 = 20)

Answer any **ten** questions.

1. Define Statistics.
2. What is sampling?
3. What is descriptive statistic?
4. What is a Qualitative variable?
5. Define median.
6. Write range formula.
7. What is measure of variability?
8. Write the coefficient correlation formula.
9. Define quartile deviation.
10. What is the coefficient of correlation?
11. What are the types of regression?
12. What is Z- ratio?

Section B

(5 × 5 = 25)

Answer any **five** questions.

- 13. Explain the advantages and disadvantages of sampling.
- 14. Explain the types of descriptive statistics.
- 15. Calculate the arithmetic mean median, mode.

S. No.	1	2	3	4	5	6	7	8	9	10
Value	15	13	14	19	10	24	23	19	32	19

- 16. Explain the types of correlation?
- 17. Find the rank order correlation?

x	21	36	42	37	25
y	47	40	37	42	43

- 18. Relationship between correlation and regression?
- 19. What are the limitations of mean?
- 20. Explain the scope of statistics?

Section C

(3 × 10 = 30)

Answer any **three** questions.

- 21. Explain Quartile Deviation? What are the merits and demerits?
- 22. Find out Pearson's coefficient of correlation

x	10	12	18	24	23	27
y	13	18	12	25	30	10

23. Calculate Mean, Median, Mode of the following data

CI	0-10	10-20	20-30	30-40	40-50	50-60
F	12	14	16	28	10	8

24. Define statistics? Function and limitations of statistics?

25. Calculate Harmonic mean.

CI	0-4	4-8	8-12	12-16	16-20	20-24
Frequency	3	4	6	5	5	8

R6936

Sub. Code

811202

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022

Second Semester

Physical Education

SPORTS BIOMECHANICS AND KINESIOLOGY

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Section A

(10 × 2 = 20)

Answer any **ten** questions.

1. Define the term bio mechanics.
2. Write the meaning of axis and planes.
3. What is lever?
4. What are the different types of equilibrium?
5. What is force?
6. Write the meaning of Kinetic energy.
7. Define the Law of Inertia.
8. What are the muscles involved in throwing?

9. Define Spin.
10. Define kinesiology.
11. Write the location of Rectus Femoris in human body.
12. Write any two motion involved in 100m sprint.

Section B

(5 × 5 = 25)

Answer any **five** questions.

13. Illustrate the importance of Bio mechanics in sports.
14. Explain dynamic equilibrium.
15. Explain the origin and insertion of Trapezius muscles with diagram.
16. Describe the different types of movement.
17. Explain the work, power and energy.
18. Which muscles used in jumping explain it?
19. Explain the principles of stability and uses in sports.
20. What is friction? Advantages and disadvantages in field of sports?

Section C

(3 × 10 = 30)

Answer any **three** questions.

21. Newton's laws of motion and their application in the field of sports.
 22. Explain the principles related to law of inertia and acceleration.
 23. Define Motion and explain the types of Motion.
 24. Define equilibrium and explain the guiding principles of equilibrium.
 25. Discuss the biomechanical analysis of running gait versus walking.
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R6937

Sub. Code

811203

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022

Second Semester

ATHLETIC CARE AND REHABILITATION

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Section A

(10 × 2 = 20)

Answer any **ten** questions.

1. Write about Lordosis.
2. Define Stretching.
3. Define Massage.
4. Write about beating massage.
5. Define passive exercises.
6. Write about value of good posture.
7. Write two exercises to reduce sprain and strain.
8. Write about flat foot.
9. Write about knock knee.
10. What is message Manipulation?
11. What are the types of posture?
12. What is pertrissage message?

Section B

(5 × 5 = 25)

Answer any **five** questions.

13. Explain the classification of the manipulation used message.
14. Explain the principles to apply Infrared Rays.
15. Write short notes on:
 - (a) Resistive exercises for rehabilitation
 - (b) Stretching exercises for rehabilitation
16. What is the difference between effleurage and petrissage message?
17. Detail about PNF stretching.
18. Explain about hydrotherapy.
19. How to prevent the sports injuries? Explain it.
20. Explain the psychological effect of massage.

Section C

(3 × 10 = 30)

Answer any **three** questions.

21. Explain in detail about good and bad posture.
22. Explain the classification of the manipulation used message.

23. Explain the care and treatment of exposed injuries in sports.
 24. Explain the causes and Treatment for Round Shoulders and bow leg.
 25. Explain the principles and techniques of strapping and Bandages.
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R6938

Sub. Code

811504

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022.

Second Semester

Physical Education

**SPORTS MANAGEMENT AND CURRICULUM
DESIGNS 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. Explain personal policies in management.
2. Describe objectives of personal management.
3. Discuss the importance of competitive sports programmes.
4. Explain organisation.
5. Explain facilities for library.
6. What is called as planning?
7. Explain the meaning of office management.
8. What is called as competition?
9. Explain the essential skills of sports management.

10. Write the meaning of daily periodical.
11. Explain the purpose of public playground.
12. Write down the importance of curriculum.

Part B

(5 × 5 = 25)

Answer **any five** questions.

All questions carry equal marks.

13. Briefly explain the special resources for the library.
14. What are the guidelines for purchase of equipment and supply?
15. Explain the sources of curriculum material,
16. Describe the scope and purpose of sports management.
17. Write down a note on care and maintenance of sports equipment
18. What do principles of public relation
19. What are the different theories of curriculum development/Explain any one theory in detail.
20. Write down the need and importance of curriculum design.

Part C

(3 × 10 = 30)

Answer any **three** questions.

All questions carry equal marks.

21. Write down the principles of planning and discuss the responsibilities of physical education teacher.

22. What are the principles of and importance of programme planning in physical education?
 23. Describe the different types of curriculum design.
 24. Discuss the steps in curriculum construction
 25. What do you understand by types of facilities and infrastructure in a school?
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R6939

Sub. Code

811401

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022

Fourth Semester

Physical Education

**INFORMATION AND COMMUNICATION
TECHNOLOGY (ICT) IN PHYSICAL EDUCATION**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **any ten** questions.

1. Define Communication.
2. Brief – Encodes and Decodes.
3. Define Software.
4. List down the input devices in computer.
5. What is the purpose of MS Access?
6. Define MS Excel.
7. What is integration of ICT in Physical Education?
8. Brief – Constructivism.
9. Define – 'e' learning.
10. Brief – Virtual Training.
11. Abbreviate – MOOC and Swayam.
12. What is Search Engine?

Part B

(5 × 5 = 25)

Answer **any five** questions.

13. Write about the communication cycle.
14. Describe the barriers for effective classroom communication.
15. Differentiate hardware and software.
16. Write down the characteristics of computer.
17. How will you create a database by using MS Excel list down the procedures?
18. Define PBL and briefly explain it.
19. What is plagiarism and how one can avoid it?
20. Write on your own about online courses, through which platform one can do online course.

Part C

(3 × 10 = 30)

Answer any **three** questions.

21. Explain in detail about the Research and Administration Challenges in Integrating ICT in PE.
22. Enumerate the web browsers and search engines and explain their uses in the field of physical education.
23. Write in detail about the uses of publisher and write the steps to prepare a brochure.
24. Explain the following :
 - (a) Co - operative learning.
 - (b) Collaborative learning.
25. Describe the need and importance of 'e' learning and also explain about "Swayam".

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Sub. Code

811402

M.P.Ed. DEGREE EXAMINATION, APRIL – 2022

Fourth Semester

Physical Education

SPORTS PSYCHOLOGY

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer any **ten** questions.

1. Define – Personality.
2. Write the definition of Sports Psychology.
3. Define – Anxiety.
4. What is Self-concept?
5. Write the meaning of aggression.
6. Define – Leadership.
7. Write notes on individual sport.
8. What is Sports Sociology?
9. What is group cohesion?
10. What is Stress?
11. Define – Self confidence.
12. What is Self-efficacy?

Part B

(5 × 5 = 25)

Answer any **five** questions.

13. Write the need and importance of Sports Psychology.
14. Explain what are the factors affecting Perception.
15. Define - Motivation and explain its types.
16. Advantages and disadvantages on Sports performance – Discuss.
17. Discuss gender inequalities in sports.
18. Effect of fans and spectators support on sports performance – Discuss.
19. Describe national integration through sports.
20. Imagery technique and its types – Explain.

Part C

(3 × 10 = 30)

Answer any **three** questions.

21. Explain effect of Personality on sports performance.
22. Discuss competitive anxiety and sports performance.
23. Explain Leadership and its types in relation to sports performance.
24. Discuss Women is Sports participation.
25. Describe designing, implementing, importance and common problems in Psychological skill training.

R6941

Sub. Code

811403

M.P.Ed. DEGREE EXAMINATION, APRIL 2022

Fourth Semester

Physical Education

**EDUCATION TECHNOLOGY IN PHYSICAL
EDUCATION AND SPORTS**

(CBCS – 2019 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer any **ten** questions.

1. What is Educational Technology?
2. Name the list of some computer applications.
3. List out the name of online application to conduct classes.
4. Name the types of communication modes.
5. Define — content analysis.
6. What are the different types of self learning materials?
7. What is instructional design in Teaching?
8. What is Video Conferencing?
9. What is Broadcast Site?
10. What is the use of hypertext?
11. What is optical fiber technology?
12. Write the uses of Television.

Part B

(5 × 5 = 25)

Answer any **five** questions.

13. Need and importance of technology in education.
14. Write the principles of programmed learning.
15. Explain effective communication and its process.
16. Explain instructional design for competency based learning.
17. Explain the uses of television and CCTV technology in instruction.
18. Explain e-learning tools and technology.
19. Write the importance of audio-visual media technology.
20. Describe Classroom teaching through video conference.

Part C

(3 × 10 = 30)

Answer any **three** questions.

21. Technology integration in teaching and learning – Discuss.
22. Describe effective communication in Physical Education.
23. Explain instructional design in training and developmental process.
24. Teaching through audio-visual aids in physical education – Discuss.
25. Explain recent trends of research in Educational technology and its future.