

R1218

Sub. Code

811201

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Second Semester

Physical Education

**APPLIED STATISTICS IN PHYSICAL EDUCATION AND
SPORTS**

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. ——— is the science which deals with the collection, analysis and interpretation of numerical data. (CO1, K4)
(a) Research (b) Statistics
(c) Methodology (d) Physical Education

2. The characteristics of two or more groups are contrasted is called as. (CO1, K4)
(a) Comparative statistics
(b) Relationship statistics
(c) Predictive statistics
(d) Descriptive statistics

3. The most frequently occurring score of a group is known as _____ (CO2, K4)
- (a) Mean (b) Median
(c) Mode (d) Standard deviation
4. Formula for mean from ungrouped data is _____ (CO2, K4)
- (a) $M = N + 1 / 2$ score
(b) $M = \Sigma X / N$
(c) $M = N + 1 / 4$
(d) $M = N(n + 1) / 2$
5. What is the formula for quartile deviation? (CO3, K4)
- (a) $(Q4 - Q1) / 2$ (b) $(Q3 - Q2) / 4$
(c) $(Q3 - Q1) / 2$ (d) $(Q4 - Q1)$
6. The formula for 6 sigma scale is _____ (CO3, K4)
- (a) z-scale
(b) 3σ - below and above the mean
(c) 3.5σ below and above the mean
(d) both (a) and (b)
7. Histogram is also called as the _____ (CO4, K5)
- (a) Column diagram
(b) image figure
(c) Many angled figure
(d) none of these

8. More peaked than normal curve is known as _____ (CO4, K5)
- (a) Leptokurtic (b) Mesokurtic
(c) Platty kurtic (d) Normal curve
9. Formula for t- test is _____ (CO5, K6)
- (a) $\sigma_1 + \sigma_2$ (b) $m_2 - m_1$
(c) $m_1 - m_{11}$ (d) $Dm / \sigma Dm$
10. The formula for Spearman's Rank order correlation is —
_____ (CO5, K6)
- (a) $1 - 6 \sum R^2 / N(N^2 - 1)$
(b) $1 - 6 \sum D^2 / N(N^2 - 1)$
(c) $1 + 6 \sum R^2 / N(N^2 - 1)$
(d) both (a) and (b)

Part B (5 × 5 = 25)

Answer **all** the following questions not more than 500 words each.

11. (a) Explain the types of variables. (CO1, K4)
- Or
- (b) Describe the various types of statistical process. (CO1, K4)
12. (a) Express the meaning and definition of various measures of central tendencies. (CO2, K4)

Or

- (b) Calculate the measures of central tendency for the given data. (CO2, K4)

3,6,7,23,12,14,15,21,5,7,18

13. (a) Describe the meaning of all the measures of dispersions. (CO3, K4)

Or

- (b) Compute the Quartile Deviation for the given scores. (CO3, K4)

59,65,68,70,73,75,80,83,87,92

14. (a) Discuss about the types of Kurtosis. (CO4, K5)

Or

- (b) Describe the frequency polygon with suitable example. (CO4, K5)

15. (a) Compile all the formulas of dependent 't' test. (CO5, K6)

Or

- (b) Write short notes on correlation. (CO5, K6)

Part C (5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain the need and importance of statistics in physical education. (CO1, K4)

Or

- (b) Explain the terms of population, sample and Data. (CO1, K4)

17. (a) Find out the median from the given grouped data. (CO2, K4)

SI	10-20	20-30	30-40	40-50	50-60
f	2	3	4	5	6

SI	60-70	70-80	80-90	90-100
f	8	3	2	1

Or

- (b) Explain the construction of frequency table with illustration. (CO2, K4)

18. (a) Calculate the Quartile Deviation for the given data. (CO3, K4)

SI	160-169	150-159	140-149	130-139	120-129
f	1	5	8	9	10

SI	110-119	100-109	90-99	80-89	70-79	60-69
f	15	13	7	4	2	1

Or

- (b) Describe the percentile and deciles. (CO3, K4)

19. (a) Prepare a bar diagram with the suitable example of your choice. (CO4, K5)

Or

- (b) Explain the properties of normal curve. (CO4, K5)

20. (a) Compute the independent “t” test for the given data.
(CO5, K6)

X	3	10	11	4	6	13
Y	4	7	9	1	4	5

Or

- (b) Describe the need, importance and purpose of One-way Analysis of variance.
(CO5, K6)
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R1219

Sub. Code

811202

M.P.Ed. DEGREE EXAMINATION, APRIL 2024

Second Semester

Physical Education

SPORTS BIOMECHANICS AND KINESIOLOGY

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. The study of Kinesiology is called_____ (CO1, K4)
(a) Kinematics (b) Kinetology
(c) Kinesthesia (d) Kineanthropology
2. The study of motion of bodies which is not respect to kinematics is _____ (CO1, K4)
(a) Displacement (b) Time
(c) Speed (d) Torque
3. How many types of motion is there _____ (CO2, K4)
(a) Four (b) Five
(c) Six (d) Three
4. A normal force is always perpendicular to the contact surface between systems is called _____ (CO2, K4)
(a) Flexion (b) Diversion
(c) Friction (d) Pressure

5. When an object is thrown, hit or horizontal motion is called? (CO3, K4)
- (a) Non-projectile motion
 - (b) Projectile motion
 - (c) Horizontal motion
 - (d) Vertical motion
6. Which example is not comes under 1st class lever? (CO3, K4)
- (a) Scissors
 - (b) A crow bar
 - (c) Sew-saw
 - (d) Bow and arrow
7. Category of muscles in human body_____ (CO4, K5)
- (a) Three
 - (b) Four
 - (c) Two
 - (d) Five
8. A hip flexor and a knee extensor is _____. (CO4, K5)
- (a) Trapezius
 - (b) Seratus
 - (c) Rectus femoris
 - (d) Sartorius
9. In high jump, which kind of lever is used? (CO5, K6)
- (a) 1st class lever
 - (b) 2nd class lever
 - (c) 3rd class lever
 - (d) None of the above
10. The numerical assessment of movement parameters is known as _____. (CO5, K6)
- (a) Predictive Analysis
 - (b) Muscular Analysis
 - (c) Quantitative Analysis
 - (d) Qualitative Analysis

Part B

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Classify the components of kinematics and kinetics. (CO1, K4)

Or

- (b) Differentiate centre of gravity and line gravity with examples. (CO1, K4)

12. (a) Describe any two kind of motion with suitable example. (CO2, K4)

Or

- (b) Elucidate Newton second law with suitable sports example. (CO2, K4)

13. (a) Mention the importance of projectile motion during throw events. (CO3, K4)

Or

- (b) Discuss about the II class lever with suitable sports example. (CO3, K4)

14. (a) Write the insertion, origin and action of the Gastrocnemius muscle. (CO4, K5)

Or

- (b) Write the origin, insertion and action of the biceps muscle. (CO4, K5)

15. (a) Compare qualitative and quantitative analysis in biomechanics. (CO5, K6)

Or

- (b) List out the mechanical principles of football kicking and heading skills. (CO5, K6)

Part C

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain the Biomechanics in physical education.
(CO1, K4)

Or

- (b) Explain the needs and importance of biomechanics and Kinesiology in present Era.
(CO1, K4)

17. (a) List out the types of motion and explain with suitable examples.
(CO2, K4)

Or

- (b) What is force? And explain the source of force with various examples in sports.
(CO2, K4)

18. (a) Analysis of classification of levers with appropriate example.
(CO3, K4)

Or

- (b) What is lever, write down the mechanical advantage and their application of lever in sports.
(CO3, K4)

19. (a) Mention the any two muscle action and write down the origin, insertion and action of that muscle.
(CO4, K5)

Or

- (b) Discuss about the role of bio mechanist and kinesiologist to enhance sports performance.
(CO4, K5)

20. (a) Classify the types and methods of analysis and explain it.
(CO5, K6)

Or

- (b) Discuss the importance of movement analysis in the field of kinesiology.
(CO5, K6)

R1220

Sub. Code

811203

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Second Semester

Physical Education

ATHLETIC CARE AND REHABILITATION

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions
by choosing the correct option.

1. Poor posture may occur due to defects in _____ such as stiffness or immobilization of that part. (CO1, K4)
(a) Muscles (b) Joint
(c) Bones (d) Skin
2. Kyphosis is the _____ curvature of the spine. (CO1, K4)
(a) Centre (b) Posterior
(c) Lateral (d) Round spin
3. What is the temperature range typically used for warm water hydrotherapy? (CO2, K4)
(a) 40-50 degrees Celsius
(b) 60-70 degrees Celsius
(c) 30-40 degrees Celsius
(d) 80-90 degrees Celsius

4. The systematic manipulation of body tissue is known as _____ (CO2, K4)
- (a) Reflexology (b) Acupuncture
(c) Massage (d) Meditation
5. How many types of ultra sound therapy _____ (CO3, K4)
- (a) 2 (b) 5
(c) 3 (d) 1
6. Duration of Infra-red for acute inflammation is _____ (CO3, K4)
- (a) 20 to 30 min (b) 10 to 15 min
(c) 5 to 10 min (d) 30 to 45 min
7. The even distribution of force through the body is known as _____ (CO4, K5)
- (a) Flexibility (b) Alignment
(c) Ergonomics (d) Coordination
8. What is the term for even distribution of weight on both feet in the wall posture test? (CO4, K5)
- (a) Alignment (b) Flexibility
(c) Coordination (d) Balance
9. The expansion of PNF is _____ . (CO5, K6)
- (a) Proprioceptive Neuromuscular Facilitation
(b) Perfect Nerve Function
(c) Prograded Nerve Function
(d) Perception Neuron Function

Part C

(5 × 8 = 40)

Answer **all** the questions not more than 1,000 words each.

16. (a) Explain the Causes for deviations and treatment including exercises. (CO1, K4)

Or

- (b) Explain the Normal curve of the spine and its utility. (CO1, K4)

17. (a) Discuss about the physiological and psychological effect of massage. (CO2, K4)

Or

- (b) Describe about the Contra indication of Massage. (CO2, K4)

18. (a) Explain about the Principles of prevention of Sports injuries. (CO3, K4)

Or

- (b) Enumerate the procedure of five different of cryotherapy treatment. (CO3, K4)

19. (a) Explain about the Values of good posture. (CO4, K5)

Or

- (b) List down the causes and drawbacks of bad posture and explain it. (CO4, K5)

20. (a) Prepare a chart for Resisted exercise for Rehabilitation. (CO5, K6)

Or

- (b) Explain the various PNF techniques and principles. (CO5, K6)

R1221

Sub. Code

811503

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Second Semester

Physical Education

**Elective — SPORTS MANAGEMENT AND
CURRICULUM DESIGN IN PHYSICAL EDUCATION**

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. Management deals with _____ (CO1, K4)
 - (a) Internal environment
 - (b) External environment
 - (c) Both internal and external environment
 - (d) None of the above
2. What is the purpose of a sports marketing plan?(CO1, K4)
 - (a) To increase ticket sales
 - (b) To build brand awareness
 - (c) To attract sponsorships
 - (d) All of the above

3. What is the primary goal of a competitive sports program? (CO2, K4)
- (a) Winning
 - (b) Physical fitness
 - (c) Skill development
 - (d) Socialization
4. Which is a step involved in programme development management? (CO2, K4)
- (a) Promotion
 - (b) Monitoring and evaluation
 - (c) Random implementation
 - (d) Ignoring stakeholder needs
5. What is the purpose of using safety equipment in sports and physical activities? (CO3, K4)
- (a) Enhance performance
 - (b) Prevent injuries
 - (c) Improve aesthetics
 - (d) Increase speed
6. Which of the following is a common tool used in sports public relations to communicate with the media and the public? (CO3, K4)
- (a) Spreadsheet software
 - (b) No herbal communication
 - (c) Social media
 - (d) GPS devices

7. Curriculum is _____ (CO4, K5)
- (a) Course of study (b) Instruction
(c) Celebration (d) Leisure time
8. Which of the following is not a component of the curriculum? (CO4, K5)
- (a) Approach political party
(b) Contents
(c) Objectives
(d) Evaluation
9. What role do textbooks and instructional materials play in curriculum development? (CO5, K6)
- (a) Secondary source
(b) Primary source
(c) Tertiary source
(d) Quaternary sources
10. What is the primary purpose of curriculum research? (CO5, K6)
- (a) To create textbooks
(b) To develop standardized tests
(c) To enhance teaching and learning
(d) To enforce educational policies

Part B

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Write short notes on importance of sports management. (CO1, K4)

Or

- (b) What is the role of personal manager in organization? (CO1, K4)

12. (a) Write the meaning and definition of Personal Development. (CO2, K4)

Or

- (b) How many steps are involved in programme development? (CO2, K4)

13. (a) Write about the need and importance of equipment. (CO3, K4)

Or

- (b) Describe the importance of public relations in media. (CO3, K4)

14. (a) Mention the various types of curriculum development. (CO4, K5)

Or

- (b) What is curriculum framework? (CO4, K5)

15. (a) Write a short notes on curriculum research. (CO5, K6)

Or

- (b) Describe the best sources in curriculum materials. (CO5, K6)

Part C

(5 × 8 = 40)

Answer **all** questions not more than 1,000 words each.

16. (a) List down the basic principles and explain the procedures of sports management. (CO1, K4)

Or

- (b) Explain the recruitment and selection in sports personal. (CO1, K4)

17. (a) Elaborate the management faced problem in program development. (CO2, K4)

Or

- (b) What are the benefits of competitive sports program in schools and colleges? (CO2, K4)

18. (a) Give a brief account of guidelines for the selection, purchase and supplies of equipment. (CO3, K4)

Or

- (b) Explain the principles of public relation. (CO3, K4)

19. (a) Discuss about the theories of curriculum development. (CO4, K5)

Or

- (b) Explain the need and importance of a curriculum framework in Physical Education. (CO4, K5)

20. (a) Explain the methods and evaluation of curriculum.
(CO5, K6)

Or

(b) List down the objective and importance of curriculum research.
(CO5, K6)

R1222

Sub. Code

811401

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Fourth Semester

Physical Education

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

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. A small, fast memory located between the CPU and main memory is known as _____ (CO1, K4)
(a) ROM (b) Cache Memory
(c) Virtual Memory (d) Flash Memory
2. The basic unit of digital information in computing is _____ (CO1, K4)
(a) Bit (b) Byte
(c) Pixel (d) Megabyte
3. An example of an input device is a _____, which allows users to enter data and commands. (CO2, K4)
(a) Mouse (b) Printer
(c) Keyboard (d) Monitor
4. Google Chrome and Mozilla Firefox are examples of _____ (CO2, K4)
(a) Operating Systems
(b) Web browsers
(c) Search engines
(d) Antivirus Software

5. In Physical Education, _____ is frequently utilized in crafting newsletters and brochures to effectively convey information. (CO3, K4)
- (a) Interactive whiteboards
 - (b) Fitness trackers
 - (c) Desktop publishing software
 - (d) Virtual reality simulations
6. _____ software is a computer program that can capture, display, and manipulate data arranged in rows and columns. (CO3, K4)
- (a) Word processor
 - (b) Database
 - (c) Spreadsheet
 - (d) Graphics editor
7. In _____ learning, students engage in joint intellectual efforts using ICT, emphasizing active participation, discussion, and knowledge sharing. (CO4, K5)
- (a) Competitive
 - (b) Co-operative
 - (c) Collaborative
 - (d) Individual
8. _____ is an approach that involves students in solving real-world problems through the use of ICT tools and resources. (CO4, K5)
- (a) Critical thinking
 - (b) Project-Based Learning
 - (c) Multimedia presentations
 - (d) Gamification
9. Swayam is an initiative in India that offers _____ courses to learners across the country. (CO5, K6)
- (a) Localized
 - (b) Blended
 - (c) Massive Open Online
 - (d) Vocational

10. _____ element is crucial for effective online education and provides diverse and engaging materials in e-learning. (CO5, K6)

- (a) Assessments (b) Forums
(c) Multimedia (d) Textbooks

Part B (5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) What are the elements of communication and classroom interaction? (CO1, K4)

Or

(b) What is need of information and communication technology (ICT) for Physical Education? (CO1, K4)

12. (a) What is computer memory, and why is it essential in a computer system? (CO2, K4)

Or

(b) Differentiate between input and output devices, providing examples of each. (CO2, K4)

13. (a) What are the main features of Microsoft Word? (CO3, K4)

Or

(b) How is Microsoft PowerPoint utilized in creating presentation slides? (CO3, K4)

14. (a) What is the significance of ICT in the teaching-learning process? (CO4, K5)

Or

(b) Why is plagiarism checking important in the academic setting? (CO4, K5)

15. (a) Define e-learning and web-based learning. (CO5, K6)

Or

(b) Describe the process of assignment preparation in e-learning. (CO5, K6)

Part C

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) What is classroom communication? Explain the barriers of communication. (CO1, K4)

Or

- (b) Concept and importance of ICT in the field of physical Education–Explain. (CO1, K4)

17. (a) Discuss the importance of cyber security in addressing legal and ethical concerns in the use of computers and technology. (CO1, K4)

Or

- (b) What is computer software? And how does it complement computer hardware? (CO1, K4)

18. (a) Explain the role of Microsoft Publisher in creating newsletters and brochures. (CO1, K4)

Or

- (b) How is Microsoft Word commonly used in creating documents related to Physical Education? (CO1, K4)

19. (a) What is the relationship between ICT and Constructivism in the pedagogical context? (CO4, K5)

Or

- (b) Discuss the advantages of Collaborative Learning in the context of ICT integration. (CO4, K5)

20. (a) How do multimedia resources improve the e–Learning experience? (CO5, K6)

Or

- (b) Compare and contrast MOOCs and Swayam in terms of their objectives. (CO5, K6)

R1223

Sub. Code

811402

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Fourth Semester

Physical Education

SPORTS PSYCHOLOGY

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by choosing the correct option.

1. M.L. Kamlesh said Sport psychology is the _____ of psychological principles to sport and physical activity at all levels of skill development. (CO1, K4)
(a) Application (b) Study
(c) Learning (d) Training
2. What is the name of wrong perception? (CO1, K4)
(a) Hallucination (b) Illusion
(c) Anesthesia (d) Paraesthesia
3. In psychology the term motivation refers to _____ from within the organism. (CO2, K4)
(a) Improvement (b) Honor
(c) Activation (d) Appreciation
4. Sports encouragement by spectators is a _____ (CO2, K4)
(a) Social incentive (b) Monetary incentive
(c) Reward incentive (d) Social competitive incentive

5. Leadership is a process of _____ pupils towards common goals. (CO3, K4)
- (a) Guiding (b) Participating
(c) Together (d) Motivating
6. There are _____ steps in the goal setting process. (CO3, K4)
- (a) Two (b) Three
(c) Four (d) Five
7. The study of how sports impact and are influenced by society is known as (CO4, K5)
- (a) Athletic anthropology
(b) Societal sports analysis
(c) Sports sociology
(d) Social sports science
8. Group dynamics is known as _____. (CO4, K5)
- (a) Social synergy (b) Collective behavior
(c) Group sociology (d) Interpersonal dynamics
9. The term for the techniques a player or athlete employs to stay calm and enhance performance is known as _____. (CO5, K6)
- (a) Athletic mindfulness
(b) Competitive serenity
(c) Performance enhancement
(d) Sports relaxation
10. Autogenic training is a technique for _____. (CO5, K6)
- (a) Enhancing speed
(b) Building muscle
(c) Promoting relaxation
(d) Improving endurance

Part B

(5 × 5 = 25)

Answer **all** the questions not more than 500 word each.

11. (a) Define psychology and Mention the recent trends in sports psychology. (CO1, K4)

Or

- (b) Define sports psychology and write the history of sports psychology. (CO1, K4)

12. (a) Write the characters of spectators. (CO2, K4)

Or

- (b) What is motivation? Write the meaning of secondary motivation and primary motivation.

(CO2, K4)

13. (a) Distinguished between group dynamics and group cohesion. (CO3, K4)

Or

- (b) Define leadership and write about types of leadership. (CO3, K4)

14. (a) Define sports sociology and explain the meaning of group interaction. (CO4, K5)

Or

- (b) Discuss about women in sports. (CO4, K5)

15. (a) Write the mental training and its benefits.

(CO5, K6)

Or

- (b) Described the relaxation techniques in sports.

(CO5, K6)

Part C

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Discuss the need and importance of sports psychology in the field of physical education.

(CO1, K4)

Or

- (b) Briefly explain about effects of personality on sports performance.

(CO1, K4)

17. (a) Define anxiety and explain the methods of measuring various types of anxiety.

(CO2, K4)

Or

- (b) Explain motivation.

(CO2, K4)

18. (a) Discuss about the goal setting and sports performance in your games.

(CO3, K4)

Or

- (b) What are the factors affecting sports performance? Explain.

(CO3, K4)

19. (a) Explain national integration through sports.

(CO4, K5)

Or

- (b) What is the transfer of learning and mention its types with its implication in sports.

(CO4, K5)

20. (a) Briefly explain the long and short term psychological preparation for competition.

(CO5, K6)

Or

- (b) What are the benefits and methods of autogenic training and psycho somatic training?

(CO5, K6)

R1224

Sub. Code

811403

M.P.Ed. DEGREE EXAMINATION, APRIL – 2024

Fourth Semester

Physical Education

**EDUCATION TECHNOLOGY IN PHYSICAL
EDUCATION**

(CBCS – 2022 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 1 = 10)

Answer **all** the following objective questions by
choosing the correct option.

1. Educational technology allows the students to build up them _____. (CO1, K4)
(a) Strength (b) Method
(c) Tools (d) Knowledge
2. The technology word was derived from _____ language. (CO1, K4)
(a) Latin (b) Swedish
(c) Greek (d) Italy
3. Communication is an art of transmitting _____ ideas and attitude from one person to another person. (CO2, K4)
(a) Training (b) Teaching
(c) Coaching (d) Information
4. Downwards communication highly _____ communication from senior to subordinate for assign duties. (CO2, K4)
(a) Direct (b) Indirect
(c) Vertical (d) Horizontal

5. System approach has been introduced in the field of education for _____ classes. (CO3, K4)
(a) To manage (b) To solution
(c) To substitute (d) To arrangement
6. Which competency is emphasized in industrial design education to ensure the integration of aesthetics and functionality in product development? (CO3, K4)
(a) Creativity (b) Critical Thinking
(c) Design Thinking (d) Technical Skills
7. Had your wish will communication is the branches of _____ science. (CO4, K5)
(a) Vision (b) Audio and Video
(c) Video (d) Media
8. The expansion of CCTV is _____. (CO4, K5)
(a) Camera card television
(b) Close circuit television
(c) Camera catching television
(d) Cell camera television
9. Liquid Crystal Display LCD is a _____ and display? (CO5, K6)
(a) Flat panel (b) Cylindrical panel
(c) Oval panel (d) Water panel
10. Tele conference can be used for _____ purpose. (CO5, K6)
(a) Telephone meeting
(b) Online meeting
(c) Video conference
(d) Audio Conference

Part B

(5 × 5 = 25)

Answer **all** the questions not more than 500 words each.

11. (a) Write the concept of education technology in physical education. (CO1, K4)

Or

- (b) What are the transactional usages of education technology in physical education? (CO1, K4)

12. (a) Give me a short notes on the following
(i) Goal setting
(ii) Task analysis (CO2, K4)

Or

- (b) Discuss about the communication modes. (CO2, K4)

13. (a) Write the concept of instructional design. (CO3, K4)

Or

- (b) What are the models for development of self-learning materials? (CO3, K4)

14. (a) Describe the objectives of audio conference in education. (CO4, K5)

Or

- (b) What are the usages of television in physical education? (CO4, K5)

15. (a) Discuss about the hypertext. (CO5, K6)

Or

- (b) Write down the optical fibre technology used in physical education. (CO5, K6)

Part C

(5 × 8 = 40)

Answer **all** the questions not more than 1000 words each.

16. (a) Explain in details the nature and scope of education technology in physical education. (CO1, K4)

Or

- (b) List down the stages of programmed learning in education and it's explained. (CO1, K4)

17. (a) What is the meaning of communication? Briefly explain the barriers are process of communication. (CO2, K4)

Or

- (b) Briefly explain the instructional strategies. (CO2, K4)

18. (a) Describe about the stages and development of instructional design. (CO3, K4)

Or

- (b) Briefly explain about the various models of instructional design. (CO3, K4)

19. (a) What is video conference? Explain the various uses of video conference in the field of physical education and sports. (CO4, K5)

Or

- (b) What are the strength and limitation for audio visual media in physical education? (CO4, K5)

20. (a) What is teaching aids? Explain the various technology used for teaching aids in physical education. (CO5, K6)

Or

- (b) Explain the procedures and organization of teleconference. (CO5, K6)