

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2020

B.P.Ed.

EC 402—SPORTS MANAGEMENT

Time : Three Hours

Maximum : 75 Marks

*Answer any one question from I to III in detail not exceeding three pages.
Each question carries 15 marks.*

- I. 1 Explain in details the Organizational structure of sports, Physical Education at School, college and University level.
- Or*
- 2 Write in details about the factors affecting Planning in sports and Physical Education.
- II. 1 Describe the qualities and Qualifications of administrative leader in Sports and Physical education.
- Or*
- 2 What is Leader ? Explain in details of meaning and definition of leadership emphasizing the scope and Role of Leader in Sports Management.
- III. 1 Explain various steps of Budget making at School, College and University Sports Management.
- Or*
- 2 Describe in details the Principles of Budgeting in Sports Management.
- (3 × 15 = 45 marks)
- IV. Write a short notes on any *three* of the following. Each question carries 5 marks.
- (1) Autocratic Leadership.
 - (2) Laissez-faire leadership.
 - (3) Event management.
 - (4) The reward/punishment system in sports management.
- (3 × 5 = 15 marks)
- V. Answer any *fifteen* of the following. Each question carries 1 mark :
- 1 Who guides and directs others through word and action for achieving objectives and goals ?
 - (a) Leader.
 - (b) Supporter.
 - (c) Public.
 - (d) None of these.

Turn over

- 2 Which one of the following is not factor for management ?
- (a) Organizing. (b) Planning.
(c) Controlling. (d) Performance.
- 3 _____ is a very important factor before conducting a tournament.
- (a) Public. (b) Evaluation.
(c) Finance. (d) None of these.
- 4 In sports management people have goals that represent a variety of _____.
- (a) Objectives. (b) Vehicle.
(c) Food. (d) Will power.
- 5 Management is for the _____.
- (a) Success. (b) People.
(c) World. (d) Children.
- 6 The managers of physical Education must understand _____.
- (a) Mountain. (b) Trekking.
(c) Each of the person. (d) River.
- 7 Successful management is working towards the achievement of objectives _____.
- (a) With and through people.
(b) By the people.
(c) For the people.
(d) Of the people.
- 8 Management is gradually becoming _____.
- (a) Yogic practice.
(b) Sports.
(c) Dance with a group.
(d) Science with specialized knowledge.

- 9 Studying management will help decide whether to select this field as a _____.
- (a) Culture. (b) Career.
(c) Adventure Sport. (d) Boxing Player.
- 10 In management some individuals have qualities developed through _____.
- (a) Study. (b) Playing.
(c) Conversation. (d) Training and experience.
- 11 A sports manager touch an at least three career categories _____.
- (a) Fitness/Health/Training.
(b) Communication/Sales/Management.
(c) Equipment/Measurement/Test.
(d) None of these.
- 12 A knowledge of management helps further good _____.
- (a) Health. (b) Wealth.
(c) Human relations. (d) None of these.
- 13 Many times organizations have failed when their managers lacked _____.
- (a) Leadership abilities. (b) Financial support.
(c) Knowledge. (d) None of these.
- 14 One of the most important qualifications of a manager is _____.
- (a) Integrity. (b) Ph.D.
(c) Trained graduate. (d) None of these.
- 15 The person who accepts a management position is morally bound to the _____.
- (a) Chair. (b) Responsibility.
(c) Main In charge. (d) None of these.

16 Muscular activity plays a major role in the development of the _____.

- (a) Institution. (b) People.
(c) Organ system of the body. (d) None of these.

17 In movement one must think and co-ordinate _____.

- (a) Muscular and nervous system. (b) Fitness.
(c) Balance. (d) None of these.

18 Efficient organization and structure result in the proper _____.

- (a) Delegation of authority.
(b) Management.
(c) Economy.
(d) None of these.

(15 × 1 = 15 marks)

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2020

B.P.Ed.

EC 401—THEORY OF SPORTS AND GAMES

(Specially Sports and Games Specialisation)

Time : Three Hours

Maximum : 75 Marks

*Write any one question from Question Number I to III in detail not exceeding three pages.**Each question carries 15 marks.*

- I. 1 Draw Kabaddi court and label the playing areas and explain about the areas with measurements.

Or

- 2 Draw Handball Court and label the playing areas and explain about the areas with measurements.

- II. 1 Define Sports Training and Explain the Aims, Objectives and Characteristics of Sports Training.

Or

- 2 Define Lever and explain the types of levers with examples from the field of Sports and Games.

- III. 1 Define Strength and explain the importance of Strength. Describe the types of Strength needed for athlete in various Sports and Games

Or

- 2 Explain the Training methods to develop various components of physical fitness and motor fitness.

(3 × 15 = 45 marks)

- IV. Write short note on any *three* of the following. Each Question carries 5 marks :

- 1 Define Technique.
- 2 Explain Phases of technique or skill acquisition.
- 3 Define Warming Up.
- 4 Explain Recreation.

(3 × 5 = 15 marks)

Turn over

Answer any *fifteen* of the following. Each question carries 1 mark :

- 1 Distance of Baulk line from mid line in Kabaddi court for men and junior boys :
 - a) 3 meters.
 - b) 2.75 meters.
 - c) 3.75 meters.
 - d) 2 meters.
- 2 The length of Kho Kho playground for seniors :
 - a) 29 meters.
 - b) 28 meters.
 - c) 26 meters.
 - d) 27 meters.
- 3 Height of Football Goal post from the lower edge of the crossbar to the ground :
 - a) 6 feet.
 - b) 7 feet.
 - c) 8 feet.
 - d) 9 feet.
- 4 Length of Handball court :
 - a) 30 meter.
 - b) 40 meter.
 - c) 50 meter.
 - d) 60 meter.
- 5 A large or long training cycle may be 4 months to 12 months or even larger :
 - a) Training Cycle.
 - b) Meso cycle.
 - c) Macro cycle.
 - d) Micro cycle.
- 6 The component of training which implies the total quantity of activity performed in training :
 - a) Intensity.
 - b) Complexity.
 - c) Volume.
 - d) Density.
- 7 The degree of sophistication of a training exercise :
 - a) Intensity.
 - b) Complexity.
 - c) Volume.
 - d) Density.
- 8 The distance an object is removed from a reference point :
 - a) Velocity.
 - b) Speed.
 - c) Displacement.
 - d) Distance.
- 9 The product of force and time is called :
 - a) Velocity.
 - b) Speed.
 - c) Momentum.
 - d) Impulse.

- 10 Forces acting at the same point of application but at different angles are called :
- a) Concurrent forces.
 - b) Linear forces.
 - c) Parallel Forces.
 - d) Centripetal force.
- 11 The effort lies between the axis and the resistance :
- a) First class lever.
 - b) Second class lever.
 - c) Third class lever.
 - d) Fourth class lever.
- 12 The sum of all linear forces equal zero and sum of all torques equals zero :
- a) Unstable equilibrium.
 - b) Stable Equilibrium.
 - c) Neutral equilibrium.
 - d) Friction.
- 13 The ability to overcome or to act against maximal resistance :
- a) Maximum Strength.
 - b) Explosive Strength.
 - c) Strength Endurance.
 - d) Speed Endurance.
- 14 The ability to do movements involving large number of muscles at a slow pace for prolonged periods :
- a) Basic Endurance.
 - b) Specific Endurance.
 - c) Speed Endurance.
 - d) General Endurance.
- 15 This ability is required for cyclic activities lasting up to 45 seconds :
- a) Short Time Endurance.
 - b) Speed Endurance.
 - c) Medium Time Endurance.
 - d) Long Time Endurance.
- 16 The ability to react effectively and quickly to a signal :
- a) Reaction Ability.
 - b) Movement Speed.
 - c) Acceleration Ability.
 - d) Locomotor Ability.
- 17 The ability to maintain maximum speed of locomotion for maximum possible duration or distance :
- a) Reaction Ability.
 - b) Movement Speed.
 - c) Acceleration Ability.
 - d) Locomotor Ability.
- 18 The ability to do movements with greater amplitude without external help :
- a) Passive Flexibility.
 - b) Active Flexibility.
 - c) Static Flexibility.
 - d) Dynamic Flexibility.

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2020

B.P.Ed.

CC 403—RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

Time : Three Hours

Maximum : 75 Marks

Write any **one** question from Question Number I to III in detail not exceeding **three** pages.

Each question carries 15 marks.

- I. 1 Definition of research ? Describe the need and importance of research in the field of Physical Education and Sports.

Or

- 2 Elaborate the scope of research in physical education and sports with suitable examples.

- II. 1 How literature survey is helpful to formulation of research problem ? And briefly explain the different sources of literature.

Or

- 2 Explain the steps of preparing research proposal in physical education.

- III. 1 Define Statistics ? Write its nature and importance in research field of physical education and sports.

Or

- 2 Importance of graphical representation ? Explain any "two" model representations.

(3 × 15 = 45 marks)

- IV. Write short notes on any *three* of the following. Each question carries 5 marks :

- 1 Measuring scales.
- 2 Characteristics of mean mode and median.
- 3 Measures of variability.
- 4 Features of group and ungroup data.

(3 × 5 = 15 marks)

Turn over

Answer any *fifteen* of the following. Each question carries 1 mark :

Mean, Median and Mode are _____.

- (A) Measures of deviation. (B) Ways of sampling.
(C) Measures of central tendency. (D) None of the above.

Research is _____.

- (A) Searching again and again.
(B) Finding solution to problem.
(C) Scientific way to search for truth.
(D) None of the above.

3 Which of the following is the first step in starting the research process ?

- (A) To locate problem.
(B) Identification of problem.
(C) Survey of related literature.
(D) Searching research tools.

4 A common test in research demands much priority on _____.

- (A) Reliability. (B) Usability.
(C) Objectivity. (D) All of the above.

5 Action research means :

- (A) A longitudinal research.
(B) An analytical research.
(C) Research to solve an immediate problem.
(D) Socio-economic objective.

6 A reasoning where we start with certain particular statements and conclude with a universal statement is called :

- (A) Deductive Reasoning. (B) Inductive Reasoning.
(C) Abnormal Reasoning. (D) Transcendental Reasoning.

- 7 The essential qualities of a researcher are _____.
- (A) Spirit of free enquiry.
 - (B) Reliance on evidence.
 - (C) Systematization of knowledge.
 - (D) All the above.
- 8 In the conducting research 'Formulation of Hypothesis' is followed by _____.
- (A) Statement of Objectives. (B) Analysis of Data.
 - (C) Selection of Research Tools. (D) Collection of Data.
- 9 A research paper is a brief report of research work based on _____.
- (A) Primary Data only.
 - (B) Secondary Data only.
 - (C) Both Primary and Secondary Data.
 - (D) None of the above.
- 10 Information is _____.
- (A) Organized data. (B) Processed Data.
 - (C) Input data. (D) Raw Data.
- 11 Questionnaire is a :
- (A) Tool for data collection. (B) Measurement technique.
 - (C) Research method. (D) Data analysis technique.
- 12 "Controlled Group" is a term used in _____.
- (A) Survey research. (B) Historical research.
 - (C) Experimental research. (D) Descriptive research.
- 13 Which of the following is not a "Graphic representation" ?
- (A) Table. (B) Bar Chart.
 - (C) Pie Chart. (D) Histogram.

- 14 Fundamental research aims at :
- (A) Action research. (B) Applied research.
(C) Pilot Survey. (D) Pure research.
- 15 Which of the following is an example of primary data ?
- (A) Book. (B) News paper.
(C) Journal. (D) Census report.
- 16 Final stage in the research process is _____.
- (A) Bibliography. (B) Data collection.
(C) Data analysis. (D) Report writing.
- 17 _____ is a quality of good researcher.
- (A) Scientific Temper. (B) Age.
(C) Money. (D) Time.
- 18 Which one is not a part of Variability ?
- (A) Standard deviation. (B) Range.
(C) Mode. (D) Quartiles.

(15 × 1 = 15 marks)

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2020

B.P.Ed.

CC 402—KINESIOLOGY AND BIOMECHANICS

Time : Three Hours

Maximum : 75 Marks

Write any one question from Question Number I to III in detail not exceeding three pages.

Each question carries 15 marks.

- I. 1 Define kinesiology ; briefly explain its need and importance in the field of physical education and sports.

Or

- 2 What is good posture ? Explain types of good posture and importance of good posture.

- II. 1 Define lever and its types. Explain its application in sports activities.

Or

- 2 Briefly explain the role of axes and planes.

- III. 1 What is projectile ? Explain the factors influencing projectile trajectory.

Or

- 2 Explain newton laws of motion and its application in sports activities.

(3 × 15 = 45 marks)

- IV. Write short notes on any *three* of the following. Each question carries 5 marks :

- 1 Line of gravity.
- 2 Centripetal and centrifugal force.
- 3 All or none law.
- 4 Stability.

(3 × 5 = 15 marks)

- V. Answer any *fifteen* of the following. Each question carries 1 mark :

- 1 Circular motion of a body part is called _____.

- | | |
|-------------------|--------------|
| a) Supination. | b) Twisting. |
| c) Circumduction. | d) Rotation. |

Turn over

- 2 Turning of palm backward and downward is called _____.
- a) Elevation.
 - b) Eversion.
 - c) Supination.
 - d) Pronation.
- 3 Turning of the sole of the foot outward is called _____.
- a) Eversion.
 - b) Plantar flexion.
 - c) Dorsi flexion.
 - d) Inversion.
- 4 Raising the jaw is called _____.
- a) Protraction.
 - b) Extension.
 - c) Retraction.
 - d) Flexion.
- 5 The movement possible in the ball and socket joints are _____.
- a) Flexion.
 - b) Extension.
 - c) Abduction.
 - d) All of the above.
- 6 Outside movement of a body part towards the midline is called _____.
- a) Adduction.
 - b) Circumduction.
 - c) Abduction.
 - d) Hyper extension.
- 7 Wrist joints and fingers joints are examples of _____ joint.
- a) Saddle and condyloid joints.
 - b) Ball and socket joint.
 - c) Hinge joint.
 - d) None of the above.
- 8 Muscle fibres arranged in its longitudinal axis is called as _____.
- a) Uniform muscle.
 - b) Penniform muscle.
 - c) Fusiform muscle.
 - d) None of the above.
- 9 _____ is a rigid bar that is used to overcome a resistance when a force is applied to one side of the fulcrum.
- a) Axis.
 - b) Fulcrum.
 - c) Liver.
 - d) Lever.
- 10 The law of _____ says that a body will remain in a state of rest or constant linear velocity unless it is acted upon by some external unbalanced force.
- a) Velocity.
 - b) Inertia.
 - c) Reaction.
 - d) Acceleration.

- 11 The lower the centre of gravity, the higher is _____.
- a) Line of gravity.
 - b) Body weight.
 - c) Base of support.
 - d) Stability.
- 12 The point at which all the weight or mass of a body may be considered to be concentrated is known as _____.
- a) Line of gravity.
 - b) Height of gravity.
 - c) Centre of gravity.
 - d) Mass.
- 13 The force which tends to squeeze an object is known as _____.
- a) Tension force.
 - b) Sheer force.
 - c) Compression force.
 - d) Centripetal force.
- 14 Exaggerated lateral curvature of the spine is known as _____.
- a) Lordosis.
 - b) Scoliosis.
 - c) Khyposis.
 - d) None of the above.
- 15 Exaggeration or increase in the amount of normal concavity of the lumbar region of the spine is known as _____.
- a) Khyposis.
 - b) Scoliosis.
 - c) Lordosis.
 - d) None of the above.
- 16 _____ is directly proportional to stability.
- a) Point of contact.
 - b) Age.
 - c) Height.
 - d) Body weight.
- 17 Inside movement of a body part towards the midline of the body is called _____.
- a) Abduction.
 - b) Supination.
 - c) Adduction.
 - d) Pronation.
- 18 Flat and four sided muscles are known as _____.
- a) Triangle muscle.
 - b) Penniform muscle.
 - c) Quadrilateral muscle.
 - d) None of the above.

(15 × 1 = 15 marks)

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2020

B.P.Ed.

CC 401—MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION

Time : Three Hours

Maximum : 75 Marks

Answer any one question from Question I to III in detail not exceeding three pages.

Each question carries 15 marks.

I. 1 Explain the scope of Measurement and Evaluation in Physical Education.

Or

2 Explain the criteria in the selection of a good test.

II. 1 Explain the need and importance of sports skill tests.

Or

2 Explain the procedure of administering a sports skill test.

III. 1 Explain the Lockhart and McPherson's Test.

Or

2 Explain the SAI Volleyball Test.

(3 × 15 = 45 marks)

IV. Write short notes on any *three* of the following. Each question carries 5 marks :

1 Indiana Motor fitness Test.

2 AAHPER Youth Fitness Test.

3 National Physical Fitness Test.

4 Sports Skill Testing in Badminton.

(3 × 5 = 15 marks)

V. Answer any *fifteen* of the following. Each question carries 1 mark :

1 The duration of each trial in McDonald's Soccer Test is :

(a) 60 seconds.

(b) 45 seconds.

(c) 30 second.

(d) None of the above.

Turn over

- 2 The number of trials in McDonald's Soccer Test is :
- (a) 4. (b) 3.
(c) 1. (d) None of the above.
- 3 The number of test items in Johnson's Basketball Skill Test is :
- (a) 4. (b) 5.
(c) 2. (d) 3.
- 4 The duration of Johnson's Basketball Dribble Test is :
- (a) 60 seconds. (b) 30 seconds.
(c) 40 seconds. (d) None of the above.
- 5 The number and distance of hurdles placed in the Johnson's Basketball Dribble Test is :
- (a) 4 hurdles at 6 ft. (b) 4 hurdles at 12 ft.
(c) 5 hurdles at 6 ft. (d) None of the above.
- 6 The odd reference for study is :
- (a) Barron. (b) Bangsbo
(c) D.K. Kansal. (d) James Hay.
- 7 Which one is not part of JCR Test :
- (a) Vertical Jumping. (b) Shuttle Run.
(c) 100 mts sprints. (d) Chinning.
- 8 A standard test includes _____.
- (a) Scientific Authenticity. (b) Educational Application.
(c) Administrative Feasibility. (d) All of the above.
- 9 The number of test items in AAHPER Youth Fitness Test is:
- (a) 6. (b) 5.
(c) 7. (d) 10.
- 10 The item not included in the AAHPER Test is _____.
- (a) Standing broad jump. (b) Shuttle Run.
(c) Vertical jump. (d) Pull Ups.

- 11 The JCR Test is ideally suited for _____.
- (a) Males. (b) Both groups.
(c) Females. (d) High school children.
- 12 The number of test items in JCR is _____.
- (a) 3. (b) 4.
(c) 5. (d) None of the above.
- 13 The JCR Test is designed by _____.
- (a) Philip. (b) Barrow.
(c) Roger. (d) Johnson.
- 14 The test items on SAI Volleyball Test does not include _____.
- (a) Accuracy of service test. (b) Medicine Ball Throw Test.
(c) Wall Volleying Test. (d) Sit-up Test.
- 15 The net line on the Badminton Test shall be :
- (a) 3 inches. (b) 5 inches.
(c) 1 inch. (d) None of the above.
- 16 The wall space required for the Lockhart McPherson's test is :
- (a) 10 × 10 feet. (b) 5 × 5 feet.
(c) 10 × 5 feet. (d) 5 × 10 feet.
- 17 The height of the target from the floor in Johnson's Basketball test shall be _____.
- (a) 14 ft. (b) 40 feet.
(c) 14 inches. (d) 40 inches.
- 18 JCR Test does not require :
- (a) Weight plates. (b) Wooden blocks.
(c) Stopwatch. (d) Marked wall.

(15 × 1 = 15 marks)

FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2022

B.P.Ed.

EC 402—SPORTS MANAGEMENT

(2015 Admission onwards)

Time : Three Hours

Maximum : 75 Marks

Answer any **one** question from Question I to III in detail not exceeding **three** pages.

Each question carries 15 marks.

I. 1 Discuss the importance of financial management in Physical Education.

Or

2 Describe the factors affecting planning.

II. 1 Explain forms of leadership.

Or

2 Describe the qualities required for an administrative leader.

III. 1 Discuss essential skills of sports Management.

Or

2 Describe the functions of Sports Management.

(3 × 15 = 45 marks)

IV. Write short notes on any *three* of the following. Each question carries 5 marks :

1 Principles of budgeting.

2 Controlling college sports programme.

3 Scope of sports management.

4 Leadership style.

(3 × 5 = 15 marks)

Turn over

V. Answer any *fifteen* of the following. Each question carries 1 mark :

- 1 Level of sports management is in the following order :
 - (a) Functional-staff-line.
 - (b) Top-middle-operational.
 - (c) High level-low level.
 - (d) Staff-function-line.
- 2 The department(s) that an event management company will have is (are) :
 - (a) Creative.
 - (b) Production.
 - (c) Client servicing.
 - (d) All of the above.
- 3 Sports management as a discipline is the function of _____.
 - (a) Science.
 - (b) Art.
 - (c) Creativity.
 - (d) All of the above.
- 4 *Who* is the person you have to give importance under the company's checklist before making call to the consultant :
 - (a) Managers.
 - (b) Employees.
 - (c) Customer.
 - (d) All of the above.
- 5 The word _____ denotes a function, a task, a discipline.
 - (a) Management.
 - (b) Leadership.
 - (c) Motivation.
 - (d) None of the above.
- 6 Advantage of delegation of authority results in prompt _____.
 - (a) Understanding.
 - (b) Decision-making.
 - (c) Both (a) and (b).
 - (d) None of the above.
- 7 Learning sports organizations are adaptive to their _____ environment.
 - (a) Internal.
 - (b) External.
 - (c) Work.
 - (d) None of the above.
- 8 Positive sport motivation makes athletes willing to do their work in the best way they can and improve their _____.
 - (a) Skills.
 - (b) Performance.
 - (c) Both (a) and (b).
 - (d) None of the above.

- 9 The higher the _____ level of the employee, the lower the job satisfaction.
- (a) Managerial. (b) Educational.
(c) Satisfaction. (d) None of the above.
- 10 Under the principles of effective _____, it is said that never delegate and disappear.
- (a) Delegation. (b) Management.
(c) Organization. (d) Centralization.
- 11 Sport meet judgments should be free from _____.
- (a) Behaviour. (b) Impartiality.
(c) Values. (d) Principles.
- 12 The group of sports customers to whom a product is marketed is the _____.
- (a) Demographic classification.
(b) Target market.
(c) Sports fan.
(d) Audience.
- 13 The sport management controllable variables, the company puts together to satisfy a target group are referred to as _____.
- (a) Marketing mix. (b) Product mix.
(c) Target market. (d) Advertisement.
- 14 _____ concept is probably the best single measure of sports industry's impact.
- (a) Value addition. (b) Output.
(c) Spending. (d) Savings.
- 15 Revenue management in sports' can be accelerated if the organization has enough _____.
- (a) Bond. (b) Liability.
(c) Assets. (d) Equity.

- 16 _____ was the first scholarly organization formed to meet the unique interests of persons within sport management.
- (a) SAI. (b) SMARTS.
(c) NASSM. (d) AAHPERD.
- 17 _____ function is important after the conclusion of an International tournament for feedback.
- (a) Planning. (b) Co-ordination.
(c) Staffing. (d) Evaluation.
- 18 Which one of the following is essential for an Event Manager ?
- (a) Leadership. (b) Organizing.
(c) Planning. (d) All the above.

(15 × 1 = 15 marks)

**FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION
APRIL 2022**

B.P.Ed.

CC 403—RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

(2015 Admission onwards)

Time : Three Hours

Maximum : 75 Marks

*Answer any **one** question numbers I to III in detail not exceeding **three** pages.*

Each question carries 15 marks.

- I. 1 Define Research. Briefly explain need and importance of research in the field of Physical Education and Sports.

Or

- 2 Explain the criteria and location in selecting a Research Problem.

- II. 1 List out the various sources of Literature and explain each of them detail.

Or

- 2 Explain the importance of literature help a research work to drive a conclusion.

- III. 1 What is statistics ? Explain need and importance of statistics in the field of Physical Education and Sports.

Or

- 2 Write a detailed note on class distribution, class interval and raw scores.

(3 × 15 = 45 marks)

- IV. Write a short notes on any *three* of the following. Each question carries 5 marks :

- 1 Measures of Variability.
- 2 Advantages of grouped data in calculation.
- 3 Write a short note of quartile deviation and standard deviation.
- 4 Explain the steps involved in process of constructing a frequency table.

(3 × 5 = 15 marks)

Turn over

V. Answer any *fifteen* of the following. Each question carries 1 mark :

- 1 Boundaries of a study in research work is known as :
 - (a) Metanalysis.
 - (b) Delimitations.
 - (c) Limitations.
 - (d) All this above.
- 2 The total of frequency column indicated by :
 - (a) N.
 - (b) F.
 - (c) CI.
 - (d) None of these.
- 3 Systematically and alphabetically arranging references is known as :
 - (a) Appendices.
 - (b) References.
 - (c) Bibliography.
 - (d) None of these
- 4 $95 - (-15)$ is equal to :
 - (a) 110.
 - (b) 80.
 - (c) 94.
 - (d) None of these.
- 5 The simplest method of studying dispersion is
 - (a) Range.
 - (b) Quartile deviation.
 - (c) Mean deviation.
 - (d) Standard mean.
- 6 The data of research is :
 - (a) Qualitative data only.
 - (b) Quantitative data only.
 - (c) Both qualitative and quantitative data.
 - (d) None of these above.
- 7 Research report means :
 - (a) Abstract.
 - (b) Dissertation.
 - (c) Synopsis.
 - (d) None of these.
- 8 Experimental research method in physical education provides :
 - (a) Detail study.
 - (b) Deep study.
 - (c) Systematic and logical study.
 - (d) Complete study.

- 9 Research means :
- (a) To discover new ideas by scientific study.
 - (b) To discover that is lost.
 - (c) To discover something missing.
 - (d) To search again.
- 10 The initial step in reviewing the literature is to :
- (a) Make a list of key words related to the study.
 - (b) Take notes on research articles
 - (c) Check the preliminary sources
 - (d) None of this above.
- 11 “Controlled Group” is a term used in :
- (a) Survey research (b) Historical research
 - (c) Experimental research (d) Descriptive research
- 12 The longitudinal approach of research deals with:
- (a) Short-term researches (b) Long-term researches
 - (c) Horizontal researches (d) None of these above
- 13 Which of the following is NOT the characteristic of a research ?
- (a) Research is systematic. (b) Research is not passive.
 - (c) Research is not a process. (d) Research is problem oriented.
- 14 Which of the following is the first step in starting the research process ?
- (a) Searching sources of information to locate problem.
 - (b) Survey of related literature.
 - (c) Identification of problem.
 - (d) Searching for solutions to the problem.
- 15 One of the following is not a part of graphical present of a class distribution :
- (a) Histogram. (b) Frequency polygon.
 - (c) Frequency curve. (d) Raw Scores.

16 Which of the following is not a “Graphic representation” ?

- (a) Pie Chart. (b) Bar Chart.
(c) Table. (d) Histogram.

17 The essential qualities of a researcher are :

- (a) Spirit of free enquiry.
(b) Reliance on observation and evidence.
(c) Systematization or theorizing of knowledge.
(d) All the above.

18 The middle value in a distribution refer to :

- (a) Mean. (b) Median.
(c) Mode. (d) All these above.

(15 × 1 = 15 marks)

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FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION, APRIL 2022

B.P.Ed.

CC 402—KINESIOLOGY AND BIOMECHANICS

(2015 Admission onwards)

Time : Three Hours

Maximum : 75 Marks

Answer any **one** question from Question numbers I to III in detail not exceeding **three pages**.

Each question carries 15 marks.

I. (a) Define Kinesiology and Biomechanics. Discuss its importance in Sports and Physical Education.

Or

(b) Discuss Equilibrium with types. Terminology of Fundamental Movements connected with sports. Explain.

II. (a) Discuss in detail the types of muscle contractions. Give examples.

Or

(b) Explain All or None law. Discuss the importance of good posture.

III. (a) Define Projectile. Explain the factors influencing Projectile.

Or

(b) Explain Newton's laws of motion and its application to sports.

(3 × 15 = 45 marks)

IV. Write short notes on any *three* of the following. Each question carries 5 marks :

- 1 Acceleration and Speed.
- 2 Distance and Displacement.
- 3 Angle of pull and Reciprocal innovation.
- 4 Momentum and Friction.

(3 × 5 = 15 marks)

Turn over

V. Answer any *fifteen* of the following. Each question carries 1 mark :

1 Tension develops with the change in length of muscle is known as :

- (a) Isotonic.
- (b) Isokinetic.
- (c) Isometric.
- (d) None of these.

2 Which class of lever system is prevalent in human arm :

- (a) 1st class lever.
- (b) 2nd class lever.
- (c) 3rd class lever.
- (d) None of these.

3 On set command the sprinters are in :

- (a) Stable equilibrium.
- (b) Unstable equilibrium.
- (c) Static equilibrium.
- (d) Neutral equilibrium.

4 Newton's first law of motion is called :

- (a) Law of acceleration.
- (b) Law of inertia.
- (c) Law of reaction.
- (d) Law of action.

5 Complete study of force is :

- (a) Law of acceleration.
- (b) Angular kinematics.
- (c) Kinetics.
- (d) None of these.

6 Newton's third law of motion is :

- (a) Law of acceleration.
- (b) Law of action.
- (c) Law of reaction.
- (d) Law of inertia.

7 Mass \times Acceleration is :

- (a) Velocity.
- (b) Speed.
- (c) Force.
- (d) None of these.

- 8 The body is divided into anterior and posterior aspects is known as :
- (a) Sagittal plane. (b) Frontal axes.
(c) Frontal plane. (d) Sagittal axes.
- 9 Tension developed by the muscle while shortening at constant speed is :
- (a) Isometric. (b) Isotonic.
(c) Isokinetic. (d) None of these.
- 10 The path of an object projected into free air space is known as :
- (a) Speed. (b) Abnormal curve.
(c) Velocity. (d) Parabola.
- 11 'Neck joint' is an example of :
- (a) Pivot joint. (b) Hinge joint.
(c) Saddle joint. (d) Condyloid joint.
- 12 Which type of lever is most effective in sport movements ?
- (a) Third class. (b) Second class.
(c) First class. (d) None of these.
- 13 Function of long bones in the body is to :
- (a) Give strength. (b) Give protection.
(c) Act as lever. (d) None of these.
- 14 Bending forward of the trunk is an example of movement in the :
- (a) Frontal plane. (b) Transverse plane.
(c) Sagittal plane. (d) Longitudinal axis.
- 15 An athlete covering 100 m distance in 10 seconds, ran at a speed of :
- (a) 10 m/s. (b) 100 m/s.
(c) 20 m/s. (d) 1000 m/s.
- 16 In which type of lever, the weight is in between force and fulcrum ?
- (a) Type I. (b) Type II.
(c) Type III. (d) All the above.

17 'Hamstring' muscle :

- (a) Extends knee. (b) Flexes knee.
(c) Extends elbow. (d) Flexes elbow.

18 Flexion at elbow is brought about by :

- (a) Biceps. (b) Triceps.
(c) Both (a) and (b). (d) None of these.

(15 × 1 = 15 marks)

CHMK LIBRARY UNIVERSITY OF CALICUT

**FOURTH SEMESTER B.P.Ed. DEGREE EXAMINATION
APRIL 2022**

B.PEd.

CC 401—MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION

(2015 Admission onwards)

Time : Three Hours

Maximum : 75 Marks

*Answer any **one** question from Questions I to III in detail not exceeding **three** pages.*

Each question carries 15 marks.

- I. a) "Measurement and evaluation activities as an integral part of program development and assessment in both school and non-school settings" Discuss.
- Or*
- b) Describe the components and test items of AAHPER Youth Fitness Test.
- II. a) What is the criteria for the selection of tests ? Explain reliability, validity, objectivity and availability of norms.
- Or*
- b) Explicate type and classification of test.
- III. a) Discuss in detail the procedure for test administration: Advance preparation-duties during testing- duties after testing.
- Or*
- b) Explain US Army Physical Fitness Test.

(3 × 15 = 45 marks)

IV. Write shorts notes on any three of the following :

- a) Principles of Evaluation.
- b) Indiana Motor Fitness Test.
- c) SAI Hockey skill test.
- d) McDonald Soccer test.

(3 × 5 = 15 marks)

Turn over

*Answer the following.
Each question carries 1 mark.*

- V. 1 A category of the psychomotor domain that is defined by the component's strength, power and endurance :
- a) Motor educability.
 - b) Motor fitness.
 - c) Motor skill.
 - d) Psychomotor skill.
- 2 Split-halves method is used to establish :
- a) Validity.
 - b) Reliability.
 - c) Objectivity.
 - d) Authenticity.
- 3 What is known as the standard to which an obtained score may be compared ?
- a) Norms.
 - b) Concurrent validity.
 - c) Scale.
 - d) Statistical methods.
- 4 JCR test does not include :
- a) Standing broad jump.
 - b) Vertical jump.
 - c) Chin-ups.
 - d) 100 yard shuttle run.
- 5 How many trials are permitted in AAHPER Youth Fitness test item-shuttle run ?
- a) 1 trial.
 - b) 2 trials.
 - c) 3 trials.
 - d) 4 trials.
- 6 The degree to which scores on a test correlate with scores on a accepted standard :
- a) Construct validity.
 - b) Concurrent validity.
 - c) Decision validity.
 - d) Co-efficient of determination.
- 7 Which of the following is not a physical fitness test ?
- a) AAHPER test.
 - b) US Army test.
 - c) Johnson's test.
 - d) Indiana test.
- 8 Lockhart-McPherson test is related with :
- a) Hockey.
 - b) Basketball.
 - c) Badminton.
 - d) Tennis.
- 9 Collection of information on which a decision is based
- a) Evaluation.
 - b) Measurement.
 - c) Test battery.
 - d) None of the above.

- 10 The Lockhart-McPherson Badminton Test, distance of line should be made on the ground parallel with the wall
- a) 6 feet.
 - b) 6.5 feet.
 - c) 7 feet.
 - d) 8 feet.
- 11 SAI Hockey test, shooting at target, a target was formed by pegged two flag posts with the height of :
- a) 1 meter.
 - b) 1.5 meter.
 - c) 2 meter.
 - d) 2.5 meter.
- 12 In JCR test, the motor ability components tested does not include :
- a) Power.
 - b) Muscular endurance.
 - c) Agility.
 - d) Flexibility.
- 13 In McDonald soccer test, _____ high and _____ wide kick board is used for the test.
- a) 10 feet, 40 feet.
 - b) 5 feet, 30 feet.
 - c) 10 feet, 25 feet.
 - d) 5 feet, 20 feet.
- 14 A measure of central tendency obtained by dividing the sum of the scores by the number of scores :
- a) Median.
 - b) Mode.
 - c) Mean.
 - d) Standard deviation.
- 15 US Army Physical Fitness test does not include
- a) Push-up.
 - b) Pull-up.
 - c) Sit-up.
 - d) Two-mile run.

(15 × 1 = 15 marks)