SECOND YEAR B.PEd. INTEGRATED DEGREE
REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper XI—ENVIRONMENTAL STUDIES

(2013 Syllabus)

Time : Three Hours   Maximum : 75 Marks

Answer any **three** *questions from Part A and any* **two** *questions from Part B.*
Question 8 *is* **compulsory**.
All questions carry 15 *marks each.*

Part A

1. Describe Biodiversity. Discuss the threats of biodiversity at global level.

$$(1 \times 15 = 15 \text{ marks})$$

2. (A) Fill in the blanks :

    (a) A group of individuals of a plant/animal species inhabiting a given area is called ————.

    (b) ———— studies enables the people to adapt appropriate activities which are harmonious with the environment.

    (c) Darkening of Taj Mahal is due to ————.

    (d) The main energy source of environment is ————.

    (e) ———— is the natural habitat of lion in India ?

$$(5 \times 1 = 5 \text{ marks})$$

(B) Choose the correct answer :

    (a) Lotic ecosystem refers to :

        (i) Static water system.

        (ii) Ecosystem of flowing water.

        (iii) Ecosystem of estuaries.

        (iv) Deep marine water system.

    (b) Eravikulam National Park conserves :

        (i) Lion tailed macaque.   (ii) Tiger.

        (iii) Elephant.   (iv) Nilgiri Tahr.

(c) Which of the following areas in India are known as hotspot of biodiversity ?

    (i) Sunderbans Deltas.   (ii) Western Ghats.

    (iii) Eastern Ghats.   (iv) Gangetic Plain.

(d) Which of the following is causing the most extinction ?

    (i) Polution.   (ii) Loss of habitat.

    (iii) Farts.   (iv) They are dying of old age.

(e) Expand GIS :

    (i) Geographical Information System.

    (ii) Geographical Information Source.

    (iii) Geological Information System.

    (iv) Geological Index System.

(5 × 1 = 5 marks)

(C) Answer the following :—

    (a) The natural resoures that can be harvested continuously with proper planning and management are called ————.

    (b) The rate at which the number of individuals in a population increases in a given time period, expressed as a fraction of the initial population is ————.

    (c) ———— trap heat radiating from the Earth to Space.

    (d) The flow of energy through a food chain is called ————.

    (e) The genocide of the European Jews by Nazi Germany and its collaborators between 1941 and 1945 is referreas as ————.

(5 × 1 = 5 marks)

3. Describe the following :—

    (a) Food resources.

    (b) Marine pollution.

    (c) Food webs.

(3 × 5 = 15 marks)

4. Briefly explain the following :—

    (a) Population growth.

    (b) Watershed management.

    (c) Poaching of wild life.

(3 × 5 = 15 marks)

5. Write short notes on :

    (a)   Nuclear accidents.

    (b)   Grassland ecosystem.

    (c)   Consumerism and waste products.

<div align="right">(3 × 5 = 15 marks)</div>

Part B

6. Explain the causes and effects of environmental pollution.   (1 × 15 = 15 marks)

7. Write short notes on :

    (a)   Effect of Mining on environment.

    (b)   Resettlement and rehabilitation of people.

    (c)   Benefits of forests.

<div align="right">(3 × 5 = 15 marks)</div>

8. Write short notes on any *five* of the following :—

    (a)   Green Revolution.

    (b)   Water calamities.

    (c)   Energy resources.

    (d)   Types of marine pollution.

    (e)   Ozone layer depletion.

    (f)   Need for awareness on environmental protection.

    (g)   Ecological pyramids.

    (h)   Family Welfare Programmes.

<div align="right">(5 × 3 = 15 marks)</div>

SECOND YEAR B.PEd. INTEGRATED DEGREE
REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper X—FIRST AID AND SAFETY EDUCATION AND LIFE SKILL EDUCATION

(2013 Syllabus)

Time : Three Hours   Maximum : 75 Marks

Answer any **three** *questions from Part A and* **two** *questions from Part B.*
Question 8 *is* **compulsory**.

Part A

1. Explain in detail about the types of fracture and their management.   (1 × 15 = 15 marks)

2. Choose the correct answer :

   (i)   You are caring for a victim with a burned hand. Put the hand in cool water if ————.

         (a)   The burns are very deep.

         (b)   There are burns with open blisters.

         (c)   The burns are minor with no open blisters.

         (d)   You should put the hand in cool water for all of the above.

   (ii) You feel a sudden sharp pain in the bottom of your left foot. You look at the bottom of your left shoe and see a tack sticking in your shoe. What type of wound do you probably have ?

         (a)   Avulsion.   (b)   Bruise.

         (c)   Scrape.   (d)   Puncture.

   (iii) Which is the first step when caring for bleeding wounds ?

         (a)   Apply direct pressure with a clean or sterile dressing.

         (b)   Apply pressure at the pressure point.

         (c)   Add bulky dressings to reinforce blood soaked bandages.

         (d)   Elevate the wound.

   (iv) Elastic bandages are used ————.

         (a)   To control bleeding.

         (b)   Control swelling and support injuries such as sprains or strains.

         (c)   To allow circulation to a severed limb.

         (d)   When applying a splint.

(v) A student on your bus has been hit in the mouth and a tooth was knocked out you should ————.

    (a) Control the bleeding and have student bite down on a rolled sterile dressing in the space left by the tooth.

    (b) Save the tooth by placing it in milk or water.

    (c) Wrap the tooth in a dry tissue and give to student to take to dentist.

    (d) Both (a) and (b).

(vi) When caring for a student who is suffering from heat cramps :

    (a) Apply cold packs.

    (b) Give cool water or sports drink.

    (c) Have student keep walking slowly to work the cramp out.

    (d) Massage the muscle vigorously to increase circulation.

(vii) Snakebites can be very serious. When caring for a snakebite victim, which should you not do ?

    (a) Wash wounds.

    (b) Apply ice.

    (c) Keep bitten part still and below the heart.

    (d) Get professional medical care within 30 minutes.

(viii) What would you do for a victim who has internal bleeding ?

    (a) Keep the victim quiet and lying down.

    (b) Bend knees to make them comfortable.

    (c) Both (a) and (b).

    (d) None of the above.

(ix) When caring for a choking infant, what position is the infant held in ?

    (a) Upside down by the ankles and shoulders.

    (b) Face up on a flat surface.

    (c) Face down on your forearm with head lower than the body.

    (d) Face down on your knee, with head lower than the body.

(x) What do you do for a victim who has a bleeding injury to the mouth and you are sure that there is no head, neck, or spine injury.

    (a) Keep victim seated with head tilted slightly forward.

    (b) Keep victim seated with head tilted slightly backward.

    (c) Have the victim lie down on their side.

    (d) Either (a) or (c).

(xi) When caring for a victim who has a large burn on their forearm, you ————.

    (a) Use large amounts to cool water to cool the burn.

    (b) Use ice or ice water to cool the burn.

    (c) Remove any cloth that has stuck to the burn and apply burn cream.

    (d) All of the above.

(xii) Internal bleeding can be caused by :

    (a) Injury.   (b) Illness.

    (c) Medication.   (d) All of the above.

(xiii) What should your first action be when treating an electrical burn ?

    (a) Ensure that the causality is still breathing.

    (b) Wash the burn with cold water.

    (c) Check for danger and ensure that contact with the electrical source is broken.

    (d) Check for level of response.

(xiv) What is an open fracture ?

    (a) A fracture in which the bone ends can move around.

    (b) A fracture in which the bone is exposed as the skin is broken.

    (c) A fracture which causes complications such as punctured lung.

    (d) A fracture in which the bone has bent and split.

(xv) What is faint ?

    (a) A response to fear.   (b) An unexpected collapse.

    (c) A brief loss of consciousness. (d) A sign of flu.

(15 × 1 = 15 marks)

3. Write notes on :

    (a) Benefits of Yoga.

    (b) Duties of a first aider.

    (c) Prevention of fire.

(3 × 5 = 15 marks)

4. Differentiate the following :—

    (a) Osteoporosis and spinal fracture.

    (b) Heat stroke and heat cramp.

    (c) Play ground safety and road safety.

(3 × 5 = 15 marks)

Turn over

5. Briefly explain :

    (a)   Bandaging.

    (b)   Safety at Gymnasium.

    (c)   Value education through sport.

(3 × 5 = 15 marks)

Part B

6. Explain the role of social media on today's sport.   (1 × 15 = 15 marks)

7. Write notes on :

    (a)   Exercise and social well being.

    (b)   Value education through sport.

    (c)   Safety during camping.

(3 × 5 = 15 marks)

8. Answer any *five* :

    (a)   Physical activity for mental health.

    (b)   Sports and International understanding.

    (c)   Ethics in sport.

    (d)   Role of a first aider.

    (e)   Safety at swimming pool.

    (f)   Treatment for heat stroke.

    (g)   Symptoms of fracture.

    (h)   Objectives of first aid.

(5 × 3 = 15 marks)

SECOND YEAR B.P.Ed. INTEGRATED DEGREE REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper IX—EDUCATIONAL AND SPORTS PSYCHOLOGY

(2013 Syllabus)

Time : Three Hours   Maximum : 75 Marks

Answer any **five** *questions of which* **three** *questions should be from Part A and* **two** *questions from Part B include it* **Question No. 8** *is compulsory.*

Part A

1. Define Motivation and Discuss the Psychological forces, Need, Drives and Motives.

(15 marks)

2. (A) Complete the following :—

   (a) Infancy, Childhood, ————.

   (b) Cognitive domain, ————, Psychomotor domain.

   (c) Law of readiness, Law of effect, ————.

   (d) ————, Mesomorphy, Endomorphy.

   (e) Id, Ego, ————.

   (5 × 1 = 5 marks)

   (B) Match the following :—

   (a) Success   — Wolfgang Kohler.

   (b) Sigmund Freud   — Incentives.

   (c) Insightful Learning — Self Actualization.

   (d) Drives   — Failure.

   (e) Maslow   — Psychoanaytic Theory.

   (5 × 1 = 5 marks)

   (C) Fill in the blanks :

   (a) ———— is the period where child begins to note the difference between the sexes. (Phalic stage)

   (b) The concept of 'Libido' is best forwarded by ————.

   (c) The period between birth and two years is ————.

   (d) Perceiving ideas through sensory organs is called.

   (e) Self-actualization theory developed by ————.

   (5 × 1 = 5 marks)

Turn over

3. Describe the following :—

   (a) Libido.

   (b) Adolescence.

   (c) Personality.

   (3 × 5 = 15 marks)

4. Explain the following :—

   (a) Role of sports in personality development.

   (b) Law of Readiness.

   (c) Insightful learning.

   (3 × 5 = 15 marks)

5. Describe the following :

   (a) Principles of growth and development.

   (b) Maslow's theory of Self Actualization.

   (c) Sports psychology

   (3 × 5 = 15 marks)

Part B

6. Explain Laws of learning, Law of readiness, Law of effect and Law of exercise.

   (15 marks)

7. Write short notes on the following :—

   (a) Factors affecting learning.

   (b) Role of sports in personality development.

   (c) List out theories of learning.

   (3 × 5 = 15 marks)

8. Write very briefly on any *five* of the following :—

   (a) Observation.   (b) Need.

   (c) Transfer of training.   (d) Learning by doing.

   (e) Physical Education.   (f) Guidance and counselling.

   (g) Heredity.   (h) Stimuli and response.

   (5 × 3 = 15 marks)

SECOND YEAR B.PEd. INTEGRATED DEGREE REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper VIII—FOUNDATION OF PHYSICAL EDUCATION

(2013 Syllabus)

Time : Three Hours　　　　　　　　　　　　　　　　　　　Maximum : 75 Marks

Answer any **three** *questions from Part A and* **two** *questions from Part B.*
Question 8 *is* **compulsory.**

Part A

1. Define the term 'Recreation', briefly discuss its need and importance in the modern society.

(1 × 15 = 15 marks)

2. (A) Match the following :—

   (a) Chronological　　　　— Cognitive.

   (b) Anatomical　　　　　— Surplus energy.

   (c) Leisure　　　　　　— Bodily structure.

   (d) Mental　　　　　　— Record of events.

   (e) Play　　　　　　　— Recreation.

(5 × 1 = 5 marks)

   (B) Fill in the blanks :

   (a) Plato is the father of ————.

   (b) Metaphysics is associated with the principle of ————.

   (c) ———— objective is concerned with problem solving abilities.

   (d) Dept. of Youth Welfare and sports is a recreation providing ———— agency.

   (e) "Play is Life" this theory was promoted by ————.

(5 × 1 = 5 marks)

   (C) State whether the following statements are True or False :

   (a) Classical theories of play include recreation.

   (b) Mesomorphs are courageous and clear minded.

   (c) Chronological age refers to the growth and development of the skeletal system.

   (d) Sheldon classified human body into 3 types.

   (e) Genetics do not have any role in making individual differences in human beings.

(5 × 1 = 5 marks)

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3. Briefly explain the following :—

    (a) Naturalism.

    (b) Idealism.

    (c) Pragmatism.

                                                              (3 × 5 = 15 marks)

4. Describe the following :—

    (a) Need and importance of Physical Education in the modern society.

    (b) Problems of an adolescent.

    (c) What you mean the term 'play' ? Briefly explain Surplus Energy theory and Recreational Theory.

                                                              (3 × 5 = 15 marks)

5. Write short notes on :

    (a) Body types and their characteristics.

    (b) Sports for national integration.

    (c) Scope of Physical Education.

                                                              (3 × 5 = 15 marks)

Part B

6. Defne Physical Education. Discuss educational philosophies applied to Physical Education.

                                                             (1 × 15 = 15 marks)

7. Write short notes on :

    (a) Principles of growth and development.

    (b) Qualities of leader.

    (c) Physical Education is an art or a science.

                                                              (3 × 5 = 15 marks)

8. Write short notes on any *five* of the following :—

    (a) Professional preparation in sports managers.

    (b) Explain recapitulation theory of play.

    (c) The significance of theories of play in Physical Education and Sports.

    (d) Heredity and environment.

    (e) Leisure.

    (f) Games and sports as Man's cultural heritage.

    (g) Socialization through sports.

    (h) Recreational activities for differently abled.

SECOND YEAR B.PEd. INTEGRATED DEGREE
REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper VII—PHYSIOLOGY AND PHYSIOLOGY OF EXERCISE

(2013 Syllabus)

Time : Three Hours   Maximum : 75 Marks

Answer any **three** *questions from Part A and* **two** *questions from Part B.*
Question 8 *is* **compulsory.**

Part A

1. Describe in detail the factors affecting strength.   (1 × 15 = 15 marks)

2. Briefly explain the following :—

    (a) Mechanism of respiration.

    (b) Characteristics of muscles.

    (c) Acquisition of skill.

          (3 × 5 = 15 marks)

3. Write short notes on the following :—

    (a) Physiological aspects of warm up.

    (b) Internal respiration.

    (c) Double circulation.

          (3 × 5 = 15 marks)

4. Briefly explain the following :—

    (a) Functions of liver.

    (b) Salivary glands.

    (c) Gall bladder.

          (3 × 5 = 15 marks)

5. Describe the following :—

    (a) Functions of medulla oblongata.

    (b) Ionic and Osmotic regulation.

    (c) Functions of autonomous nervous system.

          (3 × 5 = 15 marks)

Turn over

Part B

6. Explain the effect of exercise on cardiovascular and muscular system.

(1 × 15 = 15 marks)

7. Briefly explain the following :—

    (a)   Metabolism of fat.

    (b)   Catabolism and anabolism.

    (c)   Maintenance of constant body temperature.

(3 × 5 = 15 marks)

8. Write short notes on any *five* of the following :—

    (a)   Muscle tone.   (b)   Chemical changes during extraction.

    (c)   Types of endurance.   (d)   Cerebellum.

    (e)   Reflex action.   (f)   Enzyme.

    (g)   Pulmonary respiration.   (h)   Isolative contraction.

(5 × 3 = 15 marks)

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SECOND YEAR B.PEd. INTEGRATED DEGREE
REGULAR/SUPPLEMENTARY EXAMINATION, APRIL 2021

Paper VI—TEACHING METHODS IN PHYSICAL EDUCATION

(2013 Syllabus)

Time : Three Hours

Maximum : 75 Marks

Answer any **three** *questions from Part A and* **two** *questions from Part B.*
Question 8 *is compulsory.*

Part A

1. Explain in detail the methods of teaching physical actvities. (1 × 15 = 15 marks)

2. (A) Name the following :—

    (a) Height of the Hurdle in 400 m. men Hurdle race.

    (b) Exercise performed with the help of sufficient supply of oxygen is called.

    (c) Shape of basketball.

    (d) Total height of antenna in volleyball.

    (e) Duration of the basketball game.

(5 × 1 = 5 marks)

  (B) Match the following :—

    (a) Circumference of handball (men) — 260—280 gm.

    (b) Weight of the football — 58—60 cm.

    (c) Weight of the volleyball — 65—67 cm.

    (d) Weight of the basketball (men) — 410—450 gm.

    (e) Circumference of volleyball — 567—650 gm.

(5 × 1 = 5 marks)

  (C) Fill in the blanks :

    (a) In 400 m. hurdle race, the distance from start line to first hurdle is ————.

    (b) The height of volleyball post above the ground is ————.

    (c) The number of water jumps in 3000 m. steeple chase is ————.

    (d) Total number of byes for 17 teams in a knock-out tournament is ————.

    (e) Weight of the shuttle cock is ————.

(5 × 1 = 5 marks)

Turn over

3. Explain the following :—

   (a) Presentation technique.

   (b) Method of teaching Calisthenics.

   (c) Audio-visual aids.

   (3 × 5 = 15 marks)

4. Briefly explain the following :—

   (a) Steps in selecting teaching aids.

   (b) Physical activity to the different age group.

   (c) Principles of teaching.

   (3 × 5 = 15 marks)

5. Write short notes on :

   (a) Qualities of an ideal teacher.

   (b) Merits and demerits of knock-out tournaments.

   (c) Lead-up activities.

   (3 × 5 = 15 marks)

Part B

6. How to organize and conduct a state level football tournament in your school. Give details.

   (1 × 15 = 15 marks)

7. Write short notes on :

   (a) Factors influencing methods of teaching.

   (b) Types of class formation.

   (c) Draw a single knock-out fixture of 21 teams.

   (3 × 5 = 15 marks)

8. Write short notes on any *five* of the following :—

   (a) Mass competition.

   (b) Motivation.

   (c) Dimensions of volleyball court.

   (d) Sociological needs.

   (e) Intramural and extramural competitions.

   (f) Time-out in volleyball.

   (g) Sex differences.

   (h) Innovations in teaching.

   (5 × 3 = 15 marks)