Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 22-Feb-2023

Time: Two Hours Max. Marks: 35 Marks

NURSING FOUNDATION
(RS3 & RS4)
Q.P. CODE: 1731

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain the importance of ethics in profession. Describe the ICN code of ethics for nursing.
2. Explain in detail the expanded role of a nurse?

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. Team nursing
4. Types of stress & its management
5. Indian nursing council
6. Write in brief about biomedical waste management.

SHORT ANSWERS 5 x 2 = 10 Marks

7. Four advantages of progressive patient care
8. TNAI
9. Define nursing standards.
10. Tools for assessment
11. Holistic nursing

I Year B.Sc. Nursing (PC) Degree Examination – 10-Mar-2023

CHILD HEALTH NURSING – (RS-3 & RS-4)
Q.P. CODE: 1737
Corrections

Replace Question No. 12 as below :

12. Management of child with Neonatal Jaundice

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 24-Feb-2023

Time: Two Hours | Max. Marks: 35 Marks

NUTRITION AND DIETETICS

(RS3 & RS4)

Q.P. CODE: 1732

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain the various methods of cooking and its effect on nutrients.
2. Explain the nutritional needs of a lactating mother in detail.

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. What are the factors affecting food and nutrition?
4. Explain on supplementary feeding.
5. Define balanced diet. What are the factors you would consider while planning a diet?
6. Explain the advantages and need for School lunch programme in India.

SHORT ANSWERS 5 x 2 = 10 Marks

7. What is caloric value of fat?
8. What are the sources of potassium?
9. Define RDA.
10. What are the functions of Vitamin C.
11. PEM.

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 28-Feb-2023

Time: 3 Hours | Max. Marks: 38 Marks

BIOCHEMISTRY (RS3 & RS4)
Q.P. CODE : 1739
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain the digestion and absorption of proteins.
2. Explain the role of liver in fat metabolism.

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Write a note on Gout.
4. Write any five diagnostic applications of enzymes.
5. Explain the classification of Polysaccharides with examples.
6. Explain the classification of proteins.
7. Mention the sources and disposal methods of biomedical waste.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Name the two essential amino acids.
9. Mention any two functions of Cholesterol.
10. Mention the normal levels of i) Fasting blood glucose ii) Blood creatinine.
11. Rickets.

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 28-Feb-2023

Time: 3 Hours Max. Marks: 37 Marks

BIOPHYSICS - (RS-3 & RS-4)

Q.P. Code: 1740

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 9 = 9 Marks

1. What is a Machine? Explain different types of simple Machines.
2. State Newton's laws of gravitation. Write a note on centre of gravity and specific gravity.

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Explain medicinal uses of Gamma rays.
4. Write a note on regulation of body temperature.
5. Use of Body mechanics in patient care.
6. Noise pollution and its prevention.
7. Draw normal ECG, label its parts.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Explain Voltage. Mention its S.I Unit.
9. Intracranial pressure.
10. SI and CGS units of length and time.
11. Write audible frequency range of human ear.

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 02-Mar-2023

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY - (RS3 & RS4)
Q.P. CODE: 1734

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define perception. Explain the principles of perceptual organization.
2. Define learning. Explain Pavlov's classical conditioning theory of learning.
3. What is motive? Classify motives. Describe in detail about physiological motives.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Define psychology. Briefly explain scope of psychology.
5. Define defence mechanism. Explain any three defence mechanism.
6. Explain the types of attention.
7. Define emotion. Briefly explain characteristics of emotions.
8. Discuss psychoanalytical theory of personality.
9. Describe the factors influencing development of behaviour.
10. Characteristics of a mentally healthy person.
11. Describe the classification of memory with examples.
12. Theories of forgetting.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Types of conflict.
14. Define Trait.
15. List down stages of grief.
16. Significance of nursing in psychology.
17. Define mnemonics. Give examples.
18. Define the term attitudinal change.
19. Illusion and hallucination.
20. List down the psychological needs in old age.
21. Define regression. Give example.
22. Define guidance.

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 06-Mar-2023

Time: Three Hours | Max. Marks: 75

MICROBIOLOGY (RS-3 & RS-4)
Q.P. CODE: 1735

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Describe the pathogenesis, clinical manifestations and laboratory diagnosis of pulmonary tuberculosis. Write a note on BCG
2. Describe the pathogenesis and laboratory diagnosis of Hepatitis B virus
3. Draw a neat labelled diagram of bacterial cell and explain about bacterial spore

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Life cycle of Hook worm
5. Differences between Endotoxins and Exotoxins
6. VDRL test
7. Dermatophytosis
8. Laboratory diagnosis of malaria
9. Define selective and enrichment media. Give two examples each
10. Widal test
11. Microfilaria
12. Gram's staining (Principle, procedure and observation)

SHORT ANSWERS 10 x 2 = 20 Marks

13. Draw immunoglobulin A (IgA)
14. Two methods for detection of bacterial motility
15. Two contribution of Robert Koch
16. Draw Giardia intestinalis
17. Anaerobic media
18. Ascaris egg
19. Mention two bacterial live vaccines
20. Give two examples of DNA viruses
21. Incinerator
22. Two biological vectors

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PB) Degree Examination – 08-Mar-2023

Time: Three Hours Max. Marks: 75 Mar

MATERNAL NURSING (RS-3 & RS-4)
Q.P. CODE: 1736

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Explain in detail the physiological changes during pregnancy

2. a) Define Post Partum Haemorrhage (PPH)
   b) List the causes of PPH
   c) Explain in detail nursing management of PPH

3. a) Define Anemia in Pregnancy
   b) Enlist the causes, symptoms and complications of anemia in pregnancy
   c) Explain the nursing management of anemia in pregnancy

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain in detail nursing management of third stage of labour
5. Explain the steps in Baby Friendly Hospital Initiative (BFHI)
6. Differentiate between term and preterm neonate
7. Explain in detail about physiology of lactation
8. Mention the minor disorders of pregnancy and explain in brief about its management
9. Explain in detail about antenatal care
10. Medical Termination of Pregnancy (MTP)
11. Role of a nurse in infertility management
12. Explain the functions of placenta

SHORT ANSWERS 10 x 2 = 20 Marks

13. Lochia
14. Moro reflex
15. Hyperemesis gravidarum
16. Positive signs of pregnancy
17. Neonatal jaundice
18. List the objectives of safe motherhood
19. List the four advantages of colostrum
20. Mention the types of episiotomy
21. Mention the benefits of vernix caseosa
22. Mention the types of placenta Praevia

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 10-Mar-2023

Time: Three Hours Max. Marks: 75 Marks

CHILD HEALTH NURSING – (RS-3 & RS-4)
Q.P. CODE: 1737

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Master X, 6 year old boy was brought with the history of excessive bleeding from gum and diagnosed with Haemophilia.
   a) List the types of Haemophilia.
   b) Enumerate the clinical features
   c) Explain the nursing management of Master X

2. An infant was brought to the emergency ward with the history of fever and rapid breathing.
   a) Define Pneumonia
   b) List the causes and types of Pneumonia
   c) Explain the nursing management of an infant with Pneumonia

3. Explain the role of nurse in preventive paediatrics.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Kangaroo mother care.
5. Neonatal resuscitation.
6. Management of child with hip dislocation.
7. Hydrocephalus.
8. Rheumatic fever.
9. Describe patent ductus arteriosus.
10. Explain types and management of otitis media.
11. Recent trends in care of children.
12. Management of child with Neonatal Jaundice

SHORT ANSWERS 10 x 2 = 20 Marks

13. Rehabilitation measures for Blind child.
14. Oral Thrush.
15. Thumb sucking.
16. Indications for exchange transfusion.
17. Growth curve.
18. Cold chain.
19. Differences between diarrhoea and dysentery.
20. Rule of nine in burns.
21. List any four disorder of upper respiratory tract infection.
22. Low birth weight baby.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 13-Mar-2023

Time: Three Hours Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING
(RS3 & RS4)
Q.P. CODE: 1738

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Mr. Raju. 55 years is admitted with the diagnosis of acute renal failure.
   a) Explain the causes of acute renal failure
   b) Prepare a nursing care plan for this patient using nursing process based on three prioritized nursing problems
2. Mrs Laxmi is admitted with the diagnosis of angina pectoris
   a) Explain the pathophysiology of angina pectoris
   b) Describe the different types of angina pectoris
   c) Prepare a discharge teaching plan for Mrs. Laxmi
3. Mrs. Neeta is admitted to the ward with foul smelling discharge from the ear and tinnitus and is diagnosed with Chronic Suppurative Otitis media
   a) Classify Otitis media
   b) Briefly explain the medical management of a patient with Chronic Suppurative Otitis media
   c) Explain the nursing management of Mrs. Neeta.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Describe the rehabilitation of patient with laryngectomy.
5. Explain the dietary management of patient with diabetes mellitus.
6. Write briefly about care of unconscious patient.
7. Explain the procedure of cardiopulmonary resuscitation.
8. Describe the roles and responsibilities of a nurse in an intensive care unit.
9. Describe various types of breathing and coughing exercises.
10. Explain the directly observed short course chemotherapy in tuberculosis.
11. Describe stages of fracture healing.
12. Describe the postoperative management of patient with transurethral resection of prostate.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define plasmapheresis
14. Write the meaning of opportunistic infection
15. Define menorrhagia.
16 Classify antihypertensive drugs
17. List the principles of hemodialysis
18. Define immunotherapy.
19. List the indications for pacemaker
20. Define hypoglycemia?
21. Differentiate between skeletal and skin traction
22. Give rationale for advising patient to take large volume of fluids after cystoscopy

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 30-Jun-2023

Time: Two Hours Max. Marks: 35 Marks

NURSING FOUNDATION

(RS 3 & RS 4)

Q.P. CODE: 1731

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain in detail about Bio Medical Waste Management
2. Explain the four concepts in theory of nursing practice

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. List down and explain the objectives and responsibilities of a graduate nurse
4. Explain in detail about the ethical and legal issues in nursing
5. Explain tools for assessment in nursing process
6. Nursing audit

SHORT ANSWERS 5 x 2 = 10 Marks

7. List down the expanded role of nurse
8. Career planning
9. Code of ethics
10. Primary nursing
11. Types of care plans

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 28-Jun-2023

Time: Two Hours | Max. Marks: 35 Marks

NUTRITION AND DIETETICS
(RS3 & RS4)
Q.P. CODE: 1732

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain briefly on current nutritional programmes in India
2. Define Therapeutic Diet. Explain Therapeutic Diet for cardiovascular diseases

SHORT ESSAYS (Answer any Three) 3 x 5 = 15 Marks

3. Protein energy malnutrition
4. Methods of food preservation
5. Supplementary feeding of infants
6. Explain the food standards

SHORT ANSWERS 5 x 2 = 10 Marks

7. Sources of Vitamin C
8. Boiling
9. Macronutrients
10. Beri-Beri
11. Basal Metabolic Rate

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 23-Jun-2023

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY - (RS3 & RS4)
Q.P. CODE: 1734

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define Learning, explain classical conditioning theory of learning
2. Define Perception, list factors affecting perception and explain errors in perception
3. Define Mental Health. Explain characteristics of mentally healthy person.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain types of defence mechanisms
5. Explain Laws of learning
6. Briefly explain Maslow's theory of motivation
7. Discuss the psychological needs of old age
8. What is IQ? How to classify individuals based on IQ?
9. Define forgetting, explain theories of forgetting
10. Explain the sources and types of conflict
11. Discuss the strategies of promotive and preventive mental health
12. Define memory, explain different ways to improve memory

SHORT ANSWERS 10 x 2 = 20 Marks

13. Mention the types of motives
14. Define psychology
15. What is introspection method of psychology?
16. What is chunking and memory peg?
17. Define emotion
18. What is denial?
19. What are the components of attitude?
20. Write merits of observation methods of psychology
21. Define creative thinking
22. Define Reaction formation

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 21-Jun-2023

Time: Three Hours | Max. Marks: 75

MICROBIOLOGY (RS-3 & RS-4)
Q.P. CODE: 1735

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define and classify sterilization. Write about Hot Air Oven. Add a note on CSSD
2. Describe the life cycle, clinical manifestations and laboratory diagnosis of Entamoeba histolytica
3. Describe the pathogenesis and laboratory diagnosis of HIV

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Define culture media and write about transport media with examples
5. Prophylaxis of poliomyelitis
6. Active immunity
7. Explain Kirby – Bauer method of antibiotic sensitivity testing
8. Gas gangrene
9. Candidiasis
10. Gram's staining
11. Enteric fever
12. Biomedical waste management

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define antigens
14. Carriers
15. Two bacteria causing meningitis
16. Two complications of group A streptococcal infections
17. Draw bacterial flagella
18. Draw immunoglobulin M
19. Morphology of Pneumococci
20. Mention two toxins produced by Staphylococcus aureus
21. DPT vaccine
22. Two anaerobic bacteria

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PB) Degree Examination – 19-Jun-2023

Time: Three Hours Max. Marks: 75 Marks

MATERNAL NURSING (RS-3 & RS-4)
Q.P. CODE: 1736

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. a) Define Malposition
   b) Write the causes and management of occipito-posterior position

2. a) Define pre eclampsia
   b) Describe about the causes and clinical features of pre eclampsia
   c) Elaborate the management of pre eclampsia

3. a) Define induction of labour
   b) Explain about indications and methods for induction of labour

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Write about the functions of placenta
5. Describe maternal mortality
6. Explain about the management of tubal pregnancy
7. Write a note on puerperal pyrexia
8. Immediate care of the newborn
9. Enumerate about the management of women with HIV/AIDS
10. Add a detailed note on signs and symptoms of pregnancy
11. Describe about neonatal resuscitation
12. Define postpartum haemorrhage and write the management of third stage hemorrhage

SHORT ANSWERS 10 x 2 = 20 Marks

13. Parts of fallopian tube
14. Types of caesarean section
15. Define vesicular mole
16. List the indications of administration of tocolytic agents
17. Define still birth
18. List the objectives of safe motherhood
19. Write the causes of obstructed labour
20. Bishop's score
21. Define oligohydramnios
22. Moulding

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 16-Jun-2023

Time: Three Hours | Max. Marks: 75 Marks

CHILD HEALTH NURSING
(RS3 & RS4)
Q.P. CODE: 1737

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. a) Define Pneumonia
   b) Classify pneumonia
   c) Explain the nursing management child with Pneumonia in detail

2. a) Define Hydrocephalus
   b) Mention the types Hydrocephalus
   c) Explain the pre and post operative care of child with Hydrocephalus

3. a) Define growth and development
   b) Write the principles of growth and development
   c) Explain prenatal factors influencing growth and development

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain the trends in paediatric nursing.
5. Describe the components and principle of IMNCI.
6. Explain about oxygen administration in children.
7. Classify Leukemia and explain the management.
8. Write the management of Nephrotic syndrome.
9. Explain about Neonatal seizures.
10. Describe the causes and prevention of accidents in children.
11. Write the nursing management of congenital heart defects in children.
12. Explain the causes of precocious puberty.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define Caput Succedaneum.
14. What is meant by Toilet training?
15. List four clinical features of Rickets.
16. Mention the clinical types of Poliomyelitis.
17. What is meant by Intussception?
18. What is Cold chain?
19. Define Infant Mortality Rate.
20. Define Cerebral Palsy.
21. Mention four habit disorders of children.
22. Mention any four needs of infants.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 14-Jun-2023

Time: Three Hours Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING
(RS3 & RS4)
Q.P. CODE: 1738

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Mrs. R. aged 22 yrs has been admitted with 60% Burns of second degree
   a) How do you assess and administer fluid requirements for this patient during the first 48hours?
   b) Discuss the potential problems M Rs. R. May develop and Explain the preventive measures
2. a) Define peptic ulcer
   b) List the risk factors in peptic ulcer & types of surgeries done in peptic ulcer
   c) Identify four Immediate post-operative nursing diagnosis and prepare a nursing care plan
3. a) Define Leukaemia?
   b) List the clinical manifestations of Leukaemia?
   c) Explain the nursing management of a client with Leukaemia?

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Care of a patient on skeletal traction
5. Complications of cirrhosis of liver
6. Side effects of chemotherapy & their management
7. Pathophysiology of congestive cardiac failure
8. Lumbar puncture
9. Drugs used in cardiology
10. Differentiate between Angina pectoris & myocardial infraction
11. Parkinsonism
12. Define & classify arrhythmias

SHORT ANSWERS 10 x 2 = 20 Marks

13. Diabetes Insipidus
14. Hernia
15. Hypoxia
16. Endometriosis
17. Defibrillation
18. Pericarditis
19. Respiratory acidosis-List the causes
20. Hydronephrosis
21. Rhinorrhea
22. Epistaxis

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 26-Jun-2023

Time: 3 Hours | Max. Marks: 38 Marks

BIOCHEMISTRY (RS3 & RS4)
Q.P. CODE : 1739
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. What is enzyme inhibition? Write in detail the types of enzyme inhibition.
2. Describe in detail the structural organization of proteins.

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Applications of enzymes in diagnostics.
4. Glycogenesis.
5. **Explain importance of water & electrolytes in functioning of human body.**
6. Biological importance of lipids.
7. Plasma proteins and their functions.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Hyperglycemia.
9. Mitochondrial matrix.
10. Name two digestive enzymes.
11. Ribosomes.

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 26-Jun-2023

Time: 3 Hours Max. Marks: 37

BIOPHYSICS - (RS3 & RS4)

Q.P. Code: 1740

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 9 = 9 Marks

1. a) What is Lever?
   b) Describe various types of levers with examples
2. Explain Newton's laws of motion with examples

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Discuss physiological effects of heat
4. How body temperature is regulated?
5. Explain the types of light therapy
6. Explain essential parts of an eye with diagram
7. Explain centrifuge and its uses

SHORT ANSWERS 4 x 2 = 8 Marks

8. Write a note on law of conservation of energy
9. Define blood pressure and give its normal value
10. What are isotopes and isobars?
11. What is Traction in medicine?

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