Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 08-Jan-2024

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 the concept primary health care
2. Explain developmental concept of a toddler with examples

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

3. List down and explain the expanded role of nurse
4. Explain with example – "Effect of health and illness in a person"
5. Tools for evaluation in nursing process
6. Nursing standards

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Total quality management
8. Define nursing profession
9. Holistic nursing
10. Types of planning in nursing process
11. Four central concepts of nursing theories

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 16-Jan-2024

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 motivation. Explain the theories of motivation.
2. Define learning. Explain factors affecting learning.
3. Define psychology. Discuss the importance of psychology in nursing.

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

4. **Explain the psychological needs of aged.**
5. Discuss the various methods in psychology.
6. Define attitudes. Explain the development of attitudes.
7. Explain the psychometric assessment of personality.
8. Explain any two theories of learning.
9. Define perception. Explain any two errors of perception.
10. Define defense mechanism. Explain any two with examples.
11. Explain the causes of forgetting.
12. Describe the sources of frustration.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Define mental hygiene.
14. List four uses of psychology in nursing.
    OR
    List down the types of emotions with examples.
15. Define memory.
16. List the stages of grief.
17. Define personality.
18. What is motivation cycle?
19. Define stress.
20. What is meant by superego?
21. Define developmental psychology.
22. How to classify individuals on the basis of IQ?

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 18-Jan-2024

Time: Three Hours **Max. Marks: 75 Marks**

MICROBIOLOGY
(RS3 & RS4)
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. Classify Streptococci. Explain morphology, pathogenesis and **laboratory** diagnosis of **S**treptococc**us** pyogenes.
2. Define culture media. Explain about selective media and differential media.
3. Write **in** detail about cultivation of virus.

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

4. **S**taphylococc**us** aureus.
5. Immunoglobulin
6. Bacterial cell Wall
7. Dry heat method **of sterilization**
8. Dermatophytes.
9. Poliomyelitis.
10. Hypersensitivity **type I**
11. Types of immunity.
12. Bio medical waste.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Draw IgA.
14. What **is** congenital disease. Give two examples.
15. What is biological and mechanical vector? Give example.
16. Write four function**s of** bacterial capsule.
17. Name four hospital **acquired** infection**s**
18. M**a**ntoux test
19. DPT vaccine.
20. Name four **infections caused by** spore containing bacteria
21. **Window period for HIV**
22. Gram staining.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PB) Degree Examination – 22-Jan-2024

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 breech presentation
   b) Explain about the antenatal and intranatal management of breech presentation

2. a) Define preterm labour
   b) Enumerate the causes of preterm labour
   c) Explain the role of a midwife in prevention and management of preterm labour

3. a) Define caesarean section
   b) List the indications of caesarean section
   c) Write nursing care of a caesarean section mother using nursing process

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

4. Physiology of first stage of labour
5. Neonatal jaundice
6. Pregnancy induced hypertension
7. Breast engorgement
8. Explain the types of pelvis
9. Medical termination of pregnancy
10. Write a note on Antenatal Care
11. Partograph
12. Puerperal sepsis

SHORT ANSWERS **10 x 2 = 20 Marks**

13. List the cause of onset of labour
14. List down any four causes of female infertility
15. Write the causes of Neonatal asphyxia
16. Weight gain during pregnancy
17. Define multiple pregnancy
18. What is Homan’s sign?
19. State the components of planned parenthood
20. Types of obstetric shock
21. Write the causes of hyper-emesis gravidarum
22. Define augmentation of labour

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 24-Jan-2024

Time: Three Hours **Max. Marks: 75**

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. a) Differentiate between Growth and Development
   b) Explain the biological, psychosocial, psychosexual and cognitive development of an infant.

2. a) Define Thalassemia
   b) Explain the clinical features and diagnosis of Thalassemia
   c) Write the nursing management of the child with Thalassemia

3. a) Define Tracheoesophageal fistula
   b) Classify the types of Tracheoesophageal fistula
   c) Write pre and post operative care of child with Tracheoesophageal fistula

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

4. **Explain the child's reaction towards hospitalization.**
5. Write the characteristic of preterm infant.
6. **Describe the criteria of a good research problem.**
7. Explain the types and hazards of Restraints.
8. Explain the clinical stages and management of Wilm's tumor.
9. Write in detail about the etiological factors and management of Mental Retardation.
10. Explain the clinical manifestations of Rheumatic Fever.
11. Write the management of iron deficiency anemia in detail.
12. Explain the surgical management of Hydrocephalus.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Define battered baby syndrome.
14. List the objectives of school health service.
15. Name the four live attenuated vaccines.
16. **List down the types of heat loss in neonates**
17. Define Oral Thrush.
18. Define Hirschsprung's disease.
19. List the four clinical features of Kwashiorkor.
20. Name the defects in Tetralogy of Fallot.
21. Mention the types of Handicaps.
22. What is meant by child guidance clinic?

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 10-Jan-2024

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. Kiran, 32 years old auto driver is admitted to Surgery ward with the diagnosis of Acute Appendicitis for further management.
   a) Enumerate on etiology of Appendicitis.
   b) Describe the preoperative considerations that would be performed on Mr. Kiran.
   c) Write the nursing care plan for three-priority Nursing diagnosis in the immediate postoperative phase.

2. a) List the types of Angina.
   b) Explain the pathophysiology and write the medical and nursing management of patient with Angina.

3. a) Define Cerebro Vascular Accident (CVA).
   b) Explain the etiology and clinical manifestations of Right sided CVA.
   c) Discuss the rehabilitation of a patient with Hemiplegia.

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

4. Explain the pathophysiology and surgical management of Otitis media.
5. Describe the nursing management of client with Amputation.
6. Describe the causes and medical management of client with Acute Renal Failure.
7. Explain the clinical manifestations and preventive measures for COPD.
8. List the disorders of Menstruation and explain the management of Dysmenorrhea.
9. Describe the fluid management for 60% of burns.
10. List the treatment modalities available for Cancer and explain about radiation therapy.
11. Describe the infection control protocols a nurse must follow while caring for a HIV Positive client.
12. Describe the management of Iron Deficiency Anemia.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. What is Triage?
14. List the clinical manifestations of Hyperthyroidism.
15. Define Otosclerosis.
16. Differentiate between Emphysema and Empyema.
17. List any four functions of nurse in outpatient department.
18. Name the components of Glasgow Coma Scale.
19. Mention the immediate management after Cardiac Catheterization.
20. What is Vesico Vagina Fistula?
21. Write any four preventive measures for Hepatitis A.
22. Write any two Anti Hypertensive Drugs with their action.

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 12-Jan-2024

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 are enzymes? Give an account of the effect of substrate concentration, pH and temperature on enzyme activity.
2. Describe the regulation of blood glucose levels.

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

3. Urea cycle.
4. Functions and sources of calcium
5. Name ketone bodies. Write about ketogenesis.
6. Write briefly on 'Fluid Mosaic Model' of cell membrane.
7. How are lipids digested and absorbed?

SHORT ANSWERS **4 x 2 = 8 Marks**

8. What is denaturation of protein? Name the forces stabilizing the tertiary structure of proteins.
9. Write normal serum levels of potassium and uric acid.
10. Give example and one function for each
    (a) Heteropolysaccharide
    (b) Steroid
11. Essential fatty acids

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 12-Jan-2024

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. State and explain Newton's laws of motion? List the clinical applications of gravity in nursing.
2. Explain the term current, voltage and resistance. Mention their units and write a note on Ohm's law.

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

3. Principles of Electronics.
4. Uses of radioactive isotopes.
5. MRI and CAT scan.
6. Noise pollution and its prevention.
7. Laws of reflection.

SHORT ANSWERS **4 x 2 = 8 Marks**

8. What are the principles of traction?
9. Define velocity and acceleration.
10. Define electricity and magnetism.
11. What is the normal ocular pressure?

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 25-Jun-2024

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 the steps in nursing process
2. Explain in detail the assessment process of nursing process

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

3. Explain the development of nursing education in India and trends in nursing education
4. Explain how nursing audit is performed in a 200 bedded hospital
5. Discuss progressive patient care
6. Role of council and professional bodies in maintenance of standards

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Cytotoxic drugs
8. Team nursing
9. Solid wastes and its disposal
10. Define metaparadigm
11. Ethical issues in nursing practice

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 27-Jun-2024

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. List the causes of Unconsciousness. Enumerate the complications an unconscious patient may develop. As a nurse how will you prevent these complications.

2. Define and classify Congestive Heart failure. Explain the pathophysiological basis of Signs and symptoms in right sided congestive heart failure. Describe the immediate and long term management of a client with Congestive Heart Failure

3. a) Define the following terminologies:
   i. Pneumothorax
   ii. Haemothorax
   iii. Pleural effusion
   iv. Chronic Bronchitis
   b) Discus the nursing management of a patient with chest tube drainage?

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

4. List the causes of edema and management of patient with fluid overload.
5. What is Aphasia? Describe the management of a client with Aphasia.
6. What is status epilepticus? How will you manage a patient with status epilepticus?
7. What are Thrombolytic agents? List the indications and contraindications for thrombolytic therapy.
8. What is stress test? What is the role of Nurse in conducting stress test?
9. Explain the methods of management of a client with benign Prostatic Hyperplasia.
10. What are the causes and clinical manifestation of Intestinal Obstruction?
11. Explain the management of patient with Diabetic ketoacidosis.
12. Differentiate between Benign and Malignant tumors.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. List the diagnostic measures used in a client with cancer
14. What is rule of Nine?
15. How do you assess the visual acuity of a person?
16. Define Hemophilia
17. What is acute adrenal insufficiency?
18. What is Mantoux test and how it is done?
19. Define Fracture and list the types
20. Mention the Principles of haemodailysis
21. List the Non Pharmacological measures for pain relief
22. Define tracheostomy and list two indications

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 01-Jul-2024

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 psychology. Explain importance of psychology in nursing.
2. Define attention. Write classification of attention. Briefly explain the determinants of attention.
3. Define intelligence. Explain theories of intelligence.

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

4. Explain experimental method of psychology.
5. Define attitudes. Factors influencing formation of attitudes.
6. Explain two theories of emotions.
7. Discuss Freud's theory of psychosexual development.
8. Explain the role of heredity and environment in behaviour development.
9. Explain the nature and types of learning.
10. Define memory. Explain the memory process.
11. Define perception. Organisation of perception.
12. Characteristics of mentally healthy person.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Projective techniques.
14. List down the psychological needs of children.
15. Enumerate the psychological reactions to terminal illness.
16. What are Genes?
17. What is forgetting?
18. Write down four uses of intelligence tests.
19. What is Likert attitude scale?
20. Define mental hygiene.
21. List down the social motives.
22. Define rationalization. Give example.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 03-Jul-2024

Time: Three Hours **Max. Marks: 75 Marks**

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. Discuss in detail National Immunization Schedule.
2. Discuss the pathogenesis and laboratory diagnosis of Syphilis.
3. Enumerate organisms causing Zoonotic diseases. Describe the laboratory diagnosis of Rabies.

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

4. Bacterial growth curve.
5. Name different types of hospital waste and discuss the methods of disposal of hospital waste.
6. Acid fast staining.
7. Discuss the pathogenicity of Clostridium perfringes.
8. Laboratory diagnosis of Leprosy.
9. Q fever.
10. Japanese Encephalitis.
11. Draw a neat labeled diagram of Trophozoite and Cyst of Giardia lamblia.
12. Life cycle of Enterobious vermicularis.

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Enrichment media.
14. Cold sterilization.
15. Non-suppuration infections caused by Streptococcus pyogenes.
16. Tuberculin Test.
17. Bacillary dysentery.
18. Laboratory diagnosis of Covid-19
19. Aspergillosis.
20. Draw a neat labeled diagram of Microfilaria bancrofti.
21. ELISA.
22. Examples of Type III Hypersensitivity.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PB) Degree Examination – 05-Jul-2024

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 Pregnancy
   b) Explain the physiological changes occurring during pregnancy in the reproductive, cardiovascular and gastrointestinal system during pregnancy

2. a) Define cord prolapse
   b) Write the clinical types of cord prolapse
   c) Explain the management of cord prolapse

3. Enumerate about the nursing management of minor disorders of pregnancy

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

4. Explain the essential components of RCH
5. Role of NICU nurse in prevention of infection in the neonatal unit
6. Explain the etiological factors and complications of polyhydramnios
7. Explain about measures for prevention of iron deficiency anaemia during pregnancy
8. Enumerate various pain relief measures during first stage of labour
9. Explain Lochia and its characteristics
10. Draw a neat labelled diagram of uterus and explain its functions
11. Explain the effects of GDM on pregnancy
12. Describe about prevention of mother to child transmission of HIV during labour

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Enumerate the causes of abortion
14. Enlist the cause of puerperal pyrexia
15. Mention classification of LBW babies
16. List indications for oxytocin administration
17. List temporary methods of contraception
18. List the signs of sub involution of uterus
19. Mention signs of placental separation
20. State the components of APGAR
21. Enumerate the possible inference of NST
22. Outline $MgSo_4$ regimen in Eclampsia

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 08-Jul-2024

Time: Three Hours **Max. Marks: 75**

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. Define Anemia. List the types of anemia. Explain in detail the management of a child with anemia
2. Define PEM. Discuss the classification of PEM. Explain the nursing management of a child with PEM
3. Define tetralogy of Fallot. Enlist clinical features and diagnosis of tetralogy of fallot. Enumerate the management of a child with tetralogy of fallot

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

4. Burns in children
5. Management of a neonate with trachea-esophageal fistula
6. National Immunization schedule
7. Describe the factors affecting growth and development
8. Explain the Erikson's theory of psychosocial development in children
9. Nutritional programs for children in India
10. Wilm's tumour
11. Explain the nursing management of a low birth weight baby
12. Role of nurse in care of hospitalized child

SHORT ANSWERS **10 x 2 = 20 Marks**

13. Patent Ductus Arteriosus (PDA)
14. Mental Retardation
15. Otitis Media
16. Difference between Epispadias and Hypospadias
17. Kangaroo Mother Care (KMC)
18. Define Thalassemia
19. Paediatric Nursing
20. Classification of pneumonia in children as per WHO
21. Equipments used for neonatal resuscitation
22. Weaning

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 09 Jul 2024

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. What is menu planning? Explain the steps involved in planning a menu.
2. Classify vitamins. Explain in detail about fat soluble Vitamins.

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

3. Mention the role of nutrition in maintaining health.
4. Explain the therapeutic diet for hypertension.
5. Explain the nutritional problems in India.
6. What is the dietary requirements and functions of Iron?

SHORT ANSWERS **5 x 2 = 10 Marks**

7. How are foods classified?
8. What are the functions of Vitamin A?
9. What are the rich sources of thiamine?
10. What is the energy requirement of a pregnant woman?
11. Role of fibre in the diet.

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 10 JUL 2024

Time: 3 Hours **Max. Marks: 38**

BIOCHEMISTRY (RS-3 & RS-4)
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 factors affecting the enzyme activity. Draw the graph wherever necessary
2. Describe the breakdown of glycogen in the muscle

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

3. Explain the Renin angiotensin mechanism
4. Enumerate the steps involved in urea cycle
5. Describe the importance of phospholipids
6. What are ketone of glucosebodies? How are they formed?
7. Explain the absorption of glucose and factors affecting its absorption

SHORT ANSWERS **4 x 2 = 8 Marks**

8. Hypoglycaemia
9. Inhibitors of electron transport chain
10. Functions of albumin
11. Function of Lipoproteins

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 10 JUL 2024

Time: 3 Hours **Max. Marks: 37**

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. Define simple machines. Describe the types of pulleys and write the applications of pulley in nursing
2. Explain the production of radioactive isotopes. Mention its uses in medicine

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

3. List down the fundamental units and their measurements in physics
4. Explain Intraocular Pressure (IOP) and the factors modifying intraocular pressure. mention normal intraocular pressure and the methods of measuring it
5. Write a note on clinical (mercury) thermometer
6. State and briefly explain Newton's Laws of motion
7. Briefly describe an audiometer and name the types of audiometers

SHORT ANSWERS **4 x 2 = 8 Marks**

8. Write a brief note on myopia and hypermetropia and their corrections
9. What is current? Write the unit of current
10. Write two uses of ultrasonic waves in medical practice
11. Write a short note on pulse oxymeter

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