Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

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. a) Define quality assurance
   b) Explain the methods adopted to maintain quality in hospital
2. a) Define nursing process
   b) Write a nursing care plan for an unconscious patient

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

3. Explain the professional conduct for nurses.
4. Explain the concept of health & illness.
5. Describe primary nursing.
6. Explain the importance of records and reports in the hospital.

SHORT ANSWERS — 5 x 2 = 10 Marks

7. List the types of hospital wastes
8. List any four ethical principles in nursing.
9. List the four basic metaparadigm concepts in nursing
10. Mention any four methods of stress adaptation
11. State the needs of a toddler

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

Time: Two Hours | Max. Marks: 35 Marks

NUTRITION AND DIETETICS (RS–3 & RS-4)

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. a) What are micronutrients?
   b) Explain the sources, functions and deficiency of Vitamin A. (2+8)
2. a) List the nutritional problems in India.
   b) Describe the various national nutritional programmes. (2+8)

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

3. Supplementary feeding of infants
4. Plan a diet menu for preschool child
5. Methods of assessing nutritional status of an individual
6. Food preservation

SHORT ANSWERS 5 x 2 = 10 Marks

7. RDA for lactating mother
8. Define Weaning.
9. Macronutrients
10. Broiling
11. Beri-beri

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY (RS–3 & RS-4)

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 the experimental method with its merits and demerits. (2+8)
2. Define ‘Perception’. Explain the characteristics of Perception. (2+8)
3. What is ‘Motivation’? Explain the Social motives. (3+7)

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

4. How emotions are expressed?
5. What are the psychological needs of children?
6. What are the causes of forgetting?
7. Explain the types of intelligence tests.
8. What are the principles of learning?
9. Nature of memory
10. How attitudes develop?
11. What are the characteristics of mentally healthy person?
12. Explain the scope of psychology.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Applied psychology
14. Sense organs
15. Frustration
16. Introvert
17. Types of chromosomes
18. Concept of IQ
19. Verbal learning
20. Types of memory
21. Types of conflicts
22. Self actualization

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – April 2017

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. Classify Mycobacteria, Describe the laboratory diagnosis of pulmonary tuberculosis and add a note on RNTCP
2. Define viruses. Classify viruses. Write in detail about cultivation of viruses.
3. Define sterilization. Mention different physical methods of sterilization. Explain in detail about autoclaving

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

4. Candida albicans
5. Hepatits A
6. Bacterial flagella
7. Gram's staining – principle and procedure
8. Innate immunity
9. Taenia solium – life cycle, clinical features and laboratory diagnosis
10. Laboratory diagnosis of Typhoid fever
11. Trichomonas vaginalis
12. Type IV Hypersensitivity

SHORT ANSWERS 10 x 2 = 20 Marks

13. Write any two Enrichment media
14. Test for HIV
15. Mention any two gaseous disinfectants
16. Name any two bacteria causing food borne illness
17. Tyndalization
18. What is passive immunity
19. Name the antibodies
20. Define vaccine
21. Name any two Rabies vaccines
22. Mention any two zoonotic diseases

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

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 Fertilization.
   b) Describe foetal development in detail.
2. a) Define Neonatal jaundice.
   b) Enumerate the causes and clinical features of neonatal jaundice.
   c) Explain the treatment modalities of neonatal jaundice.
3. a) Define Shoulder Dystocia.
   b) What are the predisposing factors of shoulder dystocia?
   c) Explain the management of shoulder dystocia.

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

4. Explain the causes and management of Amniotic fluid embolism.
5. Describe Assisted Reproductive techniques for infertility.
6. Explain National family welfare programmes.
7. Enumerate the types and clinical features of fibroid uterus.
8. Describe the management of perineal tear.
9. Discuss the antenatal management of mother with HIV
10. Explain the National Immunization Schedule
11. Write in detail the diagnosis and management of Deep vein thrombosis in pregnancy.
12. Explain the diagnostic features and procedures to confirm pregnancy.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define Attitude.
14. Define ovulation.
15. What are the functions of Amnion?
16. Outline the APGAR score.
17. Define Episiotomy.
18. Define Involution.
19. What is Symmetrical IUGR?
20. Define Vasectomy.
21. Define Contracted pelvis.
22. What do you mean by Quickening?

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – April 2017

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. Describe the nursing management of low birth weight babies
2. Enlist the types and clinical features of meningitis in children. Write the Nursing management of child with meningitis
3. Enumerate the Recent trends in paediatric care

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

4. Explain O_2 administration in children
5. Describe Erickson's stages of development
6. Explain prevention of accidents in children
7. Illustrate the nursing management of Tracheo-esophageal fistula
8. Explain the nursing management of dehydration in children.
9. Write the management of rheumatic fever
10. Explain APGAR scoring
11. Write the nursing care of a child with hemophilia
12. Explain the pathophysiology and clinical features of glomerulo nephritis

SHORT ANSWERS 10 x 2 = 20 Marks

13. Write the meaning of Moro reflex
14. Define Hypospadias
15. State the meaning of Complimentary feeding
16. Classify burns.
17. Mention the clinical features of measles.
18. Write the purposes of Mummy restraints
19. Define club foot
20. Differentiate between Enuresis and Encopresis
21. Write the objectives of ICDS
22. List two principles of growth and development

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – April 2017

Time: Three Hours | Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING
(RS–3 & RS-4)
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. Rajesh, a 68yrs old man with diagnosis of hypertension is admitted in the medical ward.
   a) Discuss the factors leading to hypertension.
   b) Enlist the complications and frame discharge protocol for prevention of complications due to hypertension.
2. a) Define anemia.
   b) List the causes of anemia.
   c) Discuss medical and nursing management of iron deficiency anemia.
3. Mrs. Ravi, is admitted to surgical ward with a diagnosis of intestinal obstruction.
   a) Explain the causes of intestinal obstruction.
   b) Discuss the pre and post operative nursing management of Mrs. Rani who is posted for laparotomy.

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

4. Nurses responsibility in blood transfusion
5. Postural drainage
6. Incontinence
7. Aneurysm
8. Cosmetic surgery
9. Surgical approaches to prostectomy
10. Define aphasia. List the types of aphasia.
11. Nurses role in chemotherapy
12. Defibrillation

SHORT ANSWERS 10 x 2 = 20 Marks

13. Hemiplegia
14. Pulse oxymetry
15. Intravenous pyelogram
16. Breathing exercises
17. Normal ECG
18. Post mastectomy exercise
19. Inj streptokinase
20. Hemodialysis
21. Birth control pills
22. Stomatitis

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 38 Marks

Biochemistry

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. Describe TCA cycle. indicate the energy yielding steps in this cycle, how is this regulated.
2. Describe ketone bodies metabolism. Add a note on ketosis.

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

3. Describe water balance in human body.
4. Classify enzymes with suitable examples.
5. Plasma proteins and their functions
6. Digestion and adsorption of lipids
7. Urea cycle

SHORT ANSWERS 4 x 2 = 8 Marks

8. Name two phospholipids and mention their function.
9. Benedict's test
10. Essential amino acids
11. Hypoglycemia

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I year B.Sc. Nursing (PC) Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 37 Marks

Biophysics

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 centre of gravity? Explain the application of gravity in nursing
2. Write notes on CAT scanning and MRI scanning

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

3. Define fundamental and derived units give examples
4. Explain the inclined plane
5. Write a neat diagram of the human eye and indicate the focusing elements
6. What is occuler pressure? How IOP is measured
7. Explain how X – rays are produced

SHORT ANSWERS 4 x 2 = 8 Marks

8. Distinguish between mass and weight
9. Define force and write its units
10. What is defibrillation
11. What are isotopes and isobars

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – SEP-2017

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. a) Define Nursing Process.
   b) Explain the five steps of Nursing Process.
   c) Discuss on planning step of Nursing process.
2. a) Define stress.
   b) Enumerate factors influencing stress along with stress adaptation models.

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

3. Explain ICN Code of ethics.
4. Development of Nursing Education in India
5. Write about Nursing audit.
6. Explain about Team Nursing.

SHORT ANSWERS 5 x 2 = 10 Marks

7. Disposal of sharps
8. Define Nursing.
9. What are the factors influencing Health?
10. List the Problems of old age.
11. Qualities of professional nurse

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I Year B.Sc. Nursing (PC) Degree Examination – SEP-2017

Time: Two Hours Max. Marks: 35 Marks

NUTRITION AND DIETETICS
(RS–3 & RS-4)
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. Define balanced diet. Discuss the factors to be considered while planning a balanced diet. Plan a dya's menu for a pregnant mother keeping in mind the nutritional needs. (2+3+5)
2. Define Malnutritional. Describe the signs and symptoms of malnutritional. Discuss in detail the nutritional management of a toddler with malnutritional. (2+3+5)

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

3. Describe the therapeutic diet in Diabetes mellitus.
4. Explain the nutritional requirements in feeding normal infants
5. List the methods of nutrition education and explain the role of nurse in nutrition education.
6. Describe the nutritional needs of the elderly.

SHORT ANSWERS 5 x 2 = 10 Marks

7. List the methods of food preservation.
8. Define Bitot Spots.
9. Define Pasteurization.
10. List any 4 current nutritional problems in India.
11. List the direct methods of assessing nutritional status.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – SEP-2017

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY
(RS–3 & RS-4)
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 the scope and methods of psychology
2. What is a Motive? Explain biological and Social Motives in detail.
3. Define learning? Explain theory of operant conditioning in detail.

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

4. Introspection method
5. Factors influencing attention
6. Conflicts
7. Emotions in sickness
8. Constituents of personality
9. Psychological needs of aged people
10. Significance of individual differences
11. Measurement of intelligence
12. Characteristics of perception

SHORT ANSWERS 10 x 2 = 20 Marks

13. Survey method
14. Illusion
15. Frustration
16. Introvert
17. Heredity
18. Law of use and disuse
19. Amnesia
20. Attitude
21. Mental hygiene
22. Rationalization

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – OCT - 2017

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. Describe the pathogenesis, clinical features and laboratory diagnosis of enteric fever
2. Describe the morphology, pathogenesis and laboratory diagnosis of Entamoeba histolytica
3. Define immunity classify immunity write in detail about innate immunity

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

4. Viral multiplication
5. Differential media with examples
6. Types IV hypersensitivity
7. Bacterial filters
8. VDRL test
9. Life cycle of Ascaris lumbricoides
10. Acid – fast staining
11. Prophylaxis of Rabies
12. Lab diagnosis of pulmonary tuberculosis

SHORT ANSWERS 10 x 2 = 20 Marks

13. Draw a neat labelled diagram of HIV virus
14. Mention any two RNA viruses
15. Name 2 gram positive and 2 gram negative bacteria
16. Name the antibodies
17. MMR vaccine
18. Name any two wound infection causing bacteria
19. Mention any two bacterial sexually transmitted diseases
20. Draw a neat labelled diagram of Giardia intestinalis
21. Mention any two urinary tract infections causing bacteria
22. Name any two viral sexually transmitted diseases

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – OCT-2017

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. Mrs. Leela is 28years old primigravida, admitted to hospital with 32week of gestation and diagnosed as pre-eclampsia.
   a) Define pre-eclampsia
   b) Describe the medical and nursing management of pre-eclampsia. (2+8)
2. Enlist the causes of anaemia during pregnancy and describe the management of Iron Deficiency Anaemia.
3. List the causes of onset of labour and describe the management of first stage of labour.

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

4. Explain about Episiotomy.
5. Describe the methods of placental expulsion.
6. List the causes of infertility in female.
7. Write briefly the causes of PPH.
8. Describe on antepartum haemorrhage
9. Plan a diet for a pregnant mother with 24 weeks of gestation.
10. Describe the clinical features and management of a patient with amniotic fluid embolism.
11. Describe the physiology of lactation.
12. What is the role of nurse in family welfare programme?

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define safe motherhood.
14. Mention four indications for induction of labour.
15. Define small for dates.
16. Define essential newborn care.
17. List four obstetrical emergencies.
18. Define engagement.
19. State the meaning of unwed mother
20. What is exclusive breast feeding?
21. List four aims of antenatal care.
22. Differentiate between cephal hematoma and caput succedaneum.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – OCT-2017

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. a) Define Growth and development.
   b) List the principles of Growth and development.
   c) Explain the factors affecting Growth and development.
2. A 7 year old boy admitted in the pediatric ward with diagnosis of bronchial asthma.
   a) Define Bronchial asthma.
   b) List the clinical manifestations of bronchial asthma.
   c) Explain the medical and nursing management of bronchial asthma.
3. a) Define anemia.
   b) Classify anemia.
   c) Explain the medical and nursing management of anemia.

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

4. Explain the gross motor development of an infant.
5. Describe Normal Newborn care
6. Write the nursing management of Leukemia.
7. Explain Immunization schedule.
8. Illustrate the nursing management of burns.
9. Explain the management of Juvenile diabetes mellitus.
10. Explain the nurse's role in prevention of upper respiratory tract infections in children.
11. Explain the stages of Wilm's tumour and the management.
12. Describe the prevention of infection in nursery.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define Hip dislocation.
14. State the meaning of Thalassemia.
15. Define Hypospadias.
16. Difference between diarrhea and dysentery.
17. State the Value of play.
18. Write the meaning of Colostomy irrigation.
19. Define Exchange transfusion and mention its indications.
20. Define Drowning.
21. Mention the preventive measures of Scabies.
22. List the signs and symptoms of hydrocephalus.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – OCT 2017

Time: Three Hours | Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING (RS–3 & RS-4)

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. a) Discuss on classification of cancer based on TNM system.
   b) Enumerate the difference between Benign and Malignant tumours.
   c) Explain in detail on various treatment modalities used in cancer.
2. a) Define and state the types of renal calculi.
   b) Discuss the surgical and non-surgical treatment modalities of renal calculi.
   c) Explain the complications of renal calculi.
3. Mr. Ravi 53 years old came to the hospital with the history of cough, moderate fever and loss of weight.
   a) Enumerate the pathophysiological changes of pulmonary tuberculosis with clinical features.
   b) Discuss on management of Pulmonary tuberculosis.
   c) Explain the nurse's role in educating the patient on home management of pulmonary tuberculosis.

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

4. Diabetes mellitus
5. Amputation
6. Radiotherapy and its safety precautions
7. Thyroid crisis and its management
8. Hemophilia and its management
9. Classification of burns
10. Surgical approaches used in treating cataract
11. Bone marrow transplantation
12. Portal hypertension

SHORT ANSWERS 10 x 2 = 20 Marks

13. Unconsciousness
14. Cardiac arrhythmias
15. Chemotherapy
16. Atropine
17. Blood transfusion
18. Cholecystitis
19. Pulmonary embolism
20. Intensive Care Unit
21. Peritoneal Dialysis
22. Status epilepticus

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – SEP-2017

Time: 3 Hours | Max. Marks: 38 Marks

Biochemistry

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. Describe pentosephosphate pathway. Add a note on its significance.
2. Describe β-oxidation reaction of palmitic acid. Add a note on its energetics.

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

3. Pellagra
4. Classification and functions of lipoproteins
5. Different structural organization of proteins
6. Polysaccharides
7. Glucose Tolerance Test (GTT).

SHORT ANSWERS 4 x 2 = 8 Marks

8. Protein denaturation
9. Benedict's test
10. Cori cycle
11. Normal levels of, a) Bilirubin b) Uric acid

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I year B.Sc. Nursing (PC) Degree Examination – SEP-2017

Time: 3 Hours | Max. Marks: 37 Marks

Biophysics

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 the laws of reflection. What is refraction of light and what is the refractive index of glass. Write a note on photo therapy in medial practice.
2. What are X-rays? How are they produced? What are the properties and uses of X-rays in medial practice?

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

3. Explain the principle, construction and working of an autoclave.
4. What are the applications of gravity in Nursing?
5. What are the defects of vision? How are they corrected?
6. Define Ohm's law and explain.
7. Name any 2 properties of radio isotope and their application in medical practice.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Write the units of force in CGS system and MKS system.
9. Explain Newton's second law of motion with example.
10. Give any two uses of ultrasound.
11. List different types of heat transfer mechanism.

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