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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination - Aug / Sept 2009

**Time: Two Hours** **Max. Marks: 35 Marks**

## NUTRITION AND DIETETICS
(Revised Scheme 3)

## 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) Mention the nutritional problems in India
   b) Discuss the current National nutritional programmes in detail
2. Explain the methods of meeting the nutritional needs of a pregnant women

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

3. Weaning
4. Protein energy malnutrition
5. Supplementary feeding
6. Dietary needs of patients with fever

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

7. Balanced diet
8. Rickets
9. Iron rich vegetarian food
10. Energy requirements in lactation period
11. Essential amino acids

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination Aug / Sept 2009

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

## PSYCHOLOGY
## (Revised Scheme 3)
## 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. What is memory? What are the types of memory? Methods of improving memory
2. Explain the mechanism of heredity and environment. How they are responsible in causing individual differences in health and sickness?
3. Define learning. What are the conditions of learning

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

4. Explain the causes of morbid forgetting
5. What are the characteristics of a well adjusted person
6. Characteristics of perception
7. What is questionnaire method. Discuss the advantages and disadvantages of this method
8. How does psychology help a student nurse
9. What is emotion. Name of the major emotions. And explain it in brief
10. Behaviour and its dynamics
11. Personality and the nurse
12. Nature and nature controversy

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

13. Inhibition in forgetting
14. Who proposed the concept of mental age and intelligence quotients
15. Mentally superior
16. Attitude
17. Para psychology
18. Memory traces
19. Mental hygiene in childhood
20. Primary drives
21. Psycho physiological disorder
22. Distraction of attention

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination Aug / Sept 2009

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

## MICROBIOLOGY
## (Revised Scheme 3)

## 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 immunity. Describe in detail active immunity
2. Mention the sources of infection and give an account of hospital infection and prevention
3. Write causative agents of sexually transmitted diseases. Describe the morphology and laboratory diagnosis of gonococal infections

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

4. Incineration
5. Elisa
6. Type I hypersensitivity
7. Robertson cooked meat medium
8. Bacillary dysentery
9. Food poisoning
10. Candida albicans
11. Trichomonas infections
12. L.J medium

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

13. Steps in grams staining
14. Name four enriched media
15. Draw pinworm ova
16. Name two methods of antibiotic sensitivity testing
17. Draw immunoglobulin G
18. Tyndalisation
19. Classify hypersensitivity reactions
20. Name fungal infections of skin
21. Name two methods of pasteurization
22. Name four selective medias

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Aug / Sept 2009

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

## MATERNAL NURSING
## (Revised Scheme 3)
## 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 foetal circulation
2. Explain in detail the physiology of normal labour
3. Discuss about intra uterine development

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

4. Causes of pre-eclamptic toxemia of pregnancy
5. Differentiate the term baby and pre-term baby
6. Stages of labour
7. High risk pregnancy
8. Baby friendly hospital initiative
9. Lochia
10. Genetic counscelling
11. Ante natal nutrition
12. Care of pre mature infants

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

13. Fertilization
14. Female pelvis
15. Maternal services
16. Newborn reflexes
17. Positive signs of pregnancy
18. Aims of prenatal care
19. Four indications for doing amniocentesis
20. Neonatal jaundice
21. Lightening
22. menopause

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Aug / Sept 2009

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

## CHILD HEALTH NURSING
## (Revised Scheme 3)
## 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 two year child is admitted to the PICU with a bacterial meningitis
   a) List the causes b) Mention the clinical features c) Discuss the care of this child
2. Discuss the role of a pediatric nurse in caring a child at terminal stage of illness
3. Explain the care of an adolescent with juvenile diabetes mellitus

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

4. Neonatal resuscitation
5. Care of a child following colostomy
6. Patent ductus arteriosus
7. Therapeutic environment to the hospitalized child
8. ICDS programme
9. Restraints in children – types, uses and precautions
10. Eriksons stages of development
11. Effects of air pollution in children
12. Types of fracture

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

13. Hip dislocation in neonate
14. Difference between marasmus and kwashiorkar
15. Difference between bronchitis and broncheolitis
16. Nosocomial infection
17. Associative play
18. BCG
19. Two causes of accidents in toddlers
20. Behavioural disorders in school children
21. Infant mortality rate
22. Cardinal signs of rheumatic heart disease

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Aug / Sept 2009

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

## MEDICAL SURGICAL NURSING
## (Revised Scheme 3)
## 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. Sabeena is admitted in medical ward with the diagnosis of AIDS (Acquired Immuno Deficiency Syndrome)
   a) List clinical features of AIDS
   b) How do you protect yourself against AIDS?
2. Mr. Ifran is admitted in medical intensive care unit with the diagnosis of myeloid leukemia
   a) List the clinical features of myeloid leukemia
   b) Write in detail about nursing care to Mr. Ifran
3. Mrs. Kantha is admitted in surgical ward for repair of V V F (Vesico Veginal Fistula)
   a) List the clinical features of VVF
   b) Write in detail pre and post operative care of Kantha

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

4. Herpes zoster
5. Cardiac arrest
6. Peptic ulcer
7. End stage renal disease
8. Colitis
9. Pleural effusion
10. Hypophysectomy
11. Prolapsed disc
12. Amputation

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

13. Pheochromacytoma
14. Cardiac tamponade
15. Intractable pain
16. Fissure in ANO
17. Prosthesis
18. Hernia
19. Anasarca
20. Infarction
21. Seizure
22. Tetany

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination - Aug / Sept 2009

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

## BIOCHEMISTRY & BIOPHYSICS (RS - 3)

## Q.P. CODE: 1739& 1740

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

**Use separate answer books for section A and section B**

### Q.P. Code: 1739 – Section A – BIOCHEMISTRY (38 Marks)

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

1. Describe the regulatory mechanism of water balance and abnormalities associated with it
2. Describe the classification of carbohydrates with examples

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

3. Differences between glycogen and starch
4. Post translational modifications in proteins
5. Gluconeogenisis and its regulation
6. Structure and functions of t-RNA
7. Diagnostically important enzymes

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

8. Components of the fatty acid synthase complex
9. Essential aminoacids
10. Two functions of lipoproteins
11. Normal levels of a) Uric acid and b) Calcium in blood

### Q.P. Code: 1740 – Section B – BIOPHYSICS (37 Marks)

Use separate answer book

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

1. State Coulomb's inverse square law. What is meant by electric potential and potential difference? Write a note on resting potential and action potential
2. What is meant by resistance, effort and efficiency of a machine? Explain the different kinds of simple machine

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

3. Explain duality of light. Define frequency, amplitude, velocity and wave length of a light wave
4. Explain the terms velocity and acceleration
5. Write a note on astigmatism and cataract
6. What is relative humidity? Explain regulation of body temperature
7. Write a note tomography

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

8. Write the different isotopes of uranium and hydrogen
9. Define commercial unit of electrical energy
10. Give one example for potential energy and kinetic energy
11. Define Work

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

**Time: Two Hours** **Max. Marks: 35 Marks**

## NURSING FOUNDATION
(Revised Scheme 3)

## 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. Define Health. Changing concepts of health in detail nursing as a profession **(1+4+5)**
2. Explain Bio Medical waste management and role of nurse in depth

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

3. Total quality management
4. Nursing audit
5. Functions of SNA
6. Types of Records and Reports

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

7. Coping mechanism
8. Nurse specialist
9. Check list
10. PHC
11. Types of environment

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

**Time: Two Hours** **Max. Marks: 35 Marks**

## NUTRITION AND DIETETICS
(Revised Scheme 3)

## 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) Discuss on Therapeutic diet b) Explain the dietary management of peptic ulcer
2. a) What are water soluble vitamins b) Explain Vitamin C in detail

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

3. Functions of Carbohydrates
4. Proteins
5. Division of nutrients
6. Factors considered in planning therapeutic diet

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

7. Riboflavin
8. Methods of cooking
9. Milk hygiene
10. Fluid diet
11. Diet in fever

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# Rajiv Gandhi University of Health Sciences, Karnataka

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First year B.Sc. Nursing (PC) Degree Examination - March 2009

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

## PSYCHOLOGY
## (Revised Scheme 3)
## 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. Discuss the role of heredity and environment in the development of human behavior
2. Define forgetting? Explain theories of forgetting
3. Define problem solving? Explain scientific steps involved in problem solving

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

4. Bring out the difference between biological and social motives
5. Discuss perceptual disturbances
6. Explain factors influencing perception
7. Discuss Erickson's theory of personality
8. Describe operant conditioning by Skinner
9. What is forgetting? How can it be minimized
10. Theories of intelligence
11. Define creative thinking? Discuss stages of creative thinking
12. Importance of individual differences in the field of nursing

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

13. Structuralism
14. What is contributed by environment
15. Meaning of Attitude
16. Steps of Evaluation
17. Measurement of emotions
18. Social motives
19. Conflicts
20. Eysenk's theory of personality
21. Measurement of memory
22. Questionnaire method

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

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

## MICROBIOLOGY
## (Revised Scheme 3)
## 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 morphology, life cycle and laboratory diagnosis of entamoeba histolytica
2. Classify mycobacteria. Write its laboratory diagnosis and add a note on RNTCP
3. Classify streptococci, pathogenicity and laboratory diagnosis ofinfections caused by group B streptococci

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

4. Flagella
5. Enriched media
6. Fumigation
7. Autoclave
8. Laboratory diagnosis of corynebacterium diphtheriae
9. Bacterial toxins
10. Passive immunity
11. Agglutination test
12. Acid fast staining

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

13. Name two transport media
14. Name two capsulated bacteria
15. What is immunization
16. Name four malarial parasites
17. Tuberculin test
18. Describe ascaris ova
19. Name gases used in sterilization
20. Name bacteria causing urinary tract infection
21. Name two arbo viruses
22. Methods of bacterial motility testing

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

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

## MATERNAL NURSING
## (Revised Scheme 3)
## 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) List the aims of antenatal care
   b) List the activities of an antenatal clinic
   c) Describe an account of the antenatal care you will give to a primi gravida mother of 24 weeks gestation with a Hb level of 8 gm% on her first visit
2. a) List the functions of mature placenta
   b) Discuss the mechanism of placental separation
3. a) Define puerperium
   b) Explain the physiological changes during puerperium

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

4. Minor disorder of pregnancy
5. Foetal circulation
6. Physiology of lactation
7. Asphyxia neonatorum
8. Immediate care of newborn
9. Properties and components of breast milk
10. Causes of neonatal convulsions
11. Domicilary midwifery
12. Physiology of menstrual cycle

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

13. Colostrum
14. Trophoblast
15. Types of pelvis
16. Apgar score
17. Four functions of amniotic fluid
18. Define birth asphyxia
19. Post partum blues
20. Pelvic diameters
21. Episiotomy
22. Cephal haematoma

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

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

## CHILD HEALTH NURSING
## (Revised Scheme 3)

## 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) Write down the classification of anemia
   b) List down the clinical feature of anemia
   c) Discuss in detail the nursing care plan of child with anemia
2. Discuss the growth and development of a toddler
3. Trust vs mistrust explain

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

4. Discuss the causes for child mortality & morbidity rates
5. Types of protein energy malnutrition with the clinical features
6. Nursing care of a child during lumbar puncture
7. Hydrocephalus
8. Role of a nurse in care of hospitalized child
9. Hazards of oxygen administration
10. Exchange blood transfusion
11. Tetanus
12. Nutritional needs of infants

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

13. Differences between caput saccedanium & cephalohematoma
14. Reflexes of a newborn
15. Needs of a toddler
16. Classification of leukemia
17. Down's syndrome
18. Impetigo
19. Classification of dehydration
20. Colostrum
21. Exclusive breast feeding
22. Tuberculin test

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

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

## MEDICAL SURGICAL NURSING
## (Revised Scheme 3)
## 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 , a 62 year old man is admitted to the urology ward with diagnosis of benign prostatic hypertrophy (BPH) to be posted for surgery
   a) What are the clinical manifestations of BPH?
   b) Discuss the pre and post-operative nursing management of Mr. Raju who is posted for TURP
2. Mrs. Leela, a 50 year old woman is admitted to the surgical ward with diagnosis of intestinal obstruction
   a) Explain the causes of intestinal obstruction
   b) Discuss the pre and post-operative nursing management of Mrs. Leela who is posted for laparotomy
3. a) What are the causes of chronic laryngitis?
   b) Discuss the complications of chronic laryngitis
   c) Explain the role of nurse in caring of a patient who has undergone total laryngectomy.

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

4. CVP monitoring
5. Role of a nurse in chemotherapy
6. Tetralogy of fallot
7. Bronchoscopy
8. Prosthesis
9. Ulcerative colitis
10. Anti-epileptic drugs
11. AIDS
12. Nurses responsibilities in blood transfusion

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

13. Diarrhea and dysentery
14. Addison's disease
15. Portal hypertension
16. Recto-vaginal fistula
17. Causes of blindness
18. Endoscopy
19. Features of emphysema
20. Prevention of conjunctivitis
21. Filariasis
22. Diet management in Typhoid

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# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March 2009

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

## BIOCHEMISTRY & BIOPHYSICS (RS - 3)

## Q.P. CODE: 1739& 1740

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

**Use separate answer books for section A and section B**

### Q.P. Code: 1739 – Section A – BIOCHEMISTRY (38 Marks)

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

1. Describe the HMP shunt and give its significance
2. Explain the β – oxidation of palmitic acid. Add a note of its energetics

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

3. Fatty liver and its prevention
4. Digestion and absorption proteins
5. Phospholipids
6. t-RNA and its functions
7. Coris cycle

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

8. Name two glycogen storage disorders and the enzyme deficient in them
9. Normal levels of a) Sodium b) Potassium in blood
10. Essential aminoacids
11. Functions of bile salts

### Q.P. Code: 1740 – Section B – BIOPHYSICS (37 Marks)

**Use separate answer book**

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

1. State and explain the laws of reflection and refraction. What is myopia and hyperopia? How are they caused and corrected?
2. What is meant by electric current and electric voltage? Explain the different sources and effects of electric current

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

3. Write a note EEG and EMG
4. Explain Bohr's Atomic Model
5. List the properties of thermal radiation
6. Explain the uses of light in therapy?
7. What is a physical quantity? What are fundamental and derived units?

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

8. What is meant by least count of an instrument?
9. Define efficiency of heat engine
10. Distinguish between mechanical and non mechanical wave
11. State Pascal's law

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