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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

ANATOMY (Revised Scheme)

Q.P. CODE: 1676

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. Name the parts of respiratory tract and describe lungs in detail with applied aspects
2. Name the parts of the central nervous system and describe the cerebral hemisphere with blood supply and applied aspects
3. Describe the Esophagus in detail

SHORT ESSAYS **8 x 5 = 40 Marks**

4. Nasal cavity
5. Femoral artery and its branches
6. Urinary bladder
7. Salivary glands
8. Radial nerve
9. Synovial joints
10. The diaphragm
11. Portal vein

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

12. How is superior venacava formed and where does it terminate?
13. Name the bones forming the thoracic cage
14. Name the ossicles of the middle ear and their functions
15. Name the muscles of the mastication and their nerve supply
16. Name the parts of the pancreas and its blood supply
17. Where is spleen located and give its four important functions?
18. Give the branches of the abdominal aorta
19. Name the parts of the autonomic nervous system and their functions
20. How many spinal nerves are there? Give their number region wise and their functional components
21. Give the origin and termination of the thoracic duct and the area drained by it

Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

PHYSIOLOGY & BIOCHEMISTRY - (Revised Scheme)

Q.P. CODE: 1677 & 1678

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: 1677 – Section A – PHYSIOLOGY (40 Marks)

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

1. What is meant by Erythropoiesis? What are the different stages of Erythropoiesis? And what are the factors necessary for Erythropoiesis
2. Mention the names of salivary glands and what is the composition and functions of salivary juice

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

3. Mention any two bleeding disorders and explain any one of them
4. Surfactant
5. Describe the conducting system of the heart
6. Explain a reflex arc with the help of a diagram
7. Explain nerve supply to urinary bladder. Add a note on micturition reflex

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

8. Name functions of Rods and Cones
9. Explain negative feed back mechanism with the help of a example
10. Mention the primary organ of sex in male and female
11. Name the muscle proteins
12. List the functions of nasal cavity

Q.P. Code: 1678 – Section B – BIOCHEMISTRY (40 Marks)

Use separate answer book

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

1. Krebs citric acid cycle is the final common pathway of metabolism. Justify the statement, describe the cycle
2. Give the sources, functions, deficiency manifestations and requirement of vitamin C

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

3. Name the ketone bodies. Give their formation and fate
4. Describe the digestion of proteins. How are the amino acids absorbed?
5. Outline the β-oxidation of fatty acids. Give the energy formed from oxidation of palmitic acid
6. What are transaminases? Give the reactions and clinical applications
7. Role of kidney in acid-base balance

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

8. Name and indicate the role of two hormones that regulate blood glucose levels
9. Coenzyme forms of vitamin B6 and nicotinic acid
10. Tests for detection of glucose and fructose in urine
11. Normal serum levels of cholesterol and calcium
12. Rickets: cause and prevention

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

BASIC PRINCIPLES & PRACTICE OF NURSING
(Revised Scheme)

Q.P. CODE: 1679

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 various specimens which will be collected at the time of hospitalization
   b) Describe the method of specimen collection
   c) Explain the role of nurse in collection and transportation of 24 hours urine specimen
2. a) Illustrate man as a psychosocial being
   b) Explain individual interaction with his environment
3. a) Describe nature and scope of nursing
   b) Narrate the functions of primary health care

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Primary nursing
5. Multidisciplinary approach
6. Levels of care
7. Body mechanics
8. Comfort devices
9. Types of beds
10. Environmental hygiene
11. Maslow's hierarchial basic needs of human beings
12. Qualities of a nurse
13. Types of enema

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

14. Define community health
15. Intake and output chart format
16. Importance of hand washing technique
17. Barrier nursing
18. Posture
19. Define profession
20. Format of nursing care plan
21. Apnoea
22. Vital signs
23. Define rehabilitation

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

GENERAL PSYCHOLOGY AND EDUCATIONAL PSYCHOLOGY
(Revised Scheme)

Q.P. CODE: 1680

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 its nature and scope with reference to nursing
2. Discuss endocrine system and its influence on development of behavior
3. Every individual is unique. How do you explain these individual differences among people

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Describe merits and demerits of experimental method
5. Discuss twin and family studies in relation to development of behavior
6. What are the characteristics of emotions?
7. Discuss Maslow's self – actualization theory
8. Explain factors influencing perception
9. Discuss Freud's theory of psycho-sexual development
10. Explain trial and error learning
11. Role of incentives and rewards in teaching
12. What is forgetting? How can it be minimized?
13. What is problem solving? What is the role of mental set in problem solving?

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

14. Emotions and health
15. Division of attention
16. Meaning of perception
17. Illusions
18. Types of emotions
19. Insightful learning
20. Extinction and spontaneous recovery
21. Types of reasoning
22. Steps of evaluation
23. Psychoanalysis

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

MICROBIOLOGY (Revised Scheme)

Q.P. CODE: 1681

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 morphology, life cycle, pathogenecity and laboratory diagnosis of E. histolytica
2. Describe the various methods of cultivation of viruses
3. Describe the morphology, pathogenecity and laboratory diagnosis of M. tuberculosis

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Selective media
5. Sterilization by filteration
6. Antibiotic sensitivity tests
7. Phagocytosis
8. Anaphylaxis
9. Giardia intestinalis
10. Laboratory diagnosis of hepatitis B virus infection
11. Cryptosporidium parvum
12. Laboratory diagnosis of fungal infections
13. Mycotoxins

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

14. Name 2 anaerobic media
15. Define mechanical vector and biological vector
16. Draw a neat and labeled diagram of IgG
17. Atopy
18. Name 4 hepatitis viruses
19. Draw a neat and labeled diagram of HIV virus
20. Name 2 clinical features of infection with A. duodenale (hookworm)
21. Name 2 differences between P. vivax and P. falciparum in peripheral smear
22. Candida albicans
23. Mycotoxins

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

INTRODUCTION TO COMMUNITY HEALTH NURSING
(Revised Scheme)

Q.P. CODE: 1682

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 aims and objectives of health education. Discuss various methods you would use for health education in community
2. What do you mean by primary health care? Discuss the primary health care approach at village and subcentre level. Explain the role of multipurpose health worker male in providing primary health care at subcentre level
3. What do you mean by air pollution? Explain the sources of air pollution and its effect on health. List the measures for prevention and control of air pollution

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Causes of malnutrition and its prevention
5. Effects of improper disposal of excreta
6. General measures for controlling communicable diseases
7. Chlorination of wells
8. Environment sanitation problems
9. Indirect transmission of diseases
10. Housing standards
11. Growth chart
12. Surveillance
13. Health advise to travelers

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

14. Manure pit
15. Fomite borne disease
16. Host
17. Effect of temperature on health
18. Multi sectorial approach
19. Food hygiene
20. Rehabilitation
21. Incineration
22. Define community health nursing
23. Zoonosis

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

SOCIOLOGY (Revised Scheme)

Q.P. CODE: 1683

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 sociology and write importants of sociology in nursing profession
2. Write essay on social groups
3. Discuss health problems of urban community in India

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Society & community
5. Agencies of socialization
6. Co-operation and competition
7. Difference between primary and secondary groups
8. Role of Family health and diseases
9. Describe the forms of marriages
10. Difference between caste and class
11. Social mobility
12. Characteristics of Rural community
13. Technological factors of social change

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

14. Assimilation
15. Folkways
16. Joint family
17. Polyandry
18. Jajamany system
19. Prostitution
20. Isolation
21. Social disorganization
22. Race
23. Exogamy

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – March 2009

Time: Three Hours **Max. Marks: 100 Marks**

ANATOMY & PHYSIOLOGY (RS – 2)

Q.P. CODE: 1746 & 1747

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: 1746 – Section 'A' - Anatomy (50 Marks)

LONG ESSAYS (Any one) **1 x 10 = 10 Marks**

1. In detail explain the structure of the cerebellum
2. a) Enumerate rate the parts of female reproductive system
   b) Describe the gross anatomy of uterus

SHORT ESSAYS (Any five) **5 x 5 = 25 Marks**

3. Prevertebral ganglia
4. Pancreas
5. Cupper end of humerus
6. Knee joint
7. Carynx
8. Urinary bladder
9. Deltoid muscle

SHORT ANSWERS **5 x 3 = 15 Marks**

10. Broncho pulmonary segments
11. Name three extrinsic muscles of tongue
12. Sutures
13. Hyaline caryilage
14. Erythrocytes

Q.P. Code: 1747 – Section 'B' - Physiology (50 Marks)

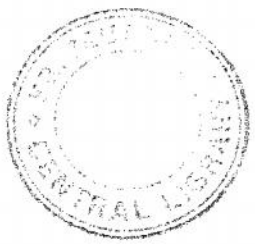
Use separate answer book

LONG ESSAYS (Any one) **1 x 10 = 10 Marks**

1. Describe the mechanism of blood clotting
2. a) Describe the composition of saliva b) Explain the functions of saliva

SHORT ESSAYS (Any five) **5 x 5 = 25 Marks**

3. Ovarian changes during menstruation
4. Functions of kidney
5. Heart sounds
6. Functions of adrenal cortex hormones
7. Functions of saliva
8. Glomerular filtration rate
9. Pathway for pain



SHORT ANSWERS **5 x 3 = 15 Marks**

10. Name muscle proteins
11. Describe reflex arch
12. Functions of cerebellum
13. Refractive errors of eye and its correction
14. Name various lung volumes and capacities

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – March 2009

Time: Three Hours **Max. Marks: 100 Marks**

NUTRITION & BIOCHEMISTRY (RS – 2)

Q.P. CODE: 1748 & 1749

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: 1748 – Section 'A' - Nutrition (60 Marks)

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

1. a. Discuss the various methods of food preservation
   b. Write a note on food adulteration and its prevention
2. Discuss the dietary management in diabetes mellitus
3. Define balanced diet. What factors do you consider while planning?

SHORT ESSAYS (Any Five) **5 x 5 = 25 Marks**

4. Special nutrition programme
5. Dietary sources, functions and requirements and deficiency of calcium
6. Steps to be taken to prevent food contamination
7. List the nutrients which supply energy and basic factors influencing the energy needs of the body
8. Digestion of fat in the GI-Tract
9. Xerophthalmia
10. Protein energy malnutrition

SHORT ANSWERS **5 x 3 = 15 Marks**

11. Pasteurization
12. Bland diets
13. Megaloblastic anaemia
14. EGG Flip and whey water
15. Weaning

Q.P. Code: 1749 – Section 'B' - Biochemistry (40 Marks)

Use separate answer book

LONG ESSAYS (Any One) **1 x 10 = 10 Marks**

1. Give an account of the citric acid cycle and explain why it is called the common renal metabolic pathway. Write a short note on its energetics
2. Discuss the sources. Daily requirement, biochemical functions of vitamin A

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

3. Classify lepoproteins Explain their biological significance
4. Give the sources and fate of acetyl – Co A
5. Functions and deficiency symptoms of pyridoxine
6. Renal regulations of blood pH

SHORT ANSWERS **5 x 3 = 15 Marks**

7. Antioxidants
8. Significance of isoenzymes in diagnosis of myocardial infarction
9. Invert sugar
10. Functions of Vit. E
11. Normal levels of a) Calcium b) Urea c) Sodium in blood

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – March 2009

Time: Three Hours **Max. Marks: 100 Marks**

NURSING FOUNDATION
(Revised Scheme 2)

Q.P. CODE: 1750

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

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

1. Describe Medico-Legal issues. Explain the role of nurse in Medico-Legal issues
2. Define peri-operative nursing. Explain various post operative phases and role of nurse in post operative phase
3. Define nursing process. Prepare in detail a formate of health assessment of a patient peptic ulcer

SHORT ESSAYS (Any Ten) **10 x 5 = 50 Marks**

4. Health promotion and prevention of illness
5. Patient teaching
6. Comfort devices
7. Types of enema
8. CPR
9. Types of inhalation with purposes
10. Nursing care of hearing impairment
11. Blood pressure
12. Planning in nursing process
13. Electrolyte imbalances
14. Care of a patient with pyrexia
15. Discharge planning

SHORT ANSWERS **10 x 3 = 30 Marks**

16. Types of hospitals
17. Therapeutic relationship
18. Physical assessment in cardiac system
19. Perineal care
20. Cultural diversity and nurses role
21. Types of infection
22. Care of ostemies
23. Recreational and diversional therapies
24. Throat swab
25. Conceptual model in nursing practice

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – March 2009

Max. Marks: 100 Marks

Time: Three Hours

PSYCHOLOGY (RS - 2)

Q.P. CODE: 1751

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

2 x 10 = 20 Marks

LONG ESSAYS (Any Two)

1. Define learning. Explain the "Psychic secretion" and the operant conditioning
2. List out types of personalities. Discuss in detail about Freud's' theory of personality
3. Define psychology. Explain methods of observation and case study

10 x 5 = 50 Marks

SHORT ESSAYS (Any Ten)

4. Theories of emotion in briefly
5. Organization of perception
6. Theories of motivation
7. Relevance of psychology to nursing
8. Heredity and environment
9. Techniques of learning
10. Theories of forgetting
11. Assessment of personality
12. Development stages of an individual
13. Concepts of mental hygiene and mental health
14. Conflict resolution
15. Characteristics of mentally healthy person

10 x 3 = 30 Marks

SHORT ANSWERS

16. Learning
17. Methods of psychology
18. Perception
19. Define any two branches of psychology
20. Part of Neuron
21. Thinking
22. Intelligence
23. Ego-defence mechanism
24. Errors of perception
25. Level of consciousness

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – March 2009

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY (RS - 2)

Q.P. CODE: 1752

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

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

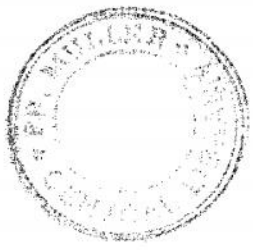
1. Classify hypersensitivity. Discuss in detail anaphylaxis
2. Describe the life-cycle and laboratory diagnosic of ankylostoma duodenale (Hook Worm)
3. Describe the morphology, culture, pathogenicity and laboratory diagnosis of corynebactrium diphtheriae

SHORT ESSAYS (Any Ten) **10 x 5 = 50 Marks**

4. Bacterial flagella
5. Anaerobic culture methods
6. ELISA
7. Candida albicans
8. Transport media
9. Avtoclave
10. Enzymes and toxins of streptococci
11. Nosocomial infections
12. Immunization schedule
13. Negative staining
14. Life cycle of entanoebastistolytica
15. Prophylaxis of rabies

SHORT ANSWERS **10 x 3 = 30 Marks**

16. R.C.M
17. Sterilization by radiation
18. Four parasites causing
19. Sterilization of operation theatres
20. B.C.G
21. Blood examination for microfilaria
22. Name three sexually transmitted diseases
23. Name three bactiria causing Urinary Tract Infection
24. Name three live vaccines
25. Negri bodies



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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

ANATOMY (Revised Scheme)

Q.P. CODE: 1676

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 oogenesis
2. Describe right atrium
3. Describe pituitary gland

SHORT ESSAYS **8 x 5 = 40 Marks**

4. Functions of the adrenal gland
5. Synarthrosis
6. Conventional radiography
7. Pleura
8. Pinocytosis
9. Classify the epithelial tissue
10. Coronary arteries
11. Medulla oblongata

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

12. Define antigen and antibody
13. Name the serous membranes
14. Name the processes of neuron
15. Name the cells of bone
16. Name the bones entering into the formation of shoulder girdle
17. Schwann cells
18. Draw and label the hyaline cartilage
19. Name any 4 branches of radial nerve
20. Define the two types of skeleton
21. Name any 2 pharyngeal muscles

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

PHYSIOLOGY & BIOCHEMISTRY - (Revised Scheme)

Q.P. CODE: 1677 & 1678

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: 1677 – Section A – PHYSIOLOGY (40 Marks)

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

1. Classify body fluid compartments. Give normal values. How is total body water determined?
2. Define blood pressure. How is it measured? List the factors affecting blood pressure

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

3. Describe the functions of blood
4. Draw and label spirogram
5. Describe the stages of spermatogenesis
6. Describe the movements of small intestines
7. Classify muscles. List the differences between them

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

8. State landsteiner's law
9. Name the muscles of respiration
10. List four functions of saliva
11. What is the normal serum calcium level? Name the hormones regulating it
12. What are the functions of counter current mechanism in the kidney?

Q.P. Code: 1678 – Section B – BIOCHEMISTRY (40 Marks)

Use separate answer book

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

1. Discuss the causes, synthesis and utilization of ketone bodies
2. Describe the sources, provitamin form, functions & deficiency manifestations of Vitamin D

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

3. Useful compounds synthesized from aminoacid tyrosine
4. Hormonal regulation of blood sugar level
5. Structure and function of cholesterol
6. What is BMR (Basal metabolic rate)? Discuss the factors that affects BMR
7. Role of kidney in acid-base balance

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

8. Rothera's test
9. Causes for metabolic acidosis
10. Night blindness
11. Glycosuria
12. Differences between starch and glycogen

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

BASIC PRINCIPLES & PRACTICE OF NURSING
(Revised Scheme)

Q.P. CODE: 1679

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 nursing process
   b) State the steps and describe in detail on any one step on nursing process
2. a) Define temperature
   b) State the factors influencing thermogenesis and describe thermometer technique
3. a) Discuss on indications and contraindications for blood transfusion
   b) Explain the role of nurse in blood transfusion

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Infection control
5. Bladder irrigation
6. First aid for shock
7. Bandages and its application
8. Health illness continuum
9. Code of ethics
10. Sitz bath
11. Role of nurse in giving enema
12. Progressive patient care
13. Venous puncture

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

14. Unconsciousness
15. Suppositories
16. Pulse pressure
17. Ethics of nursing
18. Inspection
19. Nebulization
20. Team nursing
21. Admission
22. Renabilitation
23. Rigor mortis

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

GENERAL PSYCHOLOGY AND EDUCATIONAL PSYCHOLOGY
(Revised Scheme)

Q.P. CODE: 1680

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 and explain the scope of psychology in nursing profession
2. Explain Freud's theory of personality development
3. Define motivation and discuss the Maslows' Hierarchy theory of motivation

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Examine the types and uses of intelligence tests
5. Explain educational implications of transfer of learning
6. Define emotion and explain the relation between emotion and motive
7. Define personality and explain the antisocial behaviour
8. Attitude measurement and its implications in nursing
9. Explain any three methods of educational psychology
10. Define perception and explain the concept of extra sensory perception
11. Explain tools of thinking
12. Explain purposes of evaluation and their steps
13. Write about the behaving organism

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

14. Perceptual errors
15. Creativity
16. Division of attention
17. Emotion and health
18. Insight learning
19. Causes of forgetting
20. Projective test
21. Reinforcement
22. Biological motive
23. Errors in thinking

GENERAL LIBRARY

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

MICROBIOLOGY (Revised Scheme)

Q.P. CODE: 1681

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 various methods of sterilization by moist heat. Discuss the principle and uses of sterilization by autoclave
2. Classify immunity. Describe innate immunity
3. Classify streptococci. Describe the morphology, pathogenicity and laboratory diagnosis of streptococcus pyogenes

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Antibiotic sensitivity test
5. Enzyme linked immunosorbent assay (ELISA)
6. Standard tests for syphilis
7. Blood culture
8. Coagulase negative staphylococci
9. Interferon
10. Viral vaccines
11. Extra intestinal manifestations of E. histolytica
12. C. albicans
13. Mycetoma

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

14. Name 2 intestinal nematodes
15. List 4 species of malarial parasites
16. Draw a neat and labeled diagram of A.lumbricoides
17. Name 2 transport media
18. Give 4 differences between exotoxin and endotoxin
19. Draw a neat and labeled diagram of IgG
20. Classification of mycobacteria
21. Name 2 opportunistic fungal infections
22. Name 2 serological tests for the diagnosis of HIV infection
23. Name the different groups of dermatophytes

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

INTRODUCTION TO COMMUNITY HEALTH NURSING
(Revised Scheme)

Q.P. CODE: 1682

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**

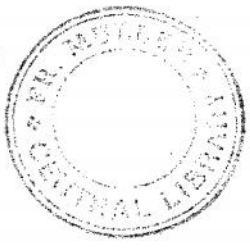
1. Define community health nursing. Explain the principles of community health nursing. Discuss the functions of community health nurse
2. What are the sources of solid wastes? List the health hazards due to improper disposal of them. Discuss the storage, collect and various methods of disposal of solid wastes
3. What is protein energy malnutrition? List the causes of protein energy malnutrition. Discuss the role of community health nurse in prevention of protein energy malnutrition in children

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Community participation
5. Goals of community health nursing
6. Sources of radiation and its effect on health
7. Communicable disease problems
8. Effects of poor housing and remedies
9. Airborne diseases
10. Role of health nurse female at subcentre
11. Measurement of air temperature
12. Sanitation of swimming pool
13. Community health centre

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

14. Disability limitation
15. Sporadic
16. Objectives of integrated child development scheme programme
17. Uses of audio visual aids
18. Food adulteration
19. Rickets
20. Diseases prevented by vaccination only
21. Pellagra
22. Epidemic
23. Milk born diseases



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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 100 Marks**

ANATOMY & PHYSIOLOGY (RS – 2)

Q.P. CODE: 1746 & 1747

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: 1746 – Section 'A' - Anatomy (50 Marks)

LONG ESSAYS (Any one) 1 x 10 = 10 Marks

1. Describe the gross anatomy of heart in detail
2. Describe the pituitary gland

SHORT ESSAYS (Any five) 5 x 5 = 25 Marks

3. Parotid gland
4. Spinal cord
5. Lymph node
6. Inguinal canal
7. Ovary
8. Skin
9. Oesophagus

SHORT ANSWERS 5 x 3 = 15 Marks

10. Glial cells
11. Name the carpal bones
12. Appendix
13. Clavicle
14. Compact bone

Q.P. Code: 1747 – Section 'B' - Physiology (50 Marks)

Use separate answer book

LONG ESSAYS (Any one) 2 x 10 = 20 Marks

1. Explain the mechanism of formation of urine
2. Define blood pressure. Write the normal values. Describe the regulation of blood pressure

SHORT ESSAYS (Any five) 5 x 5 = 25 Marks

3. Name plasma proteins and their functions
4. Describe neuro muscular junction
5. Heart sounds
6. Functions of skin
7. Describe Deglutition
8. Glomerular filtration rate
9. Oxygen transport

SHORT ANSWERS 5 x 3 = 15 Marks

10. Functions of cerebellum
11. Functions of spleen
12. Name six blood clotting factors
13. Name six hormones secreted by anterior lobe of pituitary gland
14. Functions of FSH and LH

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 100 Marks**

NUTRITION & BIOCHEMISTRY (RS – 2)

Q.P. CODE: 1748 & 1749

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: 1748 – Section 'A' - Nutrition (60 Marks)

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

1. Discuss the National Nutrition Policy
2. Discuss carbohydrates in the following headings a) Classification b) Functions c) Dietary sources & requirements d) Deficiency and over consumption
3. Various methods of nutrition education and role of nurse in it

SHORT ESSAYS (Any Five) **5 x 5 = 25 Marks**

4. Nutritional needs of a lactating mother
5. Functions and imbalances of potassium in the body
6. NIPCCD
7. Biological value of proteins and its importance in our body
8. Sodium restricted diets and its uses
9. Protein energy malnutrition
10. ICDS

SHORT ANSWERS **5 x 3 = 15 Marks**

11. Beri-Beri
12. Drying and dehydration
13. Kwashiorkor
14. Effects of over consumption of fat in the body
15. Dietary sources of vitamin-A and deficiency

Q.P. Code: 1749 – Section 'B' - Biochemistry (40 Marks)

Use separate answer book

LONG ESSAYS (Any One) **1 x 10 = 10 Marks**

1. Explain the influence of various factors on enzyme activity
2. Discuss glyconysis. Add a note on its energetics

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

3. Describe in detail the steps of urea cycle
4. Functions and deficiency manifestations of vitamin C
5. Fluid mosaic model
6. Phospholipids

SHORT ANSWERS **5 x 3 = 15 Marks**

7. Metabolic elements
8. Trace elements
9. Phenylketonuria
10. Functions of phospholipids
11. Mention the normal levels of serum creatinine, total bilirubin and calcium

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 100 Marks**

NURSING FOUNDATION
(Revised Scheme 2)
Q.P. CODE: 1750

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

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

1. Define communication. Explain in depth about communication process. Brief about barriers of communication
2. Define CPR (Cardio Pulmonary Resuscitation). List out the indications of CPR. Explain basic life support
3. a) Define immobility b) List the complications of immobility c) Explain the management of immobilized patient applying nursing process

SHORT ESSAYS (Any Ten) **10 x 5 = 50 Marks**

4. Ethical principles
5. Management of heat stroke
6. Urinary catheterization
7. Principles of drug administration
8. Types of wound
9. Nursing care of visual impairment
10. Bladder irrigation
11. Loss and Grieving process
12. Methods of pain management
13. Documentation
14. Evaluation
15. Vital signs

SHORT ANSWERS **10 x 3 = 30 Marks**

16. Primary health care
17. LAMA and abscond
18. Various sites of pulse recording
19. Physical assessment in respiratory system
20. Signs of clinical death
21. Methods of oral drug administration
22. Venipuncture
23. Factors influencing hygiene practices
24. Safety devices and its purposes
25. Medical and surgical asepsis

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 100 Marks**

PSYCHOLOGY (RS - 2)

Q.P. CODE: 1751

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

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

1. Define personality. Explain the theories of personality
2. Define perception. Explain the organization of perception
3. Define intelligence. Explain the theories of intelligence

SHORT ESSAYS (Any Ten) **10 x 5 = 50 Marks**

4. Brief explanation about brain functions and behaviour
5. Illustrate factors affecting attention
6. Write a note on classical conditioning
7. Theories of intelligence
8. Insightful learning
9. Methods to improve memory
10. Factors influencing attitude
11. Write about abnormal behaviour
12. Role of nurse in mental health promotion
13. Scope of psychology
14. Theories of motivation
15. Frustration

SHORT ANSWERS **10 x 3 = 30 Marks**

16. Applied psychology
17. Heredity
18. Aptitude
19. Stress
20. Mention the theories of emotions
21. Types of motivation
22. Thinking
23. Learning
24. Forgetting
25. Types of psychological test

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 100 Marks**

MICROBIOLOGY (RS - 2)

Q.P. CODE: 1752

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

LONG ESSAYS (Any Two) **2 x 10 = 20 Marks**

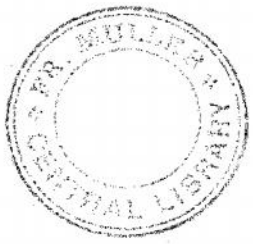
1. Name the malarial parasites. Describe the life cycle of any one of them
2. Enumerate hepatitis viruses. Describe the laboratory diagnosis of hepatitis "B" virus infection
3. Define and classify immunity. Discuss in detail innate immunity

SHORT ESSAYS (Any Ten) **10 x 5 = 50 Marks**

4. Widal test
5. Precipitation tests
6. Sterilization by radiation
7. Selective media
8. Bacterial capsule
9. Life cycle of hook worm
10. Laboratory diagnosis of Urinary Tract Infection
11. Anaphylaxis
12. Bacterial food poisoning
13. Candida albicans
14. Laboratory diagnosis of cholera
15. Pulmonary tuberculosis

SHORT ANSWERS **10 x 3 = 30 Marks**

16. Name four transport media
17. Name six arboviral infections
18. Name six vaccines
19. Enumerate antigen and antibody with one example each
20. Differences between bacteria and viruses
21. Louis Pasteur
22. Name dermatophytes
23. Labeled diagram of bacterial cell
24. Name four bacteria causing nosocomial infection
25. Define Universal precautions



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Rajiv Gandhi University of Health Sciences, Karnataka

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

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

ANATOMY & PHYSIOLOGY (RS - 3)

Q.P. CODE: 1753 & 1754

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: 1753 – Section A – ANATOMY (37 Marks)

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

1. What are the components of the male reproductive system? Explain the testis with a diagram
2. Describe the heart. Explain how the blood flows through the heart?

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

3. Name the major salivary glands. What are the functions of saliva?
4. What is a nephron? Name its different parts
5. Stomach
6. Define uterine (Menstrual) cycle? Name the stages or phases of menstrual cycle

SHORT ANSWERS **6 x 2 = 12 Marks**

7. Describe the anatomical position
8. Name the hamstring group of muscles
9. Name the membranes or meninges in an order that covers the brain
10. Name the two layers of skin
11. What do you mean by endocrine gland? Name any two endocrine glands and their location
12. Name the bones of the lower limb

Q.P. Code: 1754 – Section B – PHYSIOLOGY (38 Marks)

Use separate answer book

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

1. Classify Leukocytes. Describe their morphology. Add a note on their functions
2. Define blood pressure. Give its normal value. Explain short term and long-term mechanisms of its regulation

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

3. Describe the secretion, regulation & functions of growth hormone
4. Name the errors of refraction. Explain its corrections with the help of diagram
5. Describe the formation and functions of Cerebro Spinal Fluid (CSF)
6. Describe an action potential recorded from a nerve fiber
7. Explain the structure of a synapse. What are its types?

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

8. Name the plasma proteins
9. Draw a neat diagram of a neuron and label its parts
10. Name the types of hypoxia
11. List four functions of liver

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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

NUTRITION & BIOCHEMISTRY (RS - 3)

Q.P. CODE: 1755 & 1756

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: 1755 – Section A – NUTRITION (45 Marks)

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

1. Write about classification, dietary sources, recommended daily allowances of minerals
2. Mention the water soluble vitamins. Write about hypervitaminosis

SHORT ESSAYS (Answer any Five) **5 x 5 = 25 Marks**

3. Mid-day meal programme
4. Nutritional problems in India
5. Deficiencies of protein
6. Maintenance of fluid & electrolyte balance
7. Food addictives and its principles
8. Assessment of nutritional status

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

9. Vitamin C function & deficiency
10. Classification of carbohydrates
11. Storage of food
12. Balanced diet
13. Deficiencies of vitamin B6

Q.P. Code: 1756 – Section B – BIOCHEMISTRY (30Marks)

Use separate answer book

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

1. Give a detailed account on aerobic glycolysis. Explain the energetics and regulation of this pathway
2. Describe β-oxidation of fatty acids. Add a note on energetics of palmitic acid oxidation

SHORT ESSAYS (Answer any Two) **2 x 5 = 10 Marks**

3. Urea cycle
4. Formation a id utilization of ketone bodies
5. Renal regulation of acid-base balance

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

6. What are anti-oxidants? Give two examples
7. Biochemical functions of calcium
8. Competitive inhibition of enzymes
9. Functions of ascorbic acid
10. Write the normal range of a) Random Blood Glucose b) Blood Urea c) Serum cholesterol d) Serum bilirubin

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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

NURSING FOUNDATION (RS - 3)

Q.P. CODE: 1757

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 wound healing and explain the classifications of wound
   b) Complications of wound healing
   c) Discuss in detail of care of wound
2. a) Definition and characteristics of a profession
   b) Write in detail of functions and qualities of a nurse
3. a) Definition and nature of infection
   b) Nosocomial infection
   c) Discuss in detail of isolation precautions

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

4. Range of motion exercises
5. Roles and responsibilities of the nurse in medico-legal cases
6. Role of nurse in recording and reporting
7. Pain management
8. Naso-gastric suction
9. Types of bed and principles of bed making
10. Types and collection of urine specimen
11. Principles of body mechanism
12. Types and purposes of positions

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

13. Define health
14. Types of hospital waste
15. Autopsy
16. Signs of clinical death
17. Types of bandages
18. Suppositories
19. Hyperthermia
20. Anoxia
21. Heat stroke
22. Factors affecting respiration

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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

PSYCHOLOGY (RS - 3)

Q.P. CODE: 1758

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 operant conditioning given by skinner
2. What is forgetting? Explain the theories of forgetting
3. What is a motive? Explain the biological motives hunger and thirst

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

4. Explain case study method
5. Explain the relevance of psychology to Nursing
6. Explain the characteristics of perception
7. Explain transfer of training
8. Explain the types of intelligence tests
9. Explain the types of conflicts
10. Explain the development of attitudes
11. Explain the stages of development
12. Explain warning signs of poor mental health

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

13. Amnesia
14. Meicsis
15. Perception
16. Thinking
17. Rationalization
18. Aptitude
19. Frustration
20. Stress
21. Sublimation
22. Rating scales

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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

MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

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 morphology of a bacterial cell with a neat labeled diagram
2. What is immunity? Classify immunity. Describe the mechanisms of innate immunity
3. Classify Staphylococci. Describe the pathogenicity and laboratory diagnosis of Staphylococcus aureus

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

4. Universal precautions with highly infectious patient
5. Bacterial growth curve
6. Widal test
7. MMR vaccine
8. Bacterial capsule
9. Hepatitis B virus
10. Prokaryotes & Eukaryotes
11. Immunoglobulin E (IgE)
12. Koch's postulates

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

13. Name two RNA viruses
14. Name a screening and a confirmatory test for HIV infection
15. Name two gaseous disinfectants
16. Anaerobic culture media
17. CSSD
18. DPT vaccine
19. Name two diseases caused by Spirochetes
20. Infections caused by Herpes simplex virus
21. Name two bacterial sexually transmitted diseases
22. Define sterilization and disinfection

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