Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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. Draw a neat and labeled diagram of bacterial cell. Describe cell wall
2. Describe the laboratory diagnosis of syphilis
3. List intestinal nematodes. Describe the life cycle and laboratory diagnosis of A. lumbricoides

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

4. Gaseous disinfectants
5. Type I hypersensitivity reactions
6. Interferon
7. Hepatitis C virus
8. Prophylaxis against rabies
9. Hydatid cyst
10. Microfilaria
11. Cryptococcus neoformans
12. Mycetoma
13. Classification of fungi

SHORT ANSWERS 10 x 2 = 20 Marks

14. Name 2 methods of pasteurization along with recommended temperature and time of exposure
15 Name 2 autoclave indicators
16. Draw a neat and labeled diagram of IgM
17. Name 2 immuno competent lymphocytes
18. Classification of atypical mycobacteria
19. Give 2 examples of DNA viruses
20. Mention the routes of spread of hepatitis A virus and hepatitis B virus
21. Name 2 parasites that enter through the skin
22. C. Albicans
23. Myxotoxins

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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. Define clotting. Describe the intrinsic pathway for clotting
2. Describe the neural regulation of respiration

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

3. Describe the functions of Oxytocin
4. Describe the functions of saliva
5. Describe the family planning methods in male
6. Define a) Diffusion b) Osmosis
7. Classify body fluid compartments. Give normal values

SHORT ANSWERS 5 x 2 = 10 Marks

8. Name the primary taste sensations. Where are they perceived?
9. Describe the functions of Rods
10. How many heart sounds are present? How is the first sound produced?
11. What is the normal blood glucose level? Name the hormones decreasing it
12. Name the descending tracts

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

Use separate answer book

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

1. Describe the dietary sources, coenzyme roles, deficiency manifestations, recommended dietary allowances of riboflavin
2. Describe the metabolism of glycogen

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

3. Disorders of phenylalanine metabolism
4. Pellagra
5. Metabolic acidosis
6. Tests to detect glucose, ketone bodies, bile salts, blood and uribilinogen in urine
7. Composition & functions of phospholipids

SHORT ANSWERS 5 x 2 = 10 Marks

8. Normal range and significance of blood urea
9. Biochemical role of vitamin C
10. Digestion of starch
11. One biochemical reaction using NAD
12. Essential fatty acids

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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 various National Nutrition Programmes
2. Define weaning. Discuss the points to be remembered while weaning. Give a weaning schedule
3. Explain the basic five food group system

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

4. What are dietary fibres? Explain its role in dietary
5. ICDS programme
6. Various methods of food preservation
7. Write the functions, requirements and deficiency of vitamin – C
8. Full liquid diets and its uses
9. Functions of protein
10. Aims and objective of cooking

SHORT ANSWERS 5 x 3 = 15 Marks

11. Magaloblastic anaemia
12. Steaming and baking
13. Protein-calorie malnutrition
14. Body mass index and its uses
15. Goiter

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

Use separate answer book

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

1. Describe the sources, daily requirement, functions and deficiency manifestations of vitamin D
2. Discuss glycogen metabolism

SHORT ESSAYS (Any Three) 3 x 5 = 25 Marks

3. Define and classify carbohydrates with examples
4. Explain enzyme inhibition in detail
5. Digestion of proteins
6. Urea cycle

SHORT ANSWERS 5 x 3 = 15 Marks

7. Epimers
8. Essential aminoacids
9. Metabolic acidosis
10. Free radicals
11. Mention the normal levels of serum total protein, calcium and cholesterol

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

Time: Three Hours | Max. Marks: 75 Marks

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. Describe the digestion and absorption process of fats, recommended daily allowances and deficiencies of fats
2. Enumerate the factors which influence food intake and food habits. Explain the role of culture in detail

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

3. Applied nutrition programme
4. List the functions of carbohydrates
5. Vitamin A – Requirements, sources and deficiencies
6. Diet for an elderly
7. Classification of foods
8. Planning the diet for preschool child

SHORT ANSWERS 5 x 2 = 10 Marks

9. Marasmus
10. Deficiencies of niacin
11. Principles of cooking
12. Dehydration
13. Food adulteration

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

Use separate answer book

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

1. Describe various mechanisms which regulate blood sugar levels
2. Describe the sources, daily requirement, biochemical functions and deficiency manifestations of Vitamin “C”

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

3. Classify Enzymes with suitable examples
4. What are Lipoproteins? Name them and write their functions
5. Discuss biochemical functions of vitamin “A”

SHORT ANSWERS 5 x 2 = 10 Marks

6. Immunoglobulin G
7. Write the normal range of a) Serum Sodium b) Serum Potassium c) Serum Chloride d) Serum Calcium
8. Pellagra
9. Denaturation of Proteins
10. Essential Amino acids

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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. What is socialization? Explain the different agencies of socialization
2. Define family. Describe the types and functions of family
3. Define social change. Discuss briefly the various factors of social change

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

4. Significance of sociology
5. Distinguish between society and community
6. Ingroup and outgroup
7. Health hazards of Alcoholism
8. Consequences of poverty
9. Forms of marriage
10. Social control
11. Negative role of caste
12. Role and status
13. Causes of population explosion

SHORT ANSWERS 10 x 2 = 20 Marks

14. Gemein schaft and gessel schaft
15 Crowd and public
16. Social welfare
17. Nucear family
18. Industrialization
19. Child labour
20. Social mobility
21. Exogamy
22. Old age problems
23. Isolation

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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. What is primary health centre? Enumerate the various functions of primary health centre. Discuss the role of community health nurse in primary health centre
2. Discuss various nutritional problems prevailing in India. List the various nutritional programmes in India. Explain the role of nurse in nutritional education programme
3. What do you mean by 'ventilation'? Mention the types of ventilation and list the hazards due to ill ventilation. How would you maintain ventilation in the houses in village?

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

4. Principles of community health nursing
5. Hardness of water and its removal
6. Dimensions of health
7. Effects of lighting on health
8. Barriers of communication
9. Principles of primary health care
10. Population problems in India
11. Borehole latrine
12. Modes of disease transmission
13. Nutritional assessment of a child

SHORT ANSWERS 10 x 2 = 20 Marks

14. Anganwadi worker
15 Globe thermometer
16. Chemoprophylaxis
17. Appropriate technology
18. Soakage fit
19. Kwarshiokar
20. Audio visual Aids
21. Quarantine
22. Pasteurization
23. Herd immunity

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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. Define infection, write a note on different sources and modes of transmission of infections
2. Define and classify Hypersensitivity and write about type I Hypersensitivity.
3. Classify Streptococci. Describe the morphology pathogenicity and laboratory diagnosis of Streptococcus pyogens

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

4. Explain bacterial growth curve
5. Bacterial spore diagram and description
6. Measles clinical features, lab diagnosis and prophylaxis
7. Autoclave diagram and description
8. Candida abicans
9. Life cycle of pork tapeworm
10. VDRL test
11. Bacterial flagella- diagram and description
12. Hepatitis A
13. Virulence factors of streptococcus pneumoniae
14. Explain Gram's staining
15. Radiations in sterilization

SHORT ANSWERS 10 x 3 = 30 Marks

16. Name the antibodies
17. Write any Three differences between bacteria and viruses
18. Name any Three biological vectors
19. Name any three sexually Transmitted diseases
20. Draw a neat labeled diagram of Giardia intestinalis
21. Mention three uses of ELISA
22. Mention any thee Antibiotic sensitivity tests
23. BCG Vaccine
24. RNTCP
25. Any three differences between endotoxins and exotoxis

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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. Define and classify sterilization. Discuss in detail various methods of sterilization by moist heat
2. Describe the pathogenesis and laboratory diagnosis of carynebacterium diphteriae. Add a note on its prophylaxis
3. Define and classify Hypersensitivity. Describe type I hypersensitivity reaction

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

4. Louis Pasteur
5. Bacterial flagella
6. V.D.R.L. test
7. Nosocomial infections
8. Prophylaxis of Poliomyelitis
9. Cultivation of viruses
10. Laboratory diagnosis of Malaria
11. Life cycle of Ascaris lumbricoides
12. Oral thrush

SHORT ANSWERS 10 x 2 = 20 Marks

13. Name two transport media
14. Mention two bacteria causing food poisoning
15. Define infection and mention two sources of infection
16. Mention two applications of Enzyme Linked Immuno Sorbent Assay (ELISA)
17. Name two parasites causing anemia
18. Name two concentration techniques of stool examination
19. Mention two vaccines used against rabies
20. Common modes of transmission of HIV
21. BCG Vaccine
22. Mention the different types of Immunoglobulin

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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 motivation. Explain the social motives.
2. Discuss the role of a nurse in the promotion of mental health
3. Define personality. Explain Freud's psycho analytic theory.

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

4. Scope of psychology in nursing profession
5. Biological drives
6. Classical conditioning
7. Development of attitude
8. Conflict resolution
9. Coping with stress
10. Measurement of intelligence
11. Psychological development during adolescence
12. Characteristics of a mentally healthy person.
13. Genetics and behaviour
14. Organization of perception
15. Theories of forgetting

SHORT ANSWERS 10 x 3 = 30 Marks

16. Illusion
17. Cognition
18. Amnesia
19. Thinking
20. Adjustment
21. Trait
22. Reinforcement
23. Creativity
24. Short term memory
25. Law of proximity

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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 the scope of psychology
2. Explain the methods of educational psychology
3. Define attributes. Explain the development and modification of attributes

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

4. Explain integrated responses
5. Explain social motives
6. Discuss emotions as motives
7. Explain the importance of personality in nursing
8. Explain the distribution of intelligence
9. Explain transfer of learning
10. Explain the methods of developing thinking
11. Explain the significance of evaluation
12. Describe the methods of memorizing
13. Explain types of attention

SHORT ANSWERS 10 x 2 = 20 Marks

14. Observation
15 Motives
16. Perception
17. Emotion
18. Rationalization
19. Extrovert
20. Creativity
21. Intelligent quotient
22. Laws of learning
23. ‘Aha’ experience

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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 Psychology and explain its scope with special reference to nursing
2. Define learning. Describe the educational implications of learning by conditioning in nursing
3. Explain in detail the theories of motivation

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

4. Explain the need for evaluation in teaching and learning
5. Explain the types of attention
6. Importance of heredity and environment
7. Define personality and discuss any one type
8. Discuss the influence emotion on our motives
9. Discuss various stressors
10. Factors influencing attitude change
11. Importance of guidance and counseling in mental health
12. Discuss different psychological assessment tests

SHORT ANSWERS — 10 x 2 = 20 Marks

13. Genetics and behavior
14. Psychology of sensation
15. Meaning of perception
16. Methods of memorizing
17. Define frustration
18. How can emotions be altered?
19. Developmental psychology
20. Mention the warning signs of poor mental health
21. Defence mechanisms
22. Role play

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Feb/March 2011

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 physical examination
   b) Discuss briefly on purposes and method of physical examination
2. a) Discuss on Maslow's hierarchy of needs
   b) Explain man's reaction to illness
3. a) Define body mechanics
   b) Discuss briefly on role of nurse in shifting, lifting and transferring the patient from bed to wheelchair

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

4. Steam inhalation
5. Diarrhoea and its management
6. Methods of sterilization
7. Assisting in paracenthesis
8. Pediculosis treatment
9. Types of fever
10. Steps of nursing process
11. Cardio pulmonary resuscitation
12. Current health problems
13. Care of dyspnonic patient

SHORT ANSWERS 10 x 2 = 20 Marks

14. Disposal of waste
15 Suppository
16. Restraints
17. Cordiac bed
18. Cold compress
19. Uses of triangular bandage
20. Barriers of communication
21. Purposes of bed making
22. Fowler's position
23. Last offices

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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 nursing process: Discuss the various steps in nursing process in detail
2. Define communication. Explain the types, process and Barriers of communication
3. Define cardio pulmonary resuscitation. Explain the steps to be followed during cardio – pulmonary resuscitation

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

4. Health illness continum
5. Characteristics of profession
6. Admission procedure
7. Records and reports in nursing
8. Nursing management of patient with hyperthermia
9. Methods of physical assessment
10. Catheterization
11. Naso gastric feeding
12. Sitz bath
13. Oxygen administration
14. Barrier nursing
15. Classification of wounds

SHORT ANSWERS 10 x 3 = 30 Marks

16. Signs of clinical death
17. Urinary incontinence
18. Qualities of nurse
19. Medico legal issues
20. Heat stoke
21. Care of rubber goods
22. Restraints
23. Pulse oxymetry
24. Isolation
25. Idiosyncratic reactions

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing Degree Examination – Feb/March 2011

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 Nursing.
   B. Explain the roles of a professional Nurse.
2. A. Define Pressure ulcer.
   B. Write the common sites of pressure ulcer.
   C. Give three nursing diagnosis related to impaired and the nursing interventions.
3. A. Write the factors affecting oxygenation.
   B. Explain nursing management of a patient receiving nasal oxygen.

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

4. Maintaining intake and output chart.
5. Comfort devices.
6. Methods of physical exam.
7. Assessment of blood pressure.
8. Factors influencing communication.
9. Nurses role in collection of specimens.
10. Types of admission.
11. Indwelling catheter care.
12. Factors affecting bowel elimination.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Orthostatic hypotension.
14. Types of Hospital waste.
15. Nursing diagnosis.
16. Types of medication orders.
17. Pulse deficit.
18. Fowler's position.
19. Hand washing.
20. Gastric lavage.
21. Plaster of Paris.
22. Insomania.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 anatomy of the bacterial cell with a neat labeled diagram
2. Classify antigen antibody reactions. Describe agglutination reaction in detail
3. Describe the pathogenesis and laboratory diagnosis of Vibrio cholerae

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

4. Anaerobic culture methods
5. Principle and applications of autoclaving
6. Anaphylaxis
7. Differences between active and passive immunity
8. Staphylococcus aureus
9. Laboratory diagnosis of pulmonary tuberculosis
10. Cultivation of viruses
11. Prophylaxis of type B hepatitis
12. Dermatophytes

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define sterilization and disinfection
14. Mention two contributions of Robert Koch
15. Name two important properties which make a substance antigenic
16. Draw a neat labeled diagram of Immumnoglobulin M
17. Mention two Zoonotic diseases
18. Name the vectors involved in the transmission of epidemic and endemic typhus fevers
19. Mention two RNA and two DNA viruses
20. Mention four opportunistic infections associated with HIV infection
21. Mention two important complications of Falciparum malaria
22. DPT Vaccine

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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. a) Define community health nursing
   b) Discuss in detail the goals, objectives and scope of community health nursing
2. a) General measures of controlling communicable diseases
   b) Advantages and uses of epidemiology in community health nursing
3. a) Describe the standards and criteria for healthful housing
   b) List down the effects of poor housing

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

4. Milk hygiene
5. Prevention of food adulteration act
6. Beneficiaries of ICDS program
7. Essential elements of primary health care
8. Mid upper arm circumference
9. Classification of PEM
10. Prevention and control of air pollution
11. Standards of ventilation
12. Slow sand filter
13. Methods of removal of hardness of water

SHORT ANSWERS 10 x 2 = 20 Marks

14. Objectives of health education
15 Vitamin A deficiency
16. Endemic
17. Epidemic
18. Phenol and related compounds
19. Sources of water supply
20. Heat stroke
21. Nurse population ratio
22. Orthotolidine test
23. Zoogleal layer

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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. Define and classify immunity. Explain in detail innate immunity
2. Enumerate bacteria causing Diarrhea. Discuss pathogenesis and laboratory diagnosis of cholera
3. Discuss pathogenesis and laboratory diagnosis oh HIV infection. Add a new a note on post exposure prophylaxis

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

4. Enumerate bacteria causing gangrene. Discuss pathogenesis of gas gangrene
5. Discuss methods of transmission of infection
6. Immunization schedule
7. Discuss clinical features and laboratory of diagnosis of Giardiasis
8. Discuss pathogenesis and laboratory of cerebral malaria
9. Cryptococcosis
10. Life cycle of ancylostoma duodenale
11. Oral polio vaccine (OPV)
12. Laboratory diagnosis and treatment of Bubonic plague
13. WIDAL TEST
14. Biomedical waste management
15. Discuss pathogenesis and laboratory diagnosis of post operative wound infections

SHORT ANSWERS 10 x 3 = 30 Marks

16. Classify hypersensitivity
17. Enumerate 3 bacteria causing STD
18. Draw neat diagram of bacterial cell and label different parts
19. List clinical applications of Gram stain
20. What is heterophile antigen? Give two examples
21. Enumerate antigen antibody reactions
22. Koch's postulates
23. What is neurocysticercosis? Discuss laboratory diagnosis
24. What is transport media? Give two examples
25. Add a note on cleaning blood spills in hospital

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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 intelligence and explain theories of intelligence
2. In the development of human behavior the role of heredity and environment is equally important. Critically evaluate
3. Elaborate on history of psychology and explain schools of psychology

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

4. Describe merits and demerits of introspection method
5. Discuss measurement of emotions
6. Bring out the difference between biological and social motives
7. Describe the organization of perception
8. Explain factors influencing attention
9. Describe classical conditioning of learning
10. Discuss the role of incentive and punishment in education
11. What is forgetting? Explain the organic causes of forgetting
12. Define creative thinking. Discuss stages of creative thinking
13. Deductive and inductive reasoning processes

SHORT ANSWERS 10 x 2 = 20 Marks

14. What is behavior?
15 Achievement test
16. Measurement of emotions
17. Hallucination
18. Social motives
19. Transfer of learning
20. Aha effect in learning
21. Definition of thinking
22. Conflicts
23. Structuralism

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 psychology? How does psychology differ from Sociology, Biology and Psychiatry
2. Critically evaluate the different theories of emotions, Explain the different types of emotions and its influence on health
3. Explain the concept of Intelligence Quotient? How is intelligence measured

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

4. Determine the factors that influence attention
5. Explain the role of endocrine glands in determining behaviour
6. Discuss the errors in perception
7. Factors of attention
8. Write a note on Aptitude and Individual differences
9. Explain experimental methods with merits and demerits
10. Types of thinking
11. Describe the type theories of personality
12. Describe memory along with its types
13. Differentiate between classical conditioning & operant conditioning
14. Explain figure and ground principle in perception
15. Describe transfer of learning

SHORT ANSWERS — 10 x 3 = 30 Marks

16. Child psychology
17. Stress
18. Survey method
19. Division of attention
20. Reinforcement
21. Conflict
22. Extinction
23. Frustration
24. Sensory memory
25. Chromosomes

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 Defence Mechanism. Explain any two with examples.
2. Explain the concepts and theories of motivation.
3. Define personality and theories of personality.

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

4. Briefly explain the preventive strategies in mental health.
5. Explain trial and error method of learning.
6. Difference between learning by classical conditioning and operant conditioning.
7. What is reasoning? Explain error in thinking.
8. Differentiate long term and short term memory.
9. Usefulness of questionnaire in education.
10. Elaborate effective way of memorizing.
11. Explain the development of attributes.
12. How will you assess the achievements?

SHORT ANSWERS 10 x 2 = 20 Marks

13. Ego.
14. Biological motives.
15. Conflicts.
16. Motivation cycle.
17. Stress.
18. Principles of heredity.
19. Reasoning.
20. Tools of thinking.
21. Personal motives.
22. Aggression.

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 medicine
   b) Enlist the routes of medicine administration
   c) Explain principles to be followed while administering medication
2. a) Define nursing
   b) Explain the qualities of a nurse
   c) Explain the role of a nurse in health teaching
3. a) Explain the factors affecting oxygenation
   b) Discuss two nursing diagnosis with intervention for a patient with dyspnea

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

4. Records & reports
5. Universal precautions
6. Care of a patient with fever
7. Care of rubber goods
8. Data collection
9. Code of ethics
10. Functions of a hospital
11. Care of dead body
12. Principles of body mechanics

SHORT ANSWERS — 10 x 2 = 20 Marks

13. Trendelenburg position
14. Heat stroke
15. Hectic fever
16. Euthanasia
17. Muscle power
18. Dehydration
19. Complications of IV infusion
20. Surgical asepsis
21. Percussion
22. Nursing diagnosis

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 Health Promotion. Explain the levels of disease prevention in detail (2+8)
2. Define pain. List out the types of pain and factors influencing the pain. Brief about role of nurse in pain management (2+4+4)
3. a) List the indications for urinary catheterization b) Explain the nurses role in the management a patient with urinary catheter

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

4. Health illness continuum
5. Characteristics of a profession
6. Phases of helping relationship
7. Nursing process
8. Incident reports
9. Safety devices
10. Bladder irrigation
11. Role of nurse in the prevention of Nosocomial infection
12. Various systems of drug measurement
13. Role of nurse in post operative unit
14. Records and reports
15. Types of enema

SHORT ANSWERS 10 x 3 = 30 Marks

16. Elements of communication
17. Ethical principles
18. Characteristics of B.P
19. Nursing records
20. Heat stroke
21. Assessment of unconsciousness
22. Holistic model
23. Types of irrigations
24. ROM exercises
25. Basic needs

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

Time: Three Hours Max. Marks: 75

Marks

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. What is nutritional assessment? Describe the methods of nutritional assessment of children in detail.
2. Define cooking. List the principles of cooking and explain the methods of cooking.

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

3. Iodine Deficiency Disorder Control programme.
4. Food additives.
5. Balanced diet for adolescent girls.
6. RDA for a lactating (moderate worker).
7. Pellagra.
8. Comparison of Breast milk and cow's milk.

SHORT ANSWERS 5 x 2 = 10 Marks

9. Essential Amino Acids.
10. Pasteurization.
11. Dietary Sources of iron.
12. Functions of Vitamin 'D'.
13. Define Body Mass Index.

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

Use separate answer book

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

1. Define Glycolysis. Enumerate the reactions of the pathway. Explain the energetics of the pathway.
2. Describe the sources, daily requirement, biochemical functions and deficiency manifestations of Vitamin 'D'.

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

3. Classify Enzymes with examples.
4. Describe Transamination reactions and its clinical significance.
5. Discuss the Absorption, Transport and Storage of Iron.

SHORT ANSWERS 5 x 2 = 10 Marks

6. Name Ketone Bodies and two conditions in which they are excreted.
7. Biochemical findings in Metabolic Acidosis.
8. Importance of HMP Shunt pathway.
9. Essential fatty acids.
10. Name Bile Salts and write their functions.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

Time: Three Hours Max. Marks: 75
Marks

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. Explain the classification, functions, and deficiency of vitamin A. list the sources of vitamin A
2. Plan a day's diet for an 18 year old adolescent girl. Mention the recommended dietary allowances for an adolescent. Discuss the nutritional problems of adolescents

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

3. Functions of thiamine
4. Advantages and disadvantages of artificial feeding
5. Prevention of food adulteration act
6. Role of chemical preservatives in food preservation
7. Hyponatremia and hyprnatremia
8. Prevention and treatment of protein energy malnutrition

SHORT ANSWERS 5 x 2 = 10 Marks

9. Define menu planning
10. Define essential amino acids
11. Causes of Egg white injury
12. Food poisoning
13. List two objectives of mid – day meal programme

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

Use separate answer book

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

1. Describe the strategy of national nutrition policy for direct interventions
2. Describe the classification, function, sources and recommended daily allowances of proteins

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

3. Explain the points to be kept in mind while planning a diet for a elderly person
4. How is the energy content of food measured by calorimetry. Explain with a neat diagram
5. Fluorosis

SHORT ANSWERS 5 x 2 = 10 Marks

6. Aim and objectives of cooking
7. Bland diet
8. Albumin water
9. Dehydration
10. Dietary sources of carbohydrates

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Rajiv Gandhi University of Health Sciences, Karnataka

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 factors influencing food habits and give the classification of food groups
2. Explain the digestion, absorption, storage and functions of fat
3. Define food budgeting and explain in detail the factors influencing food budgeting

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

4. Factors affecting calcium absorption
5. Role of dietary fiber in disease and health & disease
6. Clinical symptoms of vitamin A deficiency
7. Definition, types and indications of Liquid diet
8. Causes and prevention of lathyrism
9. Discovery of vitamins
10. Deficiency, classification and role of lipoproteins

SHORT ANSWERS 5 x 3 = 15 Marks

11. Define baking give an example
12. Dietary sources of iron
13. Food supplementation
14. Define basal metabolism
15. Define calorie. Give the calories for one gram of carbohydrate, protein and fat

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

Use separate answer book

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

1. Enumerate the reactions of citric acid cycle. Add a note on its energetics
2. Give the sources, functions, deficiency manifestations and RDA of vitamin D

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

3. Phospholipids
4. Walds visual cycle
5. Polysaccharides
6. Derivatives of cholesterol

SHORT ANSWERS 5 x 3 = 15 Marks

7. Scurvy
8. Functions of proteins
9. Essential fatty acids
10. Blood buffers
11. Normal levels of serum calcium and phosphorus

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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. Define erythropoiesis. Describe stages of erythopoiesis and mention factors regulating it?
2. Define blood pressure? What is its normal value? Describe regulation of blood pressure

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

3. Define and classify hypoxia
4. Describe the functions of saliva
5. Draw a neat labeled diagram of juxtra glomerular apparatus and mention its functions
6. Enumerate the functions of hypothalamus
7. Describe the stages of spermatogenesis

SHORT ANSWERS 5 x 2 = 10 Marks

8. Name any two hormones of anterior pituitary and mention its functions
9. Draw a neat labeled diagram of ECG
10. Name the muscles of respiration
11. Name any two refractive errors of eye and mention its correction
12. Define and classify refractory period

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

Use separate answer book

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

1. Describe the sources, RDA, Prio-chemcial functions and hormonal regulation of serum calcium
2. Name the ketone bodies. Discuss ketoogenesis and ketolysis

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

3. Renal regulation of acid base balance
4. Urea cycle
5. Phospho lipids
6. Glycogenolysis
7. Biochemical functions and deficiency manifestations of vitamin C (Ascorbic acid)

SHORT ANSWERS 5 x 2 = 10 Marks

8. Benedict's test
9. Beri beri
10. Glycogen
11. Essential amino acids
12. Mention the normal serum levels of
    a) Creatinine (b) Sodium (c) Potassium

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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. Enumerate the different parts of excretory system with neat diagram. Describe the Kidney in details
2. Enumerate the different parts of respiratory system. Describe the Lung in details

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

3. Testis
4. Duodenum
5. Gluteus Maximums muscle
6. Structure and functions of heart

SHORT ANSWERS 6 x 2 = 12 Marks

7. Great Saphenous Vein
8. Parts of thyroid gland
9. Name the carpal bones
10. name the arteries supplying the stomach
11. Name the meninge's of the brain
12. Various positions of vermiform appendix

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

Use separate answer book

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

1. What is Erythropoiesis? Describe the stages of erythropoiesis
2. Define cardiac cycle. Mention the events in the cardiac cycle. Briefly describe ventricular systole

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

3. Intrinsic mechanism of coagulation
4. Explain factors influencing blood pressure
5. Draw a spirogram indicating various lung volumes and capacities
6. Describe functions of saliva
7. Name plasma proteins. Mention their functions

SHORT ANSWERS 4 x 2 = 8 Marks

8. Mention hormones secreted by anterior pituitary gland
9. Mention actions of testosterone
10. Define landsteiners law
11. Draw a labeled diagram of Nephron

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Aug / Sep 2011

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 structure, location, blood supply and lymphatic drainage of stomach
2. Describe the blood supply of heart

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

3. Spinal nerve
4. Retina
5. Adipose tissue
6. The diaphragm
7. Prophase I
8. Spleen
9. Prostate

SHORT ANSWERS 5 x 3 = 15 Marks

10. Name the extra ocular (Extrinsic) muscles of eye
11. Bone cells
12. Basal nuclei
13. Auditory tube
14. Lens

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

Use separate answer book

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

1. Describe in detail the control and regulation of respiration
2. Enumerate the clotting factors. Describe the pathway for coagulation

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

3. Describe neuro muscular junction
4. Draw a neat labeled diagram of ECG
5. Describe heart sounds
6. Functions of WBC
7. Functions of liver
8. Conducting system of heart
9. Vital capacity

SHORT ANSWERS 5 x 3 = 15 Marks

10. Functions of growth hormone
11. Functions of testosterone
12. Reflex ARCH
13. ESR
14. Functions of skin

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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 female genital system. Describe the uterus in detail
2. Classify the bones. Describe the long bone in detail
3. Name the different parts of pharynx. Describe nasopharynx in detail

SHORT ESSAYS — 8 x 5 = 40 Marks

4. Thymus
5. Cerebral hemisphere
6. Skeletal muscle tissue
7. Superarenal gland
8. Microscopic structure of thyroid gland
9. Microscopic structure of parotid gland
10. Trachea
11. Pericardium

SHORT ANSWERS — 10 x 2 = 20 Marks

12. Name any four cranial nerves
13. Name any four branches of external carotid artery
14. Cephalic vein
15 Brachial artery
16. Name the muscles supplied by musculocutaneous nerve
17. Name the atypical cervical vertebra
18. Name the boundaries of femoral triangle
19. Name the bones forming the pelvis
20. Mention any four peculiarities of clavicle
21. Name the ligaments of ankle joint

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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 discuss its scope in nursing
2. Define family and explain forms of families in India
3. What are the social problems in India? Explain one of them in detail

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

4. Features of industrial society
5. Cooley's classification of social group
6. Features of nuclear family
7. Social stratification
8. Characteristics of Indian villages
9. Forms of social control
10. Agencies of socialization
11. Assimilation
12. Types of co-operation
13. Tribal community

SHORT ANSWERS 10 x 2 = 20 Marks

14. Joint family
15 Ingroup and outgroup
16. Effects of slums
17. Fraternal polyandry
18. Fashion
19. Isolation
20. Effect of alcoholism
21. Population explosation
22. Define community
23. Define primary group

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I Year B.Sc. (Nursing - Basic) Degree Examination – Aug / Sep 2011

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. Define disinfection and antisepsis. Describe the various disinfectants
2. Describe the morphology, cultural characters, pathogenecity and laboratory diagnosis of Staphylococcus aureus
3. Classify hepatitis viruses. Describe the pathogenecity and laboratory diagnosis of hepatitis B virus

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

4. Hot air oven
5. Flagella
6. Immunoglobulin A
7. Laboratory diagnosis of malaria
8. Entamoeba histolytica
9. Microfilaria
10. Blood culture
11. Classification of fungi
12. Dermatophytes
13. Mycotoxins

SHORT ANSWERS 10 x 2 = 20 Marks

14. Name 2 autoclave indicators
15 Phagocytosis
16. Name 2 bacteria causing sexually transmitted diseases
17. Method of collection of sputum for M.tuberculosis recommended by RNTCP (Revised National Tuberculosis Control Program)
18. Give 2 examples of RNA viruses
19. Draw a neat and labeled diagram of HIV virus
20. Name 2 concentration methods for ova and cyst
21. Name 2 opportunistic fungal infections
22. Aflatoxin
23. Define dimorphic fungi. Give an example

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