

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – Feb / Mar 2012

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. (a) Describe the Gross Anatomy of stomach. (b) Add a note supply and Lymphatic drainage.
2. Describe the female reproductive system.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Upper end of femur.
4. Urinary bladder.
5. Tongue.
6. Thoracic duct.

SHORT ANSWERS

6 x 2 = 12 Marks

7. Microscopic structures of pancreas.
8. Name the parts of brain stem.
9. Name four muscles of larynx.
10. Give the attachments of biceps brachii muscle.
11. Name the air sinuses opening into middle meatus of nose.
12. Name four branches of femoral nerve.

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

Use separate answer book

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define Landsteiner's law. Describe the Rh blood group system and add a note on consequences of Rh incompatibility.
2. Mention the endocrine glands and list the hormones secreted by all of them. List the functions of cortisol.

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Neuro muscular junction.
4. Functions of platelets.
5. Different methods of artificial respiration.
6. Functions of skin.
7. Mention the different refractive errors of the eye and explain any two of them with diagram.

SHORT ANSWERS

4 x 2 = 8 Marks

8. Heart sounds.
9. Functions of Cerebrospinal fluid (CSF).
10. Mention four family planning methods in females.
11. All or None law.

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I Year B.Sc. (Nursing - Basic) Degree Examination – Feb / Mar 2012

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 synovial joints under the following headings:
a) Common structures b) Types with examples
2. Describe the stomach
3. Describe the position, supports and blood supply of uterus

SHORT ESSAYS

8 x 5 = 40 Marks

4. Pericardium
5. Gall bladder
6. Gluteus maximus
7. Ankle joint
8. Superior venacava
9. Hilum of lungs
10. Parathyroid glands
11. Left ureter

SHORT ANSWERS

10 x 2 = 20 Marks

12. Name the bones forming nasal septum
13. Hyaline cartilage
14. Mitochondria
15. Name any two sensory tracts in spinal cord
16. Name the parts of hind brain
17. Rods and Cones of eyeball
18. Name the ear ossicles
19. Sagittal section
20. Name the parts of colon
21. Median cubital vein

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I year B.Sc. (Nursing - Basic) Degree Examination – Feb / Mar 2012

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) State the purpose and indication of oxygen administration
b) Discuss in brief on method of oxygen administration
2. a) Define Rehabilitation
b) Discuss briefly on scope and process of rehabilitation
3. a) Discuss on changing concepts of health and disease
b) Explain the role of nurse in health care delivery system

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Discharge procedure
5. Pyrexia and its management
6. Principles of communication
7. Thermometer technique
8. Assisting in lumbar puncture
9. Wound dressing
10. Techniques of physical examination
11. Care of patient on restraints
12. First aid for hemorrhage
13. Isolation techniques

SHORT ANSWERS

10 x 2 = 20 Marks

14. Records & reports
15. Blood pressure
16. Anorexia
17. Electrocardiogram
18. Shock
19. Constipation
20. Exercise
21. Instillation
22. Nursing assessment
23. Positions

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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. What are concepts? Explain piaget's theory of development of concepts
2. What is memory? Explain the methods of memorizing
3. What are conflicts? Explain the types of conflicts

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Explain organization of perception
5. Explain emotion and health
6. Discuss the role of heredity and environment
7. Explain the factors influencing creativity
8. Explain instrumental conditioning theory of learning
9. Describe the tools thinking
10. Explain the teacher-learner relationship
11. Explain the steps of evaluation
12. Describe projective technique of personality assessment
13. Explain the ories of emotion

SHORT ANSWERS

10 x 2 = 20 Marks

14. Methods of psychology
15. Para psychology
16. Span of attention
17. Insightful learning
18. Drive
19. Super ego
20. Amnesia
21. Questionnaire
22. Genius
23. Errors in thinking

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I Year B.Sc. Nursing Degree Examination – Feb / Mar 2012

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 sterilization. Discuss about moist heat sterilization
2. Define and classify Hypersensitivity. Discuss about types I hypersensitivity
3. Define Nosocomial infection. Enumerate factors contributing to the occurrence and severity of the Nosocomial infection. Add a note on diagnosis and control of Nosocomial infections

SHORT ESSAYS (Any Ten)

10 x 5 = 50 Marks

4. Bacterial cell wall
5. Enriched media
6. Universal precautions
7. Laboratory diagnosis of syphilis
8. ELISA
9. Subcutaneous mycoses
10. Amoebiasis
11. Discuss laboratory monitoring of HIV infection
12. Laboratory diagnosis of pulmonary tuberculosis
13. Aseptic measures in operation theatre
14. Hospital infection control committee
15. Gram stain

SHORT ANSWERS

10 x 3 = 30 Marks

16. B C C vaccine
17. What is VDRL test? Mention 4 sexually transmitted diseases
18. What is Food poisoning? Mention 4 bacterial causing food poisoning
19. What is lawn culture? Name any 4 biochemical tests to identify bacteria
20. What is black water fever? Mention 4 species of malarial parasites
21. What is Herd immunity? Mention 4 viral vaccines
22. Mention any 4 contributions of Louis pasteur
23. What is Histoplasmosis? Mention four fungi causing systemic mycoses
24. Discuss the laboratory diagnosis of urinary tract infections
25. Discuss the prophylaxis of diphtheria

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I Year B.Sc. Nursing Degree Examination – Feb / Mar 2012

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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 Hypersensitivity. Discuss in detail about Anaphylaxis.
2. Describe the morphology, culture, pathogenesis, lab diagnosis and prophylaxis of *Corynebacterium diphtheriae*
3. Define infection and classify different infections. Discuss in detail about hospital borne infection their development and control

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. VDRL test
5. HIV – diagram, modes of transmission and AIDS
6. Bacterial spore – diagram and description
7. Hanging Drop preparation
8. *Candida albicans*
9. *Ancylostoma duodenale* – life cycle, clinical features and treatment
10. Laboratory diagnosis of pulmonary tuberculosis
11. Negative staining – principle and procedure
12. Cultivation of viruses

SHORT ANSWERS

10 x 2 = 20 Marks

13. Write any two transport media
14. Name any two infectious wastes
15. Mention any two uses of ELISA
16. Name any two biological vectors
17. Pasteurization
18. VDRL test
19. Name two non bile stained eggs
20. Name the symmetry of Viruses
21. Name any two live viral vaccines
22. Define immunity

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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. Name the etiologic agent of cholera. Write in detail on the pathogenesis and laboratory diagnosis of cholera
2. Define and classify hypersensitivity. Write in detail on Type I hypersensitivity
3. Name the malarial parasites. Describe the life cycle and laboratory diagnosis of any one of them

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Gas gangrene
5. Food poisoning
6. Pneumococci
7. Blood culture
8. Relapsing fever
9. Use of Embryonated egg in virology
10. Hepatitis B virus
11. Balantidium coli
12. Trichinella spiralis
13. Candida albicans

SHORT ANSWERS

10 x 2 = 20 Marks

14. Name 2 bacteria causing diarrhea
15. Antibiotic sensitivity test
16. Phagocytosis
17. Structure of IgG
18. Name 2 bacterial zoonotic diseases
19. Flagella
20. Log phase of bacterial growth
21. Tyndallisation
22. DPT vaccine
23. Name 2 bacteria causing nosocomial infections

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Max. Marks: 80 Marks

MIDWIFERY INCLUDING MATERNITY AND GYNAECOLOGICAL NURSING - II (Revised Scheme) **Q.P. CODE: 1692**

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) Enumerate the causes, signs and myarptions of atonie PPH (b) Explain the management of atonic PPH
2. Discuss the minor disorders of pregnancy and management
3. a) Define eclampsia (b) Explain the obstetric and nursing management of an antenatal mother at 36 weeks of gestation admitted with eclampsia.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Rh incompatibility
5. Intra uterins contraceptive devices
6. Molar pregnancy
7. Artificial reproductive techniques
8. Prostaglandins
9. Episiotomy
10. VVF and RVF
11. Hypermesis gravidarum
12. Olinghydramnios
13. Biophysical assessment of the fetus

SHORT ANSWERS

10 x 2 = 20 Marks

14. Degrees of placenta previa
15. Universal precaution
16. Retroverted gravid uterus
17. Vasa pra
18. Phenyl ketonuria
19. Effects of maternal hypothyroidism in newborn
20. Internal version
21. Lochia
22. Menopayse
23. Implantation bleeding

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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. Write the steps involved in nursing process.
B. Explain in detail the first step.
2. A. Write the steps of parental therapies.
B. Explain the routes and purposes of parental therapies.
3. A. Define peri operative nursing.
B. Explain the post operative phase.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Nursing care of patient with hypothermia.
5. Factors influencing pain and types of pain.
6. Qualities and functions of a Nurse.
7. Types of discharge from hospital.
8. Methods of effective communication.
9. Role of nurse in providing clean and safe environment.
10. Safety devices.
11. Bladder irrigation.
12. Types of hospital waste.

SHORT ANSWERS

10 x 2 = 20 Marks

13. Venipuncture.
14. Pulse Oximetry.
15. Immunity.
16. Inspection.
17. Sitzbath.
18. Surgical asepsis.
19. Topical medicine administration.
20. Embalming.
21. Gastric analysis.
22. Health- illness continuum.

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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. What is blood pressure? Explain the factors affecting blood pressure
2. What are the different types of urinary catheters? Explain the nurses responsibility in urinary catheterization
3. Define nursing process? Explain the different steps in nursing process

SHORT ESSAYS (Any Ten)

10 x 5 = 50 Marks

4. The health illness continuum
5. Illness and illness behaviour
6. Guidelines for reporting
7. Qualities of a nurse
8. Nursing as a profession
9. Nursing ethics
10. Admission procedure of a patient
11. Therapeutic communication
12. Inter personal relationship
13. Hyperthermia
14. Patients unit
15. Feeding a helpless patient

SHORT ANSWERS

10 x 3 = 30 Marks

16. Euthanasia
17. Autopsy
18. Communication process
19. Naso – gastric suction
20. List comfort devices
21. List medico – legal issues in nursing
22. Define Embalming
23. Differentiate between retention and incontinence
24. Factors influencing coping
25. Define conceptual models

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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. a) Define carbohydrates
b) Write about the digestion, absorption and metabolism of carbohydrates
2. a) Discuss the applied nutrition programme
b) Write the role of nurse in applied nutrition programme

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Classification and sources of protein
4. Integrated child development scheme
5. Food standards
6. Explain the functions of calcium in our body
7. Role of nurse in nutrition education
8. Methods of food preservation

SHORT ANSWERS

5 x 2 = 10 Marks

9. Obesity
10. Sources of Iron
11. Steaming
12. Macronutrients
13. Basal metabolic rate

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

Use separate answer book

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Discuss the Metabolism of Tyrosine. What are the biologically important compounds formed from tyrosine. Add a note on Alkaptonuria
2. Describe the sources, daily requirement, biochemical functions and regulation of serum calcium level

SHORT ESSAYS (Answer any Two)

2 x 5 = 10 Marks

3. Discuss the factors affecting Enzyme activity
4. Phospholipids
5. Creatinine clearance test

SHORT ANSWERS

5 x 2 = 10 Marks

6. Beri-Beri
7. Metabolic Alkalosis
8. Iodine
9. Write the normal levels of

a) FBS	b) Blood Urea
c) Serum Total Protein	d) SGOT
10. Name biologically important compounds formed from cholesterol

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I Year B.Sc. Nursing (PC) Degree Examination – Feb / Mar 2012

Time: Two Hours

Max. Marks: 35 Marks

NUTRITION AND DIETETICS (RS-3 & RS-4)

Q.P. CODE: 1732

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

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. a) Define Community Nutrition
 b) Explain the need for community nutrition programme
2. a) What are the nutritional needs of a pregnant woman
 b) Plan a menu for a patient with Diabetes

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Deficiencies of vitamins
4. Body building food
5. Under nutrition
6. Planning diet for lactating mother

SHORT ANSWERS

5 x 2 = 10 Marks

7. Steaming
8. Food preservation
9. Vegetable soup
10. Balanced diet
11. Functions of Vit. B12

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I Year B.Sc. (Nursing - Basic) Degree Examination – Feb / Mar 2012

Time: Three Hours
Marks

Max. Marks: 80

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. Describe the visual pathway with a diagram
2. Describe the formation of urine

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Describe the extrinsic pathway for clotting
4. Define and give normal values of a) Expiratory reserve volume b) Vital capacity
5. Describe the functions of progesterone
6. Describe the oxygen dissociation curve
7. Draw and label the conducting system of the heart

SHORT ANSWERS

5 x 2 = 10 Marks

8. Define motor unit
9. Name four gastro intestinal hormones
10. Name the centres for neural regulation of respiration
11. Define cardiac output
12. Name the sensations carried by dorsal column

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 E.M.pathway of glycolysis & discuss how much ATPs are formed during aerobic & anerobic pathways
2. Discuss the sources, functions, daily requirements & deficiency manifestations of vitamin A

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Lipoproteins – classification & functions
4. Structure & functions of Insulin
5. Formation & fate of ketone bodies
6. Cori's cycle & its significance
7. Metabolic acidosis

SHORT ANSWERS

5 x 2 = 10 Marks

8. Beri Beri
9. Anion gap
10. Organic constituents present in urine
11. Iso electric pH
12. Essential fatty acids

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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 mental health. Discuss the characteristics of a mentally healthy person
2. Define psychology. Explain the scope of psychology and its relevance to nursing
3. Define personality. Explain any one theory of personality development.

SHORT ESSAYS (Any Ten)

10 x 5 = 50 Marks

4. Causes of forgetting
5. Ego defense mechanism
6. Guidance and counseling
7. Heredity and environment
8. Theories of emotion
9. Classical conditioning
10. Maslow's need theory
11. Organization of perception
12. The experimental method
13. Types of conflict
14. Stress and adaptation
15. Vulnerable individuals

SHORT ANSWERS

10 x 3 = 30 Marks

16. IQ.
17. ID
18. Chunking
19. Illusion
20. Aptitude
21. Problem solving
22. Reinforcement
23. Rationalization
24. Learning by insight
25. Attention

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I Year B.Sc. Nursing Degree Examination – Feb / Mar 2012

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 in detail the methods in psychology
2. Explain the theories of emotions
3. What is ego defence mechanism? Explain any two with examples

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Explain any two branches of psychology
5. Explain factors influencing attention
6. List factors influencing forgetting
7. Explain the various types of learning
8. Types of personality tests
9. Importance of environment in behavior change
10. Psychometric assessment of emotions and attitudes
11. Strategies of promotive and preventive mental health
12. Characteristics and uses of psychological tests

SHORT ANSWERS

10 x 2 = 20 Marks

13. Write any two definitions of psychology
14. Types of memory
15. Stress
16. Ego
17. Perception
18. Social motives
19. Heredity
20. Adaptation and Coping
21. Geriatric problems
22. Role play

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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 marriage and describe forms of marriages
2. Scope of sociology in nursing profession
3. Define caste and explain its features

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Characteristics of rural community
5. Urban health problems
6. Folkways and mores
7. Difference between society and community
8. Problems of modern family
9. Technological factors of social change
10. Changes in Indian family
11. Characteristics of culture
12. Agencies of social control
13. Role and status

SHORT ANSWERS

10 x 2 = 20 Marks

14. Define society
15. Filocentric family
16. In group & out group
17. Air pollution
18. Women welfare
19. Exogamy
20. Public opinion
21. Define culture
22. Poverty
23. Conflict
