Rajiv Gandhi University of Health Sciences, Karnataka

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

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 organs of GIT. Describe in detail anatomy of liver.
2. What are the four basic types of tissues found in the body? Draw and label the histological structure of the skeletal muscle.
3. What are the quadrants of the abdomen? Mention the organs present in the female pelvis.

SHORT ESSAYS 8 x 5 = 40 Marks

4. Ureter
5. Testis
6. Microscopic structure of hyaline cartilage
7. Layer of uterus
8. Long bones
9. Tongue
10. Lymph node
11. Skin

SHORT ANSWERS 10 x 2 = 20 Marks

12. What are the actions of the sterno-cleido mastoid muscle?
13. Mention two muscles supplied by the median nerve.
14. Palatine tonsil
15 Great saphenous vein
16. Ulnar artery
17. Name the movements of elbow joint.
18. Enumerate the para-nasal air sinuses.
19. Name the branches of the abdominal aorta supplying the gut.
20. Ankle joint
21. Name the Carpels.

Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: 3 Hours | Max. Marks: 40 Marks

Physiology

Q.P. Code: 1677

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1677 and 1678 are to be answered within total duration of 3 hours)

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

1. Name the hormones of anterior pituitary gland. Describe the actions of growth hormone. Add a note on Gigantism.
2. Define Erythopoiesis. Describe the stages and factors regulating Erythropoiesis.

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

3. What is the composition and functions of saliva?
4. Explain the actions of estrogen and progesterone.
5. Define synapse. Describe the mechanism of transmission of impulse across synapse.
6. Describe the functions of cerebrospinal fluids. Add a note on lumbar puncture.
7. Describe the structure and functions of Neutrophil.

SHORT ANSWERS 5 x 2 = 10 Marks

8. Name the muscles of respiration.
9. Name the primary taste sensations.
10. Define active transport. Mention its types.
11. Name the temporary methods of contraception in females.
12. Draw a neat diagram of ECG and label its parts.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: 3 Hours | Max. Marks: 40 Marks

Biochemistry

Q.P. Code: 1678

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

(Note: Both QP Codes 1677 and 1678 are to be answered within total duration of 3 hours)

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

1. What is Homeostasis? Explain the factors maintaining Homeostasis of Blood.
2. Mention rich sources and RDA of Vitamin C. Discuss in detail about its functions and deficiency manifestations.

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

3. Creatinine clearance test
4. Absorption of glucose in the intestine
5. Metabolic acidosis
6. Lipoproteins
7. Explain the chemistry of digestion of Proteins.

SHORT ANSWERS 5 x 2 = 10 Marks

8. Essential amino acids
9. Beriberi
10. Nature of Acid and Base
11. Bile salts in urine
12. Write the normal blood levels of (a) Urea, (b) Sodium, (c) Potassium and (d) Calcium.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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 methods of specimen collection.
   c) Write Nurse's responsibility in collection and transportation of 24 hours urine specimen.
2. a) Define immobility.
   b) List-out the complications of immobility.
   c) Apply nursing process in the care of patient a bed ridden patient.
3. a) Define health.
   b) What are the levels of disease prevention?
   c) Role of a nurse in health care delivery system

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

4. Care of patient with fever
5. Types of pain
6. Health illness continuum
7. Comfort devices
8. Qualities of nurse
9. Principles of First Aid
10. Assisting in Lumbar puncture
11. Role of nurse in rehabilitation
12. Team nursing
13. Prevention of pressure sore

SHORT ANSWERS 10 x 2 = 20 Marks

14. Vital signs
15 Convert 38^{o} C to Fahrenheit.
16. Rigor mortis
17. Sign vs Symptom
18. Suppository
19. Percussion
20. Traction
21. Nursing diagnosis
22. Types of enema
23. Nursing measures for relieving urinary retention

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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 infection. Describe the various modes of transmission of infection.
2. Enumerate the various organisms causing Urinary tract infection. Discuss in detail laboratory diagnosis of Urinary tract infection.
3. Describe the morphology of HIV. Add a note on the laboratory diagnosis of HIV infection.

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

4. Autoclave
5. Agglutination reactions
6. Draw the structure of Hepatitis B virus and laboratory diagnosis.
7. Universal precautions
8. Opportunistic infections
9. Amoebic dysentery
10. Gas gangrene
11. Pathogenesis and laboratory diagnosis of Staphylococcus aureus
12. Tuberculin test
13. Candida albicans

SHORT ANSWERS 10 x 2 = 20 Marks

14. List two contributions of Robert Koch.
15 Name two selective media.
16. DPT vaccine
17. Name two organisms causing food poisoning.
18. Draw a labeled diagram of Trichomonas vaginalis.
19. Name two DNA viruses.
20. Name four disinfectants.
21. Name two bile stained eggs.
22. Draw a diagram of immunoglobulin G.
23. Name two capsulated organisms.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours Max. Marks: 50 Marks

Anatomy

Q.P. Code: 1746

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes **1746** and **1747** are to be answered within total duration of 3 hours)

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

1. List the parts of the digestive system and explain the stomach in detail.
2. Discuss the gross and microscopic structure of the pituitary gland.

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

3. Cartilages forming the larynx
4. Kidney structure
5. Golgi apparatus
6. Aorta
7. Internal ear
8. Curvatures of the vertebral column
9. Cerebellum

SHORT ANSWERS 5 x 3 = 15 Marks

10. Bundle of His
11. Zones of adrenal cortex
12. Parts of the large intestine
13. Superficial veins of the upper limb
14. Fracture

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I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours Max. Marks: 50 Marks

Physiology

Q.P. Code: 1747

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes **1746** and **1747** are to be answered within total duration of 3 hours)

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

1. What is Erythropoesis? Describe the stages and factors influencing it.
2. Describe the molecular basis of skeletal muscle contraction.

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

3. Draw a normal ECG. Explain the causes of the different waves.
4. Define and classify hypoxia. Describe any two of them.
5. Define Glomerular filtration rate and explain the factors regulating it.
6. Describe the circulation and functions of cerebrospinal fluid.
7. Describe the Visual Pathway.
8. Describe the different phases of action Potential and their ionic basis.
9. Enumerate the actions of insulin. Add a note on Diabetes Mellitus.

SHORT ANSWERS 5 x 3 = 15 Marks

10. Name any four gastrointestinal hormones.
11. List the methods of contraception in males.
12. Draw a neat labeled diagram of a reflex arc.
13. List the functions of oxytocin.
14. Parkinson's disease

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours Max. Marks: 60 Marks

Nutrition

Q.P. Code : 1748

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes **1748** and **1749** are to be answered within total duration of 3 hours)

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

1. Define malnutrition. Explain the management of protein energy malnutrition.
2. Classify proteins. Explain the functions, sources and deficiencies of proteins.
3. Define balanced diet. Explain the menu planning for a pregnant woman.

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

4. National nutritional policy
5. Importance of breast feeding
6. Methods of cooking
7. Factors affecting nutrition
8. Milk hygiene
9. Fluid electrolyte imbalance
10. Vit A deficiencies

SHORT ANSWERS 5 x 3 = 15 Marks

11. Scurvy
12. Sources of calcium
13. Food fortification
14. ICDS
15. Diet for the elderly

*****

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours Max. Marks: 40 Marks

Biochemistry

Q.P. Code: 1749

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary
(Note: Both QP Codes 1748 and 1749 are to be answered within total duration of 3 hours)

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

1. Describe in detail the Hexose Monophosphate Pathway. Mention the significance of HMP pathway.
2. Mention/List different components of eukaryotic cell. Explain fluid–mosaic model of cell membrane.

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

3. Explain the renal regulation of acid-base balance in the body.
4. Explain Electrophoresis and its application.
5. Define diffusion. Enumerate the factors influencing diffusion.
6. Explain hormonal regulation of blood sugar level.

SHORT ANSWERS 5 x 3 = 15 Marks

7. Structure and functions of mitochondria
8. Mention 2 Polysaccharides and their importance.
9. Write four causes of metabolic acidosis.
10. Write four functions of Vitamin A.
11. What is glycosuria and how it is detected in the laboratory?

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 37 Marks

Anatomy

Q.P. Code : 1753

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

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

1. Name the different parts of Male reproductive system. Describe the gross anatomy of testis under the following headings (a) Situation (b) Coverings (c) Blood supply.
2. Name the parts of circulatory system. Describe the Heart under the following headings (a) Situation (b) Surfaces and borders (c) Chambers (d) Blood supply.

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

3. Structure of spinal cord
4. Male urethra
5. Deltoid muscle
6. Kidney

SHORT ANSWERS 6 x 2 = 12 Marks

7. Pons
8. Name the Tarsal bones.
9. Name 3 parts of small intestine.
10. Name the branches of Brachial artery.
11. Gall bladder
12. Name the blood supply of brain.

*****

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 38 Marks

Physiology

Q.P. Code : 1754

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

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

1. Describe the ABO blood group system. Add a note on blood transfusion.
2. Describe the transport of oxygen in the blood. Add a note on Hypoxia.

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

3. Cerebro spinal fluid
4. Describe actions of thyroid hormone.
5. Functions of liver
6. Spermatogenesis
7. Actions of estrogen

SHORT ANSWERS 4 x 2 = 8 Marks

8. Functions of Hypothalamus
9. Mention functions of middle ear.
10. Define vital capacity. Give its normal value.
11. Draw a neat diagram of reflex arc.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 45 Marks

Nutrition

Q.P. Code : 1755

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

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

1. Explain about the national programmes related to nutrition.
2. Classify carbohydrates. Explain about the digestion, absorption and metabolism of carbohydrates.

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

3. Prevention of food adulteration act (PFA)
4. Explain food groups.
5. Factors affecting food and nutrition
6. Functions of fats
7. Deficiencies of vitamins
8. Measurement of basal metabolism
   i) Direct & ii) indirect calorimetry

SHORT ANSWERS 5 x 2 = 10 Marks

9. Malnutrition
10. Roasting
11. Functions of iodine
12. Expands –ECF & ICF
13. Food preservation

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I Year B.Sc. Nursing Degree Examination – APRIL 2017

Time: 3 Hours | Max. Marks: 30 Marks

Biochemistry

Q.P. Code : 1756

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

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

1. Describe the sources, biochemistry, functions, requirement and deficiency manifestations of Vitamin A.
2. Describe the reactions of the urea cycle. Add a note on disorders of Urea Cycle.

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

3. Secondary structure of proteins.
4. Ketone bodies
5. Reducing Disaccharides.

SHORT ANSWERS (Answer all) 5 x 2 = 10 Marks

6. Essential amino acids
7. HLA Antigen
8. Beriberi
9. Anti-oxidant
10. Give the normal blood levels of - Urea and Creatinine.

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – APRIL 2017

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. (2+4+4)
   b) List the characteristics of a profession.
   c) What are the functions of a nurse?
2. a) Define Nursing process. (2+2+6)
   b) List the steps of Nursing process.
   c) Explain any two steps with examples.
3. a) What are vital signs? (2+8)
   b) Explain any one and their physiology and regulation, technique, important points to be remembered and factors affecting.

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

4. Explain the importance of nursing theories in care of a patient
5. Briefly explain care of a terminally ill patient.
6. Care of patients having alteration in urinary incontinence
7. List the types, nature and factors influencing pain.
8. Classify wounds and explain the healing process.
9. Define waste. Write about types and hazards associated with hospital waste.
10. List the routes of administration of drugs. Explain any two with examples.
11. Explain the role of a nurse in infection control.
12. Importance of maintaining body alignment

SHORT ANSWERS 10 x 2 = 20 Marks

13. Uses of Intake and output chart
14. Types of hospital waste
15. Hazards associated with immobility
16. List the Basic needs of a patient.
17. List the types of beds.
18. List any four therapeutic positions.
19. Types of equipments in a hospital with example
20. Methods of health assessment
21. Any four importance of documentation
22. List the Elements of communication.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

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 attitude and explain the factors affecting attitude development.
2. Discuss how personality is developed.
3. Explain the influence of heredity and environment on behaviour.

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

4. Scope of psychology
5. Levels of consciousness
6. Role of brain and behaviour
7. Amnesia
8. Cognitive theories of learning
9. Levels of thinking
10. STM
11. Psychoanalytical theory
12. Need for counseling

SHORT ANSWERS 10 x 2 = 20 Marks

13. Aims of adjustment
14. Mental health
15. List the methods of studying behaviour.
16. Body-mind interaction
17. Types of thinking
18. Define learning.
19. Self actualization
20. Types of needs
21. Genes and chromosomes
22. TAT

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL 2017

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 hypersensitivity. Explain type I hypersensitivity.
2. Describe the morphology of a bacterial cell with a neat labelled diagram.
3. Explain the pathogenesis, structure and lab diagnosis of HIV.

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

4. List down the methods of sterilization. Explain any one method in detail.
5. Enriched media and selective media with examples.
6. Laboratory diagnosis of Tuberculosis.
7. H1N1 virus.
8. Immunization schedule.
9. Acquired immunity.
10. Hydatid cyst.
11. Gram staining.
12. Dermatophytes.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Name two gaseous disinfectants.
14. Four contributions of Louis Pasteur.
15. Cold chain.
16. Biomedical waste management.
17. Oral thrush.
18. VDRL test.
19. OPV and IPV.
20. Name four intestinal nematodes.
21. Name four bacteria causing nosocomial infections.
22. Flagella.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: 3 Hours | Max. Marks: 60 Marks

Nutrition

Q.P. Code : 1748

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes **1748** and **1749** are to be answered within total duration of 3 hours)

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

1. Describe the Functions, Classification, Sources and recommended daily allowances of fat.
2. What is a balanced diet? Bring out the importance of balanced diet during pregnancy.
3. Discuss the points to be considered in safe food handling.

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

4. ICDS
5. Methods used in nutrition education
6. Points to be remembered while introducing weaning foods
7. Methods of cooking
8. Role of nutrition in maintaining health
9. Functions and deficiencies of proteins
10. Iodine deficiency disorder programme

SHORT ANSWERS 5 x 3 = 15 Marks

11. Functions of carbohydrates
12. Energy nutrients
13. Food Adulteration
14. Rickets
15. Sources of calcium

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

Time: 3 Hours | Max. Marks: 40 Marks

Biochemistry

Q.P. Code: 1749

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary
(Note: Both QP Codes 1748 and 1749 are to be answered within total duration of 3 hours)

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

1. Explain aerobic glycolysis. Note on its energetics
2. Describe the sources, functions and deficiency disorders of riboflavin.

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

3. Digestion and Absorption of protein
4. Classify carbohydrates with examples and note on heteropolysaccharides
5. Lipoproteins and their functions
6. Classify enzymes. Give examples of each class.

SHORT ANSWERS 5 x 3 = 15 Marks

7. Normal level of blood urea, creatinine, cholesterol, bilirubin
8. What are essential amino acids? Give four examples.
9. Define free radicals. Give two examples.
10. List four functions and deficiency of phosphorus.
11. Benedict's test

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: 3 Hours | Max. Marks: 37 Marks

Anatomy

Q.P. Code : 1753

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

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

1. Describe heart in detail.
2. Name the parts of excretory system. Describe kidney in detail.

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

3. Uterus
4. Spleen
5. Cerebellum
6. Suprarenal glands

SHORT ANSWERS 6 x 2 = 12 Marks

7. Name any four carpal bones
8. Name the branches of external carotid artery
9. Name the salivary glands
10. Parts of epididymis
11. Differences between large and small intestine
12. Histology of large artery

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

Time: 3 Hours | Max. Marks: 38 Marks

Physiology

Q.P. Code : 1754

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

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

1. Describe the mechanism of respiration.
2. Describe the functions of thyroid hormone. Name the diseases of hypo and hyper secretion of thyroid hormone.

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

3. Describe the functions of testosterone.
4. Name the different types of blood groups. Explain Landsteiner's law.
5. Name the conducting tissues of Heart. Explain the conduction of electrical impulse in the heart.
6. Describe the composition and functions of cerebrospinal fluid.
7. Explain the different stages of menstrual cycle.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Draw a neat diagram of neuron and label it.
9. Define cardiac cycle.
10. Explain saltatory conduction in Neurons.
11. Name the hormones of posterior pituitary gland.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: 3 Hours | Max. Marks: 45 Marks

Nutrition

Q.P. Code : 1755

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

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

1. What is therapeutic diet? Write briefly on modifications in therapeutic diet.
2. a) Explain the nutritional problems in India.
   b) Discuss the nutritional programmes in detail.

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

3. Protein energy malnutrition
4. Functions, sources and classification of lipids
5. Diet in Pregnancy
6. Weaning
7. Food hygiene
8. Principles and methods of cooking

SHORT ANSWERS 5 x 2 = 10 Marks

9. BMR
10. Adulteration
11. CFTRI
12. Sources of Iron
13. Nutrition education

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

Time: 3 Hours | Max. Marks: 30 Marks

Biochemistry

Q.P. Code: 1756

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary
(Note: Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

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

1. Explain in detail the steps involved in Aerobic Glycolysis and add a note on its energetics and regulation.
2. Classify Enzymes. Explain the properties of enzymes and influence of various factors on enzyme activity.

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

3. Functions of lipoproteins
4. Mechanism of Antibody Production
5. Functional classification of proteins

SHORT ANSWERS (Answer all) 5 x 2 = 10 Marks

6. Vitamin E
7. Write two functions of calcium.
8. Metabolic acidosis
9. Steroid Hormones
10. Mention the normal levels of Serum Chloride and Serum Sodium.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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 health and illness.
   b) Explain the impact of illness on patient and family.
2. a) Define communication.
   b) Discuss briefly on the characteristics and process of communication.
3. a) Define Hospital.
   b) Explain the classification of Hospital.
   c) Write the functions of Hospital.

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

4. Explain the care of dying patient.
5. Write the types and principles of bandaging.
6. Explain in brief about Health-Illness continuum.
7. Write the purposes and principles in Naso-gastric tube feeding.
8. Define pulse. List the sites and characteristics of pulse.
9. Explain about range of motion exercises.
10. Explain the Maslow's Hierarchial basic needs of human beings.
11. Define Pain. Explain the factors influencing pain and its management.
12. Explain Nurse's role in collection of specimens.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Purposes of Hand washing
14. Care of rubber items
15. Define Apnea.
16. List the various types of Barrier nursing.
17. Define Isolation.
18. List the types of hospital waste.
19. What is Auscultation?
20. List the purposes of cardiac bed.
21. Define infection.
22. What is Autopsy?

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Explain the methods to improve memory.
2. Describe the role of the nurse to control emotions in the patient.
3. Explain the psychoanalytic theory of personality.

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

4. Problem solving
5. Defense mechanisms
6. Warning signs of poor mental health
7. Ways to improve thinking
8. Delusions
9. Classification of motives
10. Importance of emotions
11. Indicators of stress
12. Components of personality

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define aptitude.
14. Drive
15. Causes of mental retardation
16. Importance of psychology in nursing
17. Counselor
18. Projection
19. Mental hygiene
20. Vignettes
21. List the traits of personality.
22. Incentive

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Rajiv Gandhi University of Health Sciences, Karnataka

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

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 culture media. Explain about enriched media or transport media or selective media or differential media.
2. Classify mycobacterium. Explain in detail about morphology, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
3. What is enteric fever? Write about the pathogenesis and lab diagnosis of typhoid fever.

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

4. Candida albicans or candidiasis
5. Immunoglobulin
6. Antibiotic sensitivity test
7. Rabies vaccine
8. Bacterial growth curve
9. Contribution of Louis Pasteur
10. Bacterial spore
11. Laboratory diagnosis of Corynebacteria diphtheria.
12. Widal test

SHORT ANSWERS 10 x 2 = 20 Marks

13. Name live vaccine.
14. Name four types of diarrhoea caused by E. Coli.
15. Name four DNA virus and RNA viruses.
16. Name four zoonotic infections.
17. Pasteurization
18. Name the method of treatment of biomedical waste.
19. Name any four transport media.
20. Hanging drop method
21. Draw a neat labeled diagram of a spore.
22. Gram staining procedure.

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