Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL-2019

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. What is meant by Haemopoiesis? Explain different stages of Erythropoiesis and add a note on Haemopoietic growth factors.
2. What is glomerular filtration? Explain glomerular filtration rate and its regulation.

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

3. Electrocardiogram
4. Composition and functions of pancreatic juice
5. Describe the stages of spermatogenesis.
6. Neurotransmitters
7. Functions of hypothalamus

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

8. Name the muscle proteins.
9. Name the functions of Glucocorticoids.
10. Mention any four functions of liver.
11. Mention any four functions of skin.
12. List the functions of CSF.

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL-2019

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. Define Gluconeogenesis. How lactate is converted in to glucose in the body?
2. Describe Kreb's citric acid cycle and its significance.

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

3. Write short note on Active Transport mechanism.
4. Explain the classification of enzymes with examples.
5. What are Essential fatty acids? Mention their importance and deficiency manifestations.
6. Enumerate the bio-chemical importance of proteins.
7. Explain the sources and bio-chemical role of vitamin – C.

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

8. List out four functions of Centromere.
9. Write Intercellular Connections.
10. Write four functions of Lipids.
11. Write down four advantages of ELISA test.
12. Four functions of Keratin.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL-2019

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 and classify hypersensitivity. Describe in detail the Type I hypersensitivity.
2. Enumerate Antigen-Antibody reactions. Describe in detail agglutination reaction.
3. Classify mycobacteria. Describe in detail the morphology and laboratory diagnosis in a case of suspected Pulmonary Tuberculosis. Add a note on RNTCP

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

4. Bacterial filters
5. Bacterial growth curve
6. Laboratory diagnosis of intestinal Amoebiasis
7. Pasteurization
8. Antibiotic sensitivity testing by disc diffusion
9. Phagocytosis
10. Draw a neat labelled diagram of IgE.
11. Morphological classification of bacteria
12. Cultivation of viruses in the laboratory
13. Life cycle of hookworm

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

14. Name two chemical disinfectants
15 Cyclops
16. Negri body
17. Define selective media. Give two examples.
18. Name two zoonotic bacterial infections.
19. Leishmania Donovani body (LD body)
20. Enumerate two viruses causing diarrhoea.
21. Enumerate the dermatophytes.
22. Kochs postulates
23. Name 2 tape worms

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

Time: 3 Hours **Max. Marks: 60 Marks**

NUTRITION

(Revised Scheme-2)

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. What is diet plan? Discuss steps that you consider while planning diet for 60 years person.
2. Define food adulteration and different method of food storage.
3. What are the functions of protein and mention the deficiency diseases of protein.

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

4. What are the main principles of Weaning?
5. Enlist the factors to be considered while planning meals.
6. Describe a) Source b) Absorption c) Storage d) Requirement and e) Deficiency of phosphorus.
7. Write a note on household methods of food preservation.
8. Explain ICDS programme.
9. Discuss the role of minerals in the body.
10. What are the various ways to assess the nutritional status?

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

11. Write the effects of excessive intake of fat.
12. What is Bland diet?
13. Role of macronutrients in our body.
14. What is the cause and cure of Rickets?
15. What are the different food borne diseases?

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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 the steps involved in TCA cycle and write a note on its energetics.
2. Describe the renal regulation of acid-base balance. Write a note on metabolic acidosis.

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

3. Heteropolysaccharides
4. Lipoprotein – types and functions of Lipoprotein
5. Essential amino acids
6. Name the key enzymes of gluconeogenesis and mention the significance of gluconeogenesis.

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

7. Benedict's test
8. Immunoglobulin-G
9. Normal serum levels of (a) sodium (b) potassium (c) chloride
10. Beri-Beri
11. Cori cycle

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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. Describe and classify hypersensitivity. Discuss in detail about type I hypersensitivity.
2. Classify viruses. Describe the morphology and multiplication of viruses.
3. Name the organism causing meningitis. Describe the laboratory diagnosis of bacterial meningitis.

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

4. Contribution of Louis Pasteur
5. Bacterial spore
6. Laboratory diagnosis of Corynebacteria diphtheria
7. Bacterial toxin
8. Nosocomial infection
9. Immunoglobulin
10. Antibiotic sensitivity test
11. Rabies vaccine
12. Urinary tract infection
13. Precipitation reaction
14. Autoclave
15. Mump virus

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

16. Swine flu
17. Uses of ELISA
18. Name different types of vaccine.
19. Skin allergy test
20. Draw Bacteriophage.
21. Name the species of plasmodium.
22. Name gaseous sterilization agent.
23. Name any four liquid media (broth).
24. Name four transport media.
25. Oral thrush

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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 cerebrum in detail.
2. Name the parts of the female reproductive system. Describe uterus in detail.

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

3. Pancreas
4. Larynx
5. Pituitary glands
6. Radial artery

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

7. Name muscles in the flexor compartment of arm
8. Types of cartilage with example
9. Name the parts of stomach
10. Contents of femoral triangle
11. Differences between exocrine and endocrine glands
12. Histology of medium sized artery

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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 in detail about clotting mechanism.
2. Describe the mechanism of respiration.

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

3. Describe factors regulating cardiac output.
4. Enumerate functions of liver.
5. Define glomerular filtration rate and describe factors regulating it.
6. Describe the structure and functions of neutrophils.
7. What is referred pain? Explain the theories for the referred pain.

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

8. Name the Antibodies.
9. Draw neat, labeled diagram of taste bud.
10. How much is total body water? How is it distributed in the body?
11. Write the actions of testosterone.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

Time: 3 Hours **Max. Marks: 45 Marks**

NUTRITION

(RS-3 & RS-4)

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. How are proteins classified? What are the sources of proteins? What is the caloric value of protein? Explain the deficiency diseases.
2. What is balanced diet? How do you plan a balanced diet for a pregnant woman?

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

3. Define lipids and explain the classification of lipids.
4. Describe the role of minerals in the body.
5. Describe personal hygiene of food handlers. Explain the signs of good meat and hygiene of slaughter houses.
6. What are the factors affecting food and nutrition?
7. Write various methods of food storage and food preservation.
8. Define weaning and explain the principles of weaning.

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

9. List the nutritional problems in India.
10. What are the functions of calcium?
11. What are electrolytes?
12. What are the sources of Vitamin D.
13. What is Obesity?

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

Time: 3 Hours **Max. Marks: 30 Marks**

Biochemistry

(RS-3 & RS-4)

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 Gluconeogenesis. Describe in detail about the pathway of gluconeogenesis.
2. Write the chemistry and biochemical functions of B-complex vitamins.

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

3. Describe the fluid mosaic structure of cell membrane.
4. Explain the lock and key model of enzyme action.
5. Urea cycle.

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

6. Write the four functions of billirubin.
7. Write the precautions need to be taken before performing GTT.
8. Essential amino acids.
9. Function of Vitamin A.
10. Write the normal level of a) Serum albumin and b) Serum protein.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – APRIL-2019

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 profession.
   b) Explain the characteristics of profession?
   c) Justify nursing as a profession.
2. a) Define wound.
   b) Explain classification of wound.
   c) Discuss factors affecting wound healing.
3. a) Explain 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. Write the purposes and role of nurse in Naso-gastric suction.
5. Explain in detail about Universal precautions.
6. Explain about the qualities and functions of a nurse.
7. What is Postural drainage? Explain the indications and positions used for postural drainage.
8. Barriers of effective communication
9. Explain about Cardio pulmonary resuscitation.
10. Care of unconscious patient
11. Roles and responsibilities of the nurse in admission procedure
12. Write in detail about Methods of physical examination.

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

13. Define Hyperthermia.
14. Define health.
15. Write the factors affecting respiration.
16. List the purposes of Sitz bath.
17. Function of a hospital
18. What is Anoxia?
19. Care of patient with pyrexia
20. Define Nosocomial infection.
21. List the comfort devices.
22. What is Inspection?

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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 personality and explain the types of personality.
2. Explain the psychology of different age groups.
3. Define motivation. Explain the types of motivation in detail.

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

4. James Lange theory of emotion
5. Types of conflict
6. Frustration
7. Explain the sources of stress.
8. Explain various conditions of learning.
9. Strategies of promotive and preventive mental health
10. Importance of guidance and counseling
11. Measurement of memory
12. Factors influencing attitude change

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

13. Mental age
14. Behavior
15. Ego
16. Repression
17. Illusion
18. Introspection
19. Self concept
20. Attitude
21. Introvert personality
22. Reward and punishment

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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 sterilization. Write the principle of sterilization. Explain detail about Dry Heat method.
2. Define and classify hypersensitivity. Write mechanism and mediators of anaphylaxis and add a note on its clinical importance?
3. Describe morphology, culture characteristics, pathogenicity and laboratory diagnosis of infection caused by salmonella typhi.

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

4. Prophylaxis in rabies
5. Gram's Stain- principle, theories and procedure.
6. Serological diagnosis of Syphilis.
7. Candidiasis.
8. Biomedical waste management.
9. Dermatophytes
10. Immunization schedule.
11. IgG.
12. Varicella zoster virus

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

13. Morphological classification of bacteria.
14. Blood agar
15. Mention four differences between Exotoxin and Endotoxin.
16. Mention the modes of transmission of Hepatitis B viral infection.
17. Name screening and confirmative test for HIV.
18. Name two special microscopes and mention one use for each.
19. Koch's postulates.
20. Name four common opportunistic infections encountered in HIV.
21. Draw a neat labeled diagram of Bacterial spore.
22. Name four anti-septic agents.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination –SEP-2019

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 the digestive system. Describe Stomach in detail.
2. Classify joints with example. Describe synovial joint in detail.
3. Name the parts of nervous system. Describe cerebrum in detail.

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

4. Tonsil
5. Uterus
6. Spinal cord
7. Skin
8. Epithelium
9. Left Kidney
10. Right atrium
11. Biceps brachii

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

12. Name the opening in the diaphragm
13. Name the four branches of femoral artery
14. Name the salivary glands
15 Name parts of uterine tube
16. Differences between artery and vein
17. Name four muscles of larynx
18. Name four carpal bones
19. Name four endocrine glands
20. Name Rotator cuff muscles
21. Median cubital vein

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – OCT-2019

Time: 3 Hours **Max. Marks: 40 Marks**

PHYSIOLOGY

(Revised Scheme)

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. Classify WBC'S and explain the morphological and functions of WBC'S with the help of diagrams.
2. Define cardiac cycle and explain the mechanical events occurring in it with a help of a neat labelled diagram.

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

3. Describe the juxta glomerular apparatus and their functions.
4. Explain the pain pathway with the help of a diagram.
5. Explain the errors of refractions and their correction.
6. Draw a spirogram and explain the lung volumes and capacities.
7. Describe the transmission of impulse across the neuromuscular junction.

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

8. Draw a neat labelled diagram of a neuron.
9. List the properties of reflex.
10. State Landsteiner's law.
11. List the non-excretory functions of kidney.
12. What is Acromegaly?

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – OCT-2019

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 glycolysis? Explain aerobic glycolysis in detail with energetics.
2. Explain the digestion and absorption of carbohydrates. Add a note on Lactose intolerance.

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

3. Explain Active and Passive Transport Mechanism.
4. Write the Urea cycle and its regulation.
5. Explain Electrophoresis and applications.
6. Write a short note on functions for calcium.
7. Explain Denaturation of Proteins.

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

8. Four functions of Golgi bodies.
9. Define Fructosuria.
10. Functions of Bile Salts.
11. Deficiency of Vitamin Niacin
12. Write four functions of Collagen.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL-2019

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 and classify hypersensitivity. Describe in detail the Type I hypersensitivity.
2. Enumerate Antigen-Antibody reactions. Describe in detail agglutination reaction.
3. Classify mycobacteria. Describe in detail the morphology and laboratory diagnosis in a case of suspected Pulmonary Tuberculosis. Add a note on RNTCP

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

4. Bacterial filters
5. Bacterial growth curve
6. Laboratory diagnosis of intestinal Amoebiasis
7. Pasteurization
8. Antibiotic sensitivity testing by disc diffusion
9. Phagocytosis
10. Draw a neat labelled diagram of IgE.
11. Morphological classification of bacteria
12. Cultivation of viruses in the laboratory
13. Life cycle of hookworm

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

14. Name two chemical disinfectants
15 Cyclops
16. Negri body
17. Define selective media. Give two examples.
18. Name two zoonotic bacterial infections.
19. Leishmania Donovani body (LD body)
20. Enumerate two viruses causing diarrhoea.
21. Enumerate the dermatophytes.
22. Kochs postulates
23. Name 2 tape worms

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – OCT-2019

Time: Three Hours **Max. Marks: 37 Marks**

ANATOMY
(RS2, RS3 & RS4)
Q.P. Code: 1753

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

LONG ESSAYS **1 x 10 = 10 Marks**

1. Describe the structure of lungs in detail with a diagram.

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

2. Describe in detail the stratified squamous epithelium with diagram.
3. Describe the right atrium in detail.
4. Name the parts of the female reproductive tract and describe the anatomy of uterus.

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

5. Draw labeled diagram of stomach.
6. Mention the parts of the brain.
7. Mention 4 contents of middle ear.
8. Name the parts of sternum.
9. Origin, insertion and nerve supply of deltoid muscle.
10. Name 4 cranial nerves.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – OCT-2019

Time: Three Hours **Max. Marks: 38 Marks**

PHYSIOLOGY
(RS2, RS3 & RS4)
Q.P. Code: 1754

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

(Note : Both QP Codes 1753 and 1754 are to be answered within total duration of 3 hours)

LONG ESSAYS **1 x 10 = 10 Marks**

1. Enumerate the various phases of Cardiac cycle. Add a note on Shock. (8+2)

SHORT ESSAYS **4 x 5 = 20 Marks**

2. Describe Neuroglia and its functions.
3. Differentiate between Internal and External respiration
4. Explain the functions of Liver
5. Describe the mechanism of reabsorption and secretion at Renal Tubules.

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

6. Define Osteoporosis.
7. List down the functions of middle ear.
8. Define Diabetes Insipidus.
9. What are the functions of uterus?

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEP-2019

Time: Three Hours **Max. Marks: 45 Marks**

NUTRITION
(RS2, RS3 & RS4)
Q.P. Code: 1755

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

(Note : Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

LONG ESSAYS **1 x 10 = 10 Marks**

1. a. What are food additives? Enumerate the classification of food additives.
   b. Write a note on food adulteration. (2+3+5)

SHORT ESSAYS **5 x 5 = 25 Marks**

2. What is the daily requirement of carbohydrates? Explain the metabolism of carbohydrates.
3. Explain with examples the food standardization system in India.
4. Explain the methods of food preservation.
5. Explain the role of nurse in iodine deficiency disorder.
6. Explain the dietary sources and functions of proteins.

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

7. What is hyperkalemia?
8. Classify Vitamins and give examples for same.
9. What are the factors affecting BMR?
10. Define extracellular fluids.
11. Give examples of complete proteins.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEP-2019

Time: Three Hours **Max. Marks: 30 Marks**

BIOCHEMISTRY
(RS2, RS3 & RS4)
Q.P. Code: 1756

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

(Note: Both QP Codes 1755 and 1756 are to be answered within total duration of 3 hours)

LONG ESSAYS **1 x 10 = 10 Marks**

1. Write down the Definition, classification and biological importance of carbohydrates?

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

2. Write a short note on the functions of Calcium.
3. Describe briefly about Ornithine- urea cycle.

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

4. List out four functions of mitochondria.
5. Define Pompe's Disease.
6. List down the names of ketone bodies.
7. List out four biomedical importance of Glycogen.
8. Define Agglutination.

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – OCT-2019

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

Nursing Foundation
(RS2, RS3 & RS4)
Q.P. CODE: 1757

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. a. Define enema.
   b. Classify enema.
   c. Explain the steps with scientific principles in enema. (2+3+5)
2. a. Define Intra Venous infusion.
   b. List the purposes and sites of IV infusion.
   c. Explain the complications of IV infusion. (2+5+3)

SHORT ESSAYS **7 x 5 = 35 Marks**

3. Classify and explain importance of values in Nursing.
4. Explain the step Planning, as a part of Nursing Process.
5. Describe the types of abnormal pulses.
6. Explain the assessment of Respiratory system using techniques of physical Examination.
7. Describe the importance and factors affecting the nutritional needs.
8. Explain barrier nursing.
9. Describe the nursing measures for urinary retention.

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

10. Differentiate between active and passive immunity
11. List down any four medico legal issues in admission of a patient.
12. List out the modes of communication.
13. What is progress note?
14. Name any four rubber goods.
15. Define surgical asepsis.
16. List the rights of medicine administration.
17. Mention complications of wound healing.
18. Enlist stages of death
19. Which are the phases of Inter Personal Relationship (IPR) according to Peplau?

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – OCT-2019

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

PSYCHOLOGY
(RS2, RS3 & RS4)
Q.P. CODE: 1758

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Define thinking. Explain favorable elements in thinking. (2+8)
2. What is an emotion? Explain the theories of emotion. (2+8)

SHORT ESSAYS **7 x 5 = 35 Marks**

3. Briefly explain the glandular control of the behaviour.
4. Explain trial and error method of learning.
5. Explain different ways to improve memory.
6. Briefly explain Maslow's theory of motivation.
7. Describe psycho analytical theory of personality.
8. Define grief and explain the stages of grief.
9. Define counseling and discuss the stages of counseling.

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

10. List down the steps of experimental method of psychology.
11. What are the characteristics of introverts?
12. What are types and traits?
13. List the psychological needs of women.
14. List down the psycho-sexual stages of development.
15. Factors affecting mental health
16. List the areas of guidance.
17. What are ego defence mechanisms?
18. What is individual and group test?
19. List down limitations of psychological tests.

*****

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – OCT-2019

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

MICROBIOLOGY
(RS2, RS3 & RS4)
Q.P. CODE: 1759

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

LONG ESSAYS **2 x 10 = 20 Marks**

1. Explain the morphology, pathogenesis, clinical symptoms, laboratory diagnosis and prophylaxis of polio virus. .(3+3+4)
2. Name the malarial parasites. Explain morphology, life cycle, clinical symptoms and laboratory diagnosis of Malarial Parasite.

SHORT ESSAYS **7 x 5 = 35 Marks**

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Draw a neat labeled diagram of bacterial growth curve. Explain growth curve.
5. Explain gram staining method.
6. Define disinfection. Explain disinfection using phenol (carbolic acid).
7. Define bio-medical waste. Describe the different methods of bio-medical waste treatment.
8. Define immunity. Explain artificial active immunity.
9. Explain VDRL test.

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

10. Give two examples of spore bearing Gram positive bacilli.
11. Define fumigation.
12. Name two vectors and the diseases transmitted by them.
13. Define Focal sepsis.
14. Name four parasites causing anemia.
15. Define zoonosis.
16. Name two opportunistic infections associated with HIV infection.
17. Define antigen.
18. Name two live vaccine.
19. Name two types of precipitation test.

*****