# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination –02-Feb-2022**

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

## ANATOMY (RS)
## 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 Respiratory system. Describe right lung in detail.
2. Describe thyroid gland in detail.
3. Name the parts of urinary system. Describe urinary bladder in detail.

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

4. Pharynx
5. Ovary
6. Mammary gland
7. Cartilage
8. Cerebellum
9. Clavicle
10. Oesophagus
11. Cephalic vein

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

12. Name the muscles of soft palate
13. Name the four branches of axillary artery
14. Draw neat labeled diagram of neuron
15 Achilles tendon
16. Differences between skeletal and cardiac muscle
17. Name four cartilage of larynx
18. Name four skull bones
19. Histology of vein
20. Name bones forming elbow joint
21. Apex beat

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 02-Feb-2022**

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

## NUTRITION
## (RS2, RS3, RS4 & RS5)
## 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. Describe personal hygiene of food handlers. Explain the signs of good meat hygiene and the hygiene of slaughter houses.

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

2. What is the calorific value of carbohydrate? List the key differences between Kwashiorkor and Marasmus.
3. Mention the role of nutrition in maintaining health.
4. Define weaning and explain the principles of weaning.
5. Explain in detail the methods of imparting nutrition education.
6. What is the requirement and functions of Iron?

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

7. How are foods classified?
8. What are the functions of vitamin A?
9. What are the rich sources of thiamine?
10. What is the energy requirement for a pregnant woman?
11. Define extracellular fluid.

**I Year B.Sc. Nursing Degree Examination – 02-Feb-2022**

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

## BIOCHEMISTRY
## (RS2, RS3, RS4 & RS5)
## 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. Define Gluconeogenesis. How lactate is converted into glucose in the body?

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

2. Write a short note on Active Transport mechanism.
3. Explain the classification of enzymes with one example.

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

4. List out four functions of Centromere.
5. Essential Amino acids
6. Write down four functions of Lipids.
7. List out four signs of Deficiency of Vitamin C.
8. Enlist four functions of Keratin.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Feb-2022**

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

## PHYSIOLOGY (RS)
## 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 respiratory centres. Explain the neural regulation of respiration
2. What is erythropoiesis? Describe the stages and factors influencing it

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

3. Describe the structure of Sarcomere
4. List the differences between first and second heart sounds
5. List the functions of saliva
6. Describe five functions of Hypothalamus
7. Explain the structure and functions of juxta glomerular apparatus

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

8. Mention two examples of neuro endocrine reflex
9. List the primary colours of vision
10. List two functions of sertoli cells
11. Name the types of RNA (Ribo Nucleic Acid)
12. List two functions of vestibular apparatus

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# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Feb-2022**

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

## BIOCHEMISTRY (RS)
## 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. Describe in detail the steps, regulation, energetics and Amphibolic nature of Tricarboxylic acid cycle.
2. Describe the sources, pro-vitamin form, functions and deficiency manifestations of Vitamin D.

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

3. Describe hormonal regulation of blood sugar level.
4. Describe Fluid Mosaic Model of cell structure.
5. Enumerate the bio-chemical importance of Lipids. Functions of lipids
6. Define Enzymes. Explain Competitive inhibition with suitable examples.
7. Digestion and absorption of proteins.

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

8. What is Rancidity?
9. List down four causes of metabolic acidosis.
10. Name any four steroid Hormones.
11. Difference between starch and glycogen
12. Essential amino acids.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**I year B.Sc. Nursing Degree Examination – 08-Feb-2022**

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

## NURSING FOUNDATION
## (RS2, RS3, RS4 & RS5)
## 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) Enlist the sites of pressure points
   b) Explain the nursing management for prevention of bedsore in bedridden patient

2. a) What are the different routes of administration of medication
   b) Explain principles of administration of medication

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

3. Describe professional conduct of a nurse.
4. Define nursing process. Explain the purposes and importance of nursing process.
5. Discuss on types of Fever.
6. What are the methods of health assessment? Explain any one method in detail.
7. Describe the factors affecting the nutritional needs.
8. Explain in detail barrier nursing.
9. Describe nursing management of a patient with dyspnoea.

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

10. Mention the levels of prevention.
11. What is the meaning of referral?
12. List out the modes of communication.
13. What is meaning of computerised documentation?
14. What is Autoclaving?
15. Define Nosocomial infection.
16. List out 5 R's of medication.
17. Mention any two complications of wound healing.
18. What is 'Rigor Mortis'?
19. List down any four theories in nursing.

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# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Sc. (Nursing - Basic) Degree Examination – 16-Feb-2022

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

## MICROBIOLOGY (RS)
## Q.P. CODE: 1681

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

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

1. Describe the morphology of a bacterial cell with the help of a neat diagram and mention the functions of various appendages
2. Enumerate antigen-antibody reactions. Describe the Principle, methodology and clinical applications of agglutination reaction with suitable examples
3. Mention the etiological agents of meningitis. Discuss the pathogenesis and laboratory diagnosis of acute pyogenic meningitis

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

4. CAMP Test
5. Malignant pustule
6. Lab diagnosis of syphilis
7. Cultivation of viruses
8. Infectious mononucleosis
9. Polio vaccines
10. Dengue virus
11. Entamoeba histolytica
12. Larva migrans
13. Cysticercosis

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

14. Draw a neat labeled diagram of Giardia
15 Name four bile stained eggs (OVA)
16. Universal safety precautions
17. Name two bacteria causing Nosocomial infection
18. Name two live attenuated viral vaccines
19. Name two opportunistic parasites
20. Draw a neat and labeled diagram of HIV
21. Name two selective media with examples
22. Cold sterilization
23. Name two chemical disinfectants

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# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 04-Feb-2022**

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

## ANATOMY
## (RS2, RS3, RS4 & RS5)
## Q.P. Code: 1753

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. Describe the ventricles of heart. Write a note on blood supply of heart.

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

2. Explain the anatomical structure of a human cell.
3. Name the parts of the female reproductive tract and describe the anatomy of uterus.
4. Classify the bones with examples.

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

5. Name the type of muscles.
6. Draw a labeled diagram of synovial joint.
7. Name the parts of digestive system.
8. Name the Ventricles of brain.
9. Mention the contents of middle ear.
10. Pituitary gland.

**I Year B.Sc. Nursing Degree Examination – 04-Feb-2022**

**Time: 3 Hours** **Max. Marks: 38 Marks**

## PHYSIOLOGY
## (RS2, RS3, RS4 & RS5)
## 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. Define Cardiac Output. Describe the regulation of Cardiac Output. Draw and explain a normal ECG curve.

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

2. Describe the Neuron with its functions.
3. Explain the mechanism of oxygen transport in blood.
4. Describe the composition of bile and its functions
5. Explain the regulation of temperature in human body.

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

6. State Sliding Filament Theory.
7. What is conjunctivitis?
8. List any four functions of Thyroid Hormone.
9. What is Gynaecomastia?

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 02-Feb-2022**

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

## NUTRITION
## (RS2, RS3, RS4 & RS5)
## 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. Describe personal hygiene of food handlers. Explain the signs of good meat hygiene and the hygiene of slaughter houses.

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

2. What is the calorific value of carbohydrate? List the key differences between Kwashiorkor and Marasmus.
3. Mention the role of nutrition in maintaining health.
4. Define weaning and explain the principles of weaning.
5. Explain in detail the methods of imparting nutrition education.
6. What is the requirement and functions of Iron?

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

7. How are foods classified?
8. What are the functions of vitamin A?
9. What are the rich sources of thiamine?
10. What is the energy requirement for a pregnant woman?
11. Define extracellular fluid.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 02-Feb-2022**

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

## BIOCHEMISTRY
## (RS2, RS3, RS4 & RS5)
## 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. Define Gluconeogenesis. How lactate is converted into glucose in the body?

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

2. Write a short note on Active Transport mechanism.
3. Explain the classification of enzymes with one example.

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

4. List out four functions of Centromere.
5. Essential Amino acids
6. Write down four functions of Lipids.
7. List out four signs of Deficiency of Vitamin C.
8. Enlist four functions of Keratin.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**I year B.Sc. Nursing Degree Examination – 08-Feb-2022**

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

## NURSING FOUNDATION
## (RS2, RS3, RS4 & RS5)
## 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) Enlist the sites of pressure points
   b) Explain the nursing management for prevention of bedsore in bedridden patient

2. a) What are the different routes of administration of medication
   b) Explain principles of administration of medication

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

3. Describe professional conduct of a nurse.
4. Define nursing process. Explain the purposes and importance of nursing process.
5. Discuss on types of Fever.
6. What are the methods of health assessment? Explain any one method in detail.
7. Describe the factors affecting the nutritional needs.
8. Explain in detail barrier nursing.
9. Describe nursing management of a patient with dyspnoea.

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

10. Mention the levels of prevention.
11. What is the meaning of referral?
12. List out the modes of communication.
13. What is meaning of computerised documentation?
14. What is Autoclaving?
15. Define Nosocomial infection.
16. List out 5 R's of medication.
17. Mention any two complications of wound healing.
18. What is 'Rigor Mortis'?
19. List down any four theories in nursing.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 10-Feb-2022**

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

## PSYCHOLOGY
## (RS2, RS3, RS4 & RS5)
## 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. Enumerate the different types of learning. Explain the factors affecting learning.
2. List down the theories of motivation and explain any two in detail.

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

3. What are projective tests? Explain their role in personality assessment.
4. Briefly explain the body and mind relationship.
5. Explain the determination of attention.
6. Describe factors influencing memory.
7. Explain the causes of stress for different age groups.
8. Write in brief the psychological development during adolescence.
9. Explain any three defence mechanism with example.

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

10. Define guidance.
11. List down the areas of adjustment.
12. Enlist the psychological needs of old age/
13. Define projection.
14. List down the branches of psychology.
15. Define Ego.
16. What is Rorschach Ink Blot Test?
17. Define reliability.
18. Enumerate in psychological reaction to terminal illness.
19. What is Aptitude test?

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 14-Feb-2022**

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

## MICROBIOLOGY
## (RS2, RS3, RS4 & RS5)
## 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 pathogenesis, clinical features, diagnosis of Salmonella typhi.
2. Explain in detail the morphology, cultural characteristics, pathogenecity, laboratory diagnosis of streptococcus pyogenes.

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

3. Explain harmful effects of microorganisms.
4. Draw a neat labeled bacterial cell. Explain bacterial nucleus.
5. Explain the different cultural media.
6. Define nosocomial infection. Explain wound infection in detail.
7. Define bio-medical waste. Describe the different methods of bio-medical waste treatment.
8. Define vaccine. Describe BCG vaccine.
9. Define immunity. Explain innate immunity.

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

10. Define medical microbiology.
11. Mention any two transport media.
12. Define slide agglutination.
13. Name the parasites whose cysts are detected in stool microscopy.
14. Name two cutaneous infection.
15. Define Cold Chain.
16. Define iatrogenic infection.
17. Give two examples of Aerobic bacteria.
18. Mention four types of immunoglobulins.
19. Define immunization.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination – 18-May-2022**

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

## ANATOMY (RS)
## 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 structure of a human skin
2. Name the different parts of a urinary system and explain urinary bladder
3. Classify bones with examples and explain the structure of a long bone

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

4. Describe femoral sheath
5. Explain shoulder joint
6. Explain lateral wall of the nose
7. Describe the blood supply of heart
8. Describe the external features of Mandible
9. Write the origin, insertion, action and innervation of Deltoid muscle
10. Name the parts of small intestine and describe duodenum
11. Differentiate between right and left lung

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

12. Structures under cover of gluteus maximus muscle
13. Mention the different positions of appendix
14. Name the parts of external ear
15 Name any four cranial nerves
16. List the parts of respiratory system
17. Write the blood supply to the stomach
18. Name any four endocrine glands
19. Name the Hamstring muscles
20. Name the coverings of testis
21. Name the parts of a uterine tube

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 18-May-2022**

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

## NUTRITION
## (RS2, RS3, RS4 & RS5)
## 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. Explain the various methods of cooking and its effect on nutrients.

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

2. Explain the classification of foods.
3. Explain in detail digestion and absorption of carbohydrates.
4. What are the sources and functions of calcium?
5. List the different house hold methods for preservation of food. Explain any one.
6. Explain mid-day meal programme.

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

7. Define marasmus.
8. What are Refined oils?
9. Define Beri-Beri.
10. What is Cheilosis?
11. What is electrolyte imbalance?

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 18 May 2022**

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

## BIOCHEMISTRY
## (RS2, RS3, RS4 & RS5)
## 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. Define Gluconeogenesis. Describe in detail about pathway of Gluconeogenesis.

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

2. Differentiate between prokaryotic and Eukaryotic cell.
3. Explain the metabolism of proteins.

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

4. List four functions of cell wall.
5. Define Osmosis.
6. List four functions of Lipids.
7. Lit four signs of deficiency of Vitamin C.
8. List four advantages of an ELISA test.

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# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 20-May-2022**

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

## PHYSIOLOGY
## (RS2, RS3, RS4 & RS5)
## 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. Describe the stages of Erethropoiesis. Name the factors influencing it.

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

2. Enumerate the cranial nerve and list down functions of any five Cranial Nerves.
3. Explain the mechanism of oxygen transport in blood.
4. Explain the composition and functions of Gastric Juice.
5. Explain the mechanism of formation of Urine.

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

6. What is Lordosis?
7. What is Prescbycusis?
8. What is Cretinism?
9. What are the functions of Ovary?

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 20-May-2022**

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

## ANATOMY
## (RS2, RS3, RS4 & RS5)
## Q.P. Code: 1753

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. Describe the gross anatomy of heart in detail.

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

2. Classify epithelium. Describe in detail the stratified squamous epithelium with diagram.
3. Explain the structure of cerebellum in detail.
4. Describe urinary bladder in detail.

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

5. Draw the structure of cell.
6. Define two types of skeleton.
7. Name the parts of central nervous system.
8. Name three layers of wall of blood vessel.
9. Describe pancreas.
10. Draw a diagram on the structure of uterus.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination – 20-May-2022**

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

## BIOCHEMISTRY (RS)
## 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. Mention the normal blood pH. Describe the various mechanisms in maintaining normal blood pH
2. Describe Glycolysis pathway for glucose metabolism

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

3. What is metabolic acidosis? Mention the causes for metabolic acidosis
4. Describe the action of enzymes for protein digestion
5. Describe the functions of vitamin A
6. Describe classification of lipids with examples
7. What is Denaturation of proteins? Mention the denaturing agents

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

8. What are acids & bases?
9. What is Hyponatremia?
10. What is the role of bile salts in fat digestion?
11. What is Scurvy? Mention the features of scurvy
12. Name the ketone bodies

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. (Nursing - Basic) Degree Examination – 20-May-2022**

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

## PHYSIOLOGY (RS)
## 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. Define hemostasis and explain the intrinsic mechanism of coagulation. Add a note on Hemophilia.
2. Describe the neural regulation of respiration.

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

3. Describe the micturition reflex.
4. Explain the composition and functions of saliva.
5. Describe the methods of artificial respiration.
6. Describe the conducting system of the heart.
7. Explain the contraceptive measures used in females.

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

8. What is Diabetes Insipidus?
9. List the different taste sensations.
10. Define GFR and mention its normal value.
11. Draw a neat labelled diagram of an ECG.
12. Name the muscle proteins.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I year B.Sc. Nursing Degree Examination – 23-May-2022**

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

## NURSING FOUNDATION
## (RS2, RS3, RS4 & RS5)
## 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. Write the factors affecting oxygenation.
   b. List down the methods of oxygen administration.
   c. Write the procedure of oxygen administration through nasal cannula.
2. a. Define Pediculosis.
   b. Explain the procedure of hair wash in a bedridden patient.

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

3. Discuss on contribution of Florence Nightingale in Modern Nursing.
4. Explain Evaluation as a step in Nursing process.
5. Define blood pressure. Explain steps in measuring blood pressure.
6. Explain methods of palpation with example.
7. Explain Benedict's test for urine sugar.
8. Discuss on types of hospital waste and hazards associated with hospital waste.
9. Differentiate between Gastric gavage and Gastric lavage.

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

10. Mention the levels of prevention.
11. What is planned discharge?
12. Enlist four barriers to effective communication.
13. List the cases to be included under medico legal records.
14. What is autoclave?
15. Differentiate between sterilization and disinfection
16. Enlist routes of parenteral administration of medication.
17. What is intra operative phase?
18. Mention types of loss.
19. Which are the four meta paradigms in nursing theory?

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 25-May-2022**

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

## PSYCHOLOGY
## (RS2, RS3, RS4 & RS5)
## 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 intelligence. Explain any two theories of intelligence.
2. Explain the concepts and theories of motivation.

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

3. Briefly explain the role of endocrine glands on behaviour.
4. Describe creative thinking.
5. Briefly explain the uses of aptitude tests.
6. Explain two theories of emotions.
7. Explain the psychometric assessment of personality.
8. How does a group influence individual behaviour? Explain.
9. Explain the warning signs of mental health with respect to various age groups.

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

10. List down any four methods of psychology.
11. Define Trait.
12. What is Rorschach Inkblot Test?
13. What are the psychological reactions to terminal illness?
14. Define assertiveness.
15. Define displacement.
16. List down the areas of guidance.
17. Define ego defence mechanisms.
18. What are rating scales?
19. List down the steps in development of psychological tests.

# Rajiv Gandhi University of Health Sciences, Karnataka

**I Year B.Sc. Nursing Degree Examination – 27-May-2022**

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

## MICROBIOLOGY
## (RS2, RS3, RS4 & RS5)
## 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 in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of streptococcus pyogenes.

2. Explain the morphology, habitat life cycle, disease caused and laboratory diagnosis of Entamoeba histolytica.

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

3. Draw a neat labeled diagram of bacterial cell and explain bacterial capsule.
4. Draw a neat labeled diagram of bacterial growth curve. Explain phases of growth curve.
5. Define infection. Describe the methods of transmission of infection.
6. Define sterilization. Explain sterilization by hot air oven.
7. Widal test.
8. Define immunity. Explain innate immunity.
9. Define immunization. Describe immunization schedule.

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

10. Name two contribution of Louis Pasteur in microbiology
11. Define anaerobic culture media.
12. Name two-gram positive bacteria.
13. Name two gaseous disinfectants.
14. Name two specific test done for Syphilis detection.
15. Name two RNA viruses.
16. Name the parasites whose ova are detected in stool microscopy.
17. Define active immunity.
18. Name two live vaccines.
19. Mention two uses of ELISA test.

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