Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 02-Sep-2020

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. Classify synovial joints. Give examples of the ball and socket type of joint. Mention the movements occurring at ball and socket type of joint.
2. Describe in detail the anatomy of heart.
3. Describe in detail the anatomy of right lung.

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

4. Arch of aorta
5. Oesophagus
6. Medulla Oblongata
7. Urinary bladder
8. Pharynx
9. Deltoid muscle
10. Left lung
11. Inferior vena cava

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

12. Mention any two sites of intramuscular injection.
13. Name the muscles of wrist joint.
14. Name the parasympathetic ganglia present in the head region.
15 Mention the names of the tarsal bones.
16. Name four branches of external carotid artery.
17. Parts of the pituitary gland
18. Name two muscles supplied by the ulnar nerve.
19. Gall bladder
20. What are the structures passing through the inguinal canal?
21. Name the main muscles of mastication.

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Sep-2020

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

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

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

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

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

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I Year B.Sc. (Nursing - Basic) Degree Examination – 04-Sep-2020

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 the steps involved in β-oxidation of fatty acids. Add a note on the energetics of β-oxidation of Palmitic acid.
2. Mention the sources, RDA, functions and deficiency manifestations of Vitamin C.

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

3. Role of kidney in acid base balance
4. Biologically important compounds formed from Tyrosine
5. Protein Energy Malnutrition (PEM)
6. Biochemical functions of Vitamin A
7. Hormonal regulation of blood glucose level

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

8. Pellagra.
9. Essential amino acids.
10. Normal blood level of (a) Urea (b) Creatinine
11. Test for the detection of proteins in urine
12. Rickets

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 14-Sep-2020

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. Define Immunity. Enumerate the differences between active and passive immunity. Write in detail about innate immunity.
2. Enumerate the difference between bacteria and viruses. Describe in detail the cultivation of viruses.
3. Describe the morphology, life cycle, pathogenicity and laboratory diagnosis of Entamoeba histolytica.

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

4. Bacterial flagella
5. Differences between cell wall of gram positive and gram-negative bacteria
6. Inclusion bodies with suitable examples
7. Laboratory diagnosis of malaria
8. Live attenuated viral vaccines
9. Type III hypersensitivity
10. Laboratory diagnosis of Leptospirosis
11. Differences between Streptococcus pneumoniae and Streptococcus viridians
12. Acid fast staining
13. Giardia intestinalis

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

14. Enumerate the diarrheagenic Escherichia coli.
15 DPT vaccine
16. Collection of urine sample for bacterial culture
17. Name two anaerobic infections
18. Classification of Mycobacteria.
19. Enumerate two viral Sexually Transmitted Diseases (STDs).
20. Name two methods of transmission of infection.
21. List two diseases transmitted by mosquitoes.
22. Give two examples of bile stained ova.
23. Enumerate gases used in sterilisation.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 04-Sep-2020

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. Name the parts of digestive system. Describe stomach in detail.

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

2. Name muscles of gluteal region. Describe gluteus maximus in detail.
3. Draw diagram of eye ball and briefly explain its parts.
4. Describe structure of urinary bladder and its anatomical significance.

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

5. Describe structure of skin with the diagram.
6. Name the parts of brainstem.
7. Name the branches of right coronary artery.
8. Name the carpal bones.
9. Nerve supply to tongue.
10. Name respiratory muscles.

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I Year B.Sc. Nursing Degree Examination – 04-Sep-2020

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. State Landsteiner's Law. Describe the Rh blood group system. Explain the consequences of Rh incompatibility.

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

2. Explain the transmission of nerve impulses through a synapse.
3. Describe lung volumes and capacities.
4. Explain the functions of stomach.
5. Describe the micturition reflex.

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

6. Define Osteoblast.
7. Name any two refractive errors and their corrective measures.
8. List any four functions of Insulin.
9. List any four female family planning methods.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 02-Sep-2020

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. What is menu planning? Explain the steps involved in planning a menu.

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

2. What is the calorific value of carbohydrate? List the key differences between Kwashiorkor and Marasmus.
3. Explain the role of food and its medicinal value.
4. Mention the function and deficiency of Phosphorus.
5. What are the various ways to assess the nutritional status?
6. Define therapeutic diet. Plan a therapeutic diet for cardiovascular disease.

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

7. What are amino acids?
8. What is rancidity of fat?
9. What are causes of anemia?
10. List the composition of body fluids.
11. Define calorie.

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I Year B.Sc. Nursing Degree Examination – 02-Sep-2020

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. Describe the β-oxidation of fattyacids. Write a note on the energetics of β-oxidation of palmitic acid.

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

2. Write a short note on Transport across the cell membrane.
3. Explain Denaturation of Proteins.

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

4. List out four Functions of Endoplasmic Reticulum.
5. Define Von Gierke's Disease.
6. Define Lactose Intolerance.
7. List down functions of Vitamin K.
8. Enlist four functions of Keratin.

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing Degree Examination – 07-Sep-2020

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 bedsore.
   b. What are the causes of bedsore?
   c. Explain the nursing management of patients with bedsore.
2. a. What is steam inhalation?
   b. List its purposes.
   c. Explain the procedure for steam inhalation.

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

3. Describe professional conduct of a nurse.
4. Define nursing diagnosis and explain the types of nursing diagnosis with example.
5. Explain the pattern of abnormal respiration.
6. Explain the preparation of patient and unit for physical examination.
7. Explain the steps of back care.
8. Differentiate between medical and surgical asepsis.
9. Describe the nursing measures for urinary incontinence.

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

10. Enlist the healthcare team members.
11. Mention any two responsibilities of a nurse in discharge procedure.
12. Enlist steps of communication process.
13. State four guidelines for recording.
14. List the types of rubber catheters.
15. Enlist types of infection.
16. Mention sites of IM injection.
17. What is a binder?
18. What is organ donation?
19. List down any four basic needs according to Virginia Henderson.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 09-Sep-2020

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 the types of thinking.
2. What is motive? Classify motives. Describe in detail about physiological motives.

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

3. How heredity and environment influence the development of behaviour?
4. Explain the factors influencing attention.
5. Briefly explain insightful theory of learning.
6. Describe sources and types of conflict.
7. Explain the various alterations in personality.
8. Discuss the role of nurse in meeting psychological needs of sick people.
9. Discuss the role of nurse in tertiary prevention of mental illness.

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

10. Define applied psychology with an example.
11. What do you mean by Introverts?
12. What are types and traits?
13. List down the stages of development.
14. Define mourning.
15. Warning signs of poor mental health
16. Define repression.
17. List down the techniques of counseling.
18. List the limitation of psychological tests.
19. Define reliability.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – 11-Sep-2020

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. Name two medically important spirochetes. Explain in detail the morphology, cultural characteristics, laboratory diagnosis, pathogenicity and prophylaxis of Syphilis.
2. Classify the genus Staphylococcus. Explain in detail the morphology, cultural characteristics, pathogenicity, laboratory diagnosis of Staphylococcus aureus.

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

3. Draw a neat labeled bacterial cell. Explain Pili and Fimbriae.
4. Explain enriched culture media
5. Explain gram staining method.
6. Define sterilization. Explain sterilization by filtration
7. Define nosocomial infection. Explain iatrogenic infection and congenital infection.
8. Explain ELISA reaction.
9. Define antibody. Write the functions of IgA immunoglobulin.

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

10. Name two contributions of Joseph Lister.
11. Name two acid fast bacteria.
12. Give two examples of Gram-negative cocci.
13. Define harmless waste.
14. Give two functions of Alcohols.
15. Define Secondary infection.
16. Name two diseases caused by spirochetes.
17. Name two sexually transmitted diseases.
18. Name two live vaccine.
19. Define antigen and antibody.

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