

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

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Physiology **Q.P. Code : 1754**

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(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.

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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?

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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 bilirubin.
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.

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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?

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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

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Max. Marks: 75 Marks

MICROBIOLOGY (RS - 3)

Q.P. CODE: 1759

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define 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.
