

Rajiv Gandhi University of Health Sciences, Karnataka

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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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 Hierarchical 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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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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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: 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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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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Time: 3 Hours

Max. Marks: 37 Marks

Anatomy

Q.P. Code : 1753

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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 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
