

# Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. (Nursing - Basic) Degree Examination – Sept / Oct 2008

**Time: Three Hours**

**Max. Marks: 80 Marks**

## ANATOMY (Old Scheme)

### Q.P. CODE: 1651

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 liver in detail and its histology
2. Name the salivary glands, where do they open and describe the parotid gland in detail
3. Classify the bones with examples, and microstructure. Give detailed account of humerus

#### SHORT ESSAYS

**8 x 5 = 40 Marks**

4. The connective tissue
5. Parts of large intestine and differences from small intestine
6. Femoral nerve
7. The testis
8. Fallopian tube
9. Typical spinal nerve its formation and distribution
10. The medulla oblongata
11. The peritoneum and its functions

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Where are the islet of langerhans found and give their functions
13. Name the valves of the heart and the chambers which they connect
14. Name the muscles of the anterior abdominal wall
15. What are fontanelle and where are they found?
16. Give the attachments of biceps brachii and its nerve supply
17. What is radial artery a branch of? Give its clinical importance
18. Name the divisions of the autonomic nervous system and give their functions
19. Name the bones forming the wrist joint
20. Name the important lymphatic tissues of the body and their functions
21. Give the total number of ribs and name the parts of a typical rib

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## PHYSIOLOGY & BIOCHEMISTRY - (Old Scheme)

### Q.P. CODE: 1652 & 1653

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

**Use separate answer books for section A and section B**

#### Q.P. Code: 1652 – Section A – PHYSIOLOGY (40 Marks)

##### LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Describe erythropoiesis. What are the factors affecting erythropoiesis?
2. Describe the composition and functions of saliva

##### SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Describe the classical ABO blood groups
4. Explain the functions of Aldosterone
5. List the hormonal contraceptives for female and give the mechanism of action
6. Explain the functions of large intestine
7. List the different lung volumes with their normal values and significance

##### SHORT ANSWERS

5 x 2 = 10 Marks

8. Explain the errors of refraction of eye
9. List the functions of cerebellum
10. What are the functions of platelets?
11. Classify reflexes by giving examples in each types
12. Define vital capacity. Give the normal value and factors affecting vital capacity

#### Q.P. Code: 1653 – Section B – BIOCHEMISTRY (40 Marks)

Use separate answer book

##### LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Give an account of the dietary sources, activation, biochemical functions, daily requirement and deficiency manifestations of vitamin D
2. Describe the metabolism of Glycogen

##### SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Van Den Bergh reaction and its significance
4. Role of insulin
5. Digestion and absorption of carbohydrates
6. Functions of phospholipids
7. Structure of DNA

##### SHORT ANSWERS

5 x 2 = 10 Marks

8. Disaccharides
9. Biuret test
10. Free and total acid of gastric juice
11. Name two aromatic amino acids and two aliphatic amino acids
12. Renal glycosuria

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## FUNDAMENTALS OF NURSING (Old Scheme)

### Q.P. CODE: 1654

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) Mention the different types of wounds with examples  
b) Discuss the wound healing process  
c) How will you prevent wound infection?
2. What are the functions of a Hospital? How will you provide a safe and comfortable environment for patients in hospital
3. a) Define urinary catheterization  
b) List down the indications for urinary catheterization  
c) Explain the nurses role in the catheterization of patient

#### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. Man as a bio psycho social being
5. Role of a nurse in health care delivery system
6. Nurses responsibility in collecting blood specimen
7. Principles to be applied while giving Intramuscular injection
8. Care of body after death
9. Steam inhalation
10. Importance of body mechanics
11. First aid in fracture of lower limb
12. Hazards of oxygen inhalation
13. Team nursing

#### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. Cold compress
15. Dysuria
16. Gavage and lavage
17. Cross infection
18. Barrier nursing
19. Blood pressure
20. Signs and symptoms of pressure sore
21. Evaluation
22. Purposes of positions
23. Rigor mortis

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## PSYCHOLOGY (Old Scheme)

**Q.P. CODE: 1655**

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. How is frustration and conflict causes stress? Briefly discuss the role of a nurse in stress management
  2. Critically evaluate the different theories of emotion. Explain the different types of emotions and its influence on health
- Co-relate the influence of heredity on the development of behaviour. Briefly discuss the phases in growth and development

### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. Mention the types of attention. Why it is essential for a nurse?
5. Explain the nature and factors influencing creativity
6. Define thinking. Explain how thinking should be?
7. What is observation method? Mention advantages and disadvantages of this method
8. Examine the development of attributes
9. Bring out the laws of learning and their educational implications
10. Explain the role of counseling in preventing mental and emotional disturbances
11. What is general adaptation syndrome (GAD)
12. Discuss some of the uses of personality tests
13. Explain the role of insightful learning in the acquisition of knowledge

### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. What is convergent thinking?
15. List the personality traits of a creative person
16. Mention the steps involved in scientific problem solving
17. How skills are acquired?
18. List the conditions of learning
19. Write the differences between standardized tests and teacher made test
20. What is recall method?
21. What is need and drive?
22. Who proposed the concept of mental age? And how it is obtained
23. How can a behaviour be shaped?

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## NUTRITION (Old Scheme)

### Q.P. CODE: 1656

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 nutrition and dietetics. What is the role of nutrition in health and disease
2. Define and list essential amino acids. Discuss the deficiency signs and symptoms of protein energy malnutrition
3. a) Classify Vitamins  
b) Explain the deficiency disorders of B-complex vitamin

#### SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Deficiency of vitamin 'D'
5. Special considerations while feeding preschoolers
6. Prevention of flourosis
7. Factors affecting calcium absorption in the body
8. RDI (Recommended Daily Intake) for adolescent boy
9. Food preservation
10. Purposes and methods of cooking
11. Nutritive value and advantages of breast milk
12. Economic and cultural factors promoting nutritional health
13. Cooking principles to be followed to preserve vitamins

#### SHORT ANSWERS

10 x 2 = 20 Marks

14. List sources of fibre diet
15. What is weaning?
16. Food fads
17. Daily requirements of B<sub>1</sub>
18. What are unsaturated fatty acids?
19. High protein diet
20. Balanced diet
21. Water preservation
22. Effects of vitamin 'K' deficiency
23. Full fluid diet

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## INTRODUCTION TO COMMUNITY HEALTH NURSING (Old Scheme)

**Q.P. CODE: 1657**

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 aims and objectives of health services
2. Explain the various stages of modern sewage purification
3. Explain the health care delivery system in India

### **SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

4. Immunization schedule
5. Objectives of health education
6. UNICEF
7. Causes of poor health
8. Principles of primary health care
9. Mental health
10. Menstrual hygiene
11. Health team
12. Barrier methods
13. Community bag

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Agent
15. Micronutrients
16. Marasmus
17. Hard water
18. Pasteurization
19. Floor space
20. Over crowding
21. Comprehensive care
22. Community health nurse
23. Sub-centre