

Q.P. CODE: 1785

Rajiv Gandhi University of Health Sciences, Karnataka
IV Semester B. Sc Nursing Degree Examination - 24-Jun-2025

Time: Three Hours

Max. Marks: 38

PHARMACOLOGY – SECTION – A (RS-6)

Q.P. CODE: 1785

(QP Contains Two Pages)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1785 and 1786 are to be answered within total duration of 3 hours)

LONG ESSAY

1 x 10 = 10 Marks

1. Explain the professional, legal and ethical issues in prescribing drugs

SHORT ESSAYS

3 x 5 = 15 Marks

2. What are muscle relaxants? Write the actions and side effects of muscle relaxants.
3. What is an antidote? Explain different antidotes in the treatment of poisoning
4. Describe the drugs used in the treatment of congestive heart failure

SHORT ANSWERS

3 x 2 = 6 Marks

5. Therapeutic uses and adverse effects of Barbiturates
6. List four expectorant drugs
7. Describe antacids with suitable examples

Multiple Choice Questions

7 x 1 = 7 Marks

8. Germicide do exert their action by which of the following mechanism?
 - A. Causing a bacteriostatic action
 - B. Coagulation of bacterial protein
 - C. Producing a bacterial action
 - D. None of the above
9. The chemical substance which cause local tissue destruction and sloughing?
 - A. Demulcents
 - B. Keratolytics
 - C. Seborricts
 - D. Caustics
10. Metabolic effect of aspirin **EXCEPT**
 - A. Enhance cellular metabolism
 - B. Increases glucose utilization
 - C. Negative nitrogen balance
 - D. Suppresses hepatic glucose
11. The drug used to relieve pain is known as
 - A. Antibiotic
 - B. Analgesic
 - C. Anesthetic
 - D. Antitussive

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – 28-Jul-2021

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 cardiac cycle. Explain the mechanical events and pressure changes during cardiac cycle.
2. List the nuclei of Hypothalamus. Explain the functions of Hypothalamus.

SHORT ESSAYS (Answer any Four)

4 x 5 = 20 Marks

3. Explain the functions of lungs.
4. Explain liver function tests.
5. What is erythropoiesis? Describe the factors influencing it.
6. Describe the structure of Sarcomere.
7. Explain the functions of Insulin and pancreas.

SHORT ANSWERS

5 x 2 = 10 Marks

8. Name the different types of taste sensations.
9. Draw a neat labeled diagram of a nephron.
10. List the types of hypoxia.
11. What is the normal body temperature? Mention the mechanisms of heat loss from body.
12. Write the functions of mitochondria.

Time: Two Hours

Max. Marks: 35 Marks

NUTRITION AND DIETETICS (RS3 & RS4)

Q.P. CODE: 1732

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. a) What are the nutritional needs of a pregnant women?
b) Plan a menu for a pregnant woman
2. a) Discuss the importance of nutrition of education.
b) Explain the role of a nurse nutrition education.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Milk hygiene
4. BFHI (Baby friendly hospital initiative)
5. Effects of folic acid deficiency
6. Functions of iron

SHORT ANSWERS

5 x 2 = 10 Marks

7. Obesity
8. Fluid diet
9. Essential amino acid
10. Balanced diet
11. Vegetable soup

Rajiv Gandhi University of Health Sciences, Karnataka

12. The route of administration of progesterone esters.
- A. Topical
 - B. Sublingual
 - C. Intravenous
 - D. Intramuscular
13. Action of ergot derivatives
- A. Induces tonic contractions
 - B. Depolarize muscle fibers
 - C. Increases motor activity of uterus
 - D. Induce abortion
14. The law of similia is followed in which system of medicine
- A. Ayurveda
 - B. Homeopathy
 - C. Siddha
 - D. Unani

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (Nursing - Basic) Degree Examination – 02-Dec-2021

Time: Three Hours

80 Marks

Max. Marks:

MENTAL HEALTH NURSING (RS)

Q.P. CODE: 1690

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 Therapeutic communication. Explain the techniques of Therapeutic communication.
2. Define Bipolar Affective Disorder. Mention the causes of Mood Disorder. Explain the role of Nurse in management of client with Bipolar Affective Disorder.
3. Define a Neurotic Disorder. Classify Obsessive Compulsive Disorder. Explain the role of Nurse in management of client with OCD.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. National Mental Health Programme 1982
5. Explain 5 defence mechanisms with an example for each.
6. Role of Nurse in management of Extra Pyramidal Symptoms
7. Behavioural therapy
8. Define and classify Phobias.
9. Management of client with Alcohol withdrawal symptoms
10. Management of client with Anorexia Nervosa
11. Management of client with Alzheimer's disease
12. Explain types of Crisis.
13. Mental Health Services available at the primary, secondary, tertiary levels

SHORT ANSWERS

10 x 2 = 20 Marks

14. Rights of Mentally Ill clients
15. Illusion
16. Circumstantiality
17. Perseveration
18. Stupor
19. Thought Broadcasting
20. Verbigeration
21. Echopraxia
22. Depersonalization
23. Anhedonia

Q.P. CODE: 1786

Rajiv Gandhi University of Health Sciences, Karnataka
IV Semester B. Sc Nursing Degree Examination - 24-Jun-2025

Time: Three Hours

Max. Marks: 37

PATHOLOGY AND GENETICS

Q.P. CODE: 1786

(QP Contains Two Pages)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1785 and 1786 are to be answered within total duration of 3 hours)

(Note: Both Section B & C to be answered in the same booklet)

PATHOLOGY – SECTION – B (25 marks)

SHORT ESSAYS

3 x 5 = 15 Marks

1. Explain the stages of wound healing
2. Detail on the pathological changes & clinical manifestations of typhoid fever
3. List the various methods of hemoglobin estimation & explain any one method in detail

SHORT ANSWERS

3 x 2 = 6 Marks

4. Explain the etiopathogenesis of cardiogenic shock
5. Enumerate the clinical features of Benign Prostrate Hypertrophy
6. Enlist the etiology of bronchiectasis

Multiple Choice Questions

4 x 1 = 4 Marks

7. Bleeding time is prolonged in
 - A. Liver disease
 - B. Leukemia
 - C. Aplastic anemia
 - D. All the above
8. The following pathological changes are noted in bladder mucosa in acute cystitis **EXCEPT**
 - A. Reddish in color
 - B. Swollen
 - C. Greyish blue mucosa
 - D. Suppurative exudate in the mucosa
9. The sign of meningeal irritation is
 - A. Fever
 - B. Nuchal rigidity
 - C. Malaise
 - D. Chills
10. Presence of nitrite in the urine indicates
 - A. Nephrotic syndrome
 - B. Urinary tract infection
 - C. Diabetic ketoacidosis
 - D. Renal calculi

COMMUNITY HEALTH NURSING (RS-3 & RS-4)

Q.P. CODE: 1742

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) What are the objectives of family health services?
b) Explain the temporary methods of family planning. (4+6 = 10)
2. Explain the health care delivery system in India at the central level.
3. a) Define school health services.
b) What are the objectives of school health services?
c) Explain the role of a nurse in health appraisal at school. (2+3+5 = 10)

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Functions of Voluntary health agencies
5. Barriers of communication
6. Indian Red Cross
7. Benefits to employees under ESI scheme
8. List the sources of vital statistics and explain any two.
9. Rules and regulations of MTP Act, 1971
10. Steps in Community diagnosis
11. Medical measures for prevention of occupational diseases
12. List principles of health education and explain any five.

SHORT ANSWERS

10 x 2 = 20 Marks

13. Guidelines for selection of ASHA
14. Define epidemiology.
15. Functions of ILO
16. Uses of Anecdotal records
17. List the principles of primary health care
18. Define maternal mortality rate.
19. Target population
20. What is farmer's lung?
21. Methods of mass media education
22. What are Standing orders?

Rajiv Gandhi University of Health Sciences, Karnataka

GENETICS – SECTION – C (12 marks)**SHORT ESSAYS****1 x 5 = 5 Marks**

11. List the genetic disorders associated with maternal age and explain Down syndrome

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

12. Define Huntington's disease
13. Enumerate the types of gene therapy

Multiple Choice Questions**3 x 1 = 3 Marks**

14. The transfer of a chromosome segment to another chromosome is called as
- A. Duplication
 - B. Inversion
 - C. Translocation
 - D. Insertion
15. FISH stands for
- A. First Induced Strand Hybrid
 - B. Fluorescent In Situ hybridization
 - C. F1 Insertion Segment Homolog
 - D. Flanking Insertion Sequence Hybrid
16. The common therapeutic approach for genetic disorder is/are
- A. Promoting excretion of toxins
 - B. Inducing enzymes
 - C. Protecting an environment
 - D. All the above

Q.P. CODE: 1787

Rajiv Gandhi University of Health Sciences, Karnataka
IV Semester B. Sc Nursing Degree Examination - 26-Jun-2025

Time: Three Hours

Max. Marks: 75

ADULT HEALTH NURSING II

Q.P. CODE: 1787

(QP Contains Three Pages)

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

LONG ESSAY

2 x 15 = 30 Marks

1. A 21-year-old female consulted an ENT specialist with the history recurrent infection of throat and blocked nose. On examination, she had fever (38°C) with exudate on tonsils. She was diagnosed as tonsillitis and was advised tonsillectomy.
 - a) Define Tonsillitis
 - b) Mention types of Tonsillitis.
 - c) Discuss the nursing management for patient undergoing tonsillectomy
2. Mr. Raju 23-year-old admitted to emergency department with projectile vomiting, throbbing headache and visual disturbances. On thorough examination and detailed investigation, he was diagnosed as Carcinoma of Brain.
 - a) Mention the classification of Brain Tumor
 - b) List the investigations of Brain Tumor
 - c) Discuss the medical, surgical and palliative management of patient with brain tumor

SHORT ESSAYS

5 x 5 = 25 Marks

3. Describe the surgical management of patient with retinal detachment.
4. Discuss on ethical and legal aspects of Critical care Unit.
5. Discuss on nursing management of patient with Alzheimer's disease.
6. Discuss on the legal aspects in gerontological nursing
7. Explain the pathophysiological changes in systems occurring due to 3rd degree Burns

SHORT ANSWERS

4 x 2 = 8 Marks

8. List the first aid measures to control epistaxis.
9. Mention signs and symptoms of gynecomastia
10. Mention four modes of transmission of HIV
11. List the types of ventilators used.

Multiple Choice Questions

12 x 1 = 12 Marks

12. If a person experiences sound in their ears in an environment devoid of external sources of sound, it is known as
 - A. Otalgia
 - B. Cholesteatoma
 - C. Deafness
 - D. Tinnitus

Rajiv Gandhi University of Health Sciences, Karnataka
III year B.Sc. (Nursing - Basic) Degree Examination - APRIL-2019

Time: Three Hours

Max. Marks: 80 Marks

MENTAL HEALTH NURSING
(Revised Scheme)
Q.P. CODE: 1690

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. What are the clinical features of catatonic schizophrenia? Explain the nursing management of patient with catatonic schizophrenia. (4+6=10)
2. Explain the principles of psychiatric nursing with suitable examples.
3. Discuss the role of nurse in National Mental Health Programme.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Extra Pyramidal Symptoms.
5. Process recording.
6. Interpersonal model.
7. Conduct disorder.
8. Suicide prevention.
9. Management of Phobia.
10. Delirium Tremens.
11. Admission procedure.
12. Causes of Mental Retardation.
13. Mental Status Examination.

SHORT ANSWERS

10 x 2 = 20 Marks

14. Insomnia.
15. Hypochondriasis.
16. Dementia.
17. Hallucination.
18. Amnesia.
19. Milieu Therapy.
20. Abreaction.
21. Trans sexualism.
22. Token economy.
23. Flooding.

Rajiv Gandhi University of Health Sciences, Karnataka

13. The medical terminology used for unequal pupils is
 - A. Dyscoria
 - B. Anisocoria
 - C. Strabismus
 - D. Ptosis
14. Identify the possible etiology of a patient presenting with oliguria of urine output 100-400mL/24 hrs is
 - A. End stage kidney disease
 - B. Partial urethral obstruction
 - C. Pyelonephritis
 - D. Neurogenic bladder
15. A young male patient diagnosed with paraphimosis will present with symptoms of
 - A. Painful, erythematous base
 - B. Localized swelling with retracted tight foreskin
 - C. Small erosion with lymphadenopathy
 - D. Swelling of penis without pain
16. The primary threat to a patient with a third degree burns is
 - A. Hypovolemic shock
 - B. Pulmonary embolism
 - C. Hypertension.
 - D. Cardiac arrhythmia
17. Carbamazepine is the recommended medicine used in
 - A. Epilepsy
 - B. Head injury
 - C. Spinal cord injury
 - D. Increased Intracranial pressure
18. Upon entering the body, the human immunodeficiency retrovirus causes immunocompromised state of the body by targeting
 - A. T-cell lymphocytes
 - B. B-cell lymphocytes
 - C. Neutrophils
 - D. Monocytes
19. The patient education approach that lowers the risk of dumping syndrome should be one of the following,
 - A. Sit upright after meals
 - B. Reduce carbohydrate content
 - C. Include fluids with meal
 - D. High protein, high calorie diet with small frequent meal
20. One of the complications seen in patients suffering from food poisoning is
 - A. Anemia
 - B. Bleeding tendency
 - C. Muscle cramps
 - D. Esophageal perforation
21. The reason for stiffness and loss of range of motion among elderly people is
 - A. Degenerative changes in joints
 - B. Hardening of tendons
 - C. Diminished elasticity of skin
 - D. Decreased muscle mass

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Nursing (PC) Degree Examination – 28-Feb-2023

Time: Three Hours

Max. Marks: 75 Marks

MENTAL HEALTH NURSING

(RS-3 & RS-4)

Q.P. CODE: 1743

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. What is preventive psychiatry? Briefly describe the models of prevention. Discuss the nurse's role in preventive psychiatry.
2. What is Mania? What are the types of Mania? Discuss the nursing care of a client with Mania and discuss any two-nursing diagnosis according to priority.
3. What is Milieu therapy? Who are the people who form the team in milieu therapy? How is it implemented?

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Discuss the nursing management in case of psychiatric emergencies.
5. How will you prepare the unit for the electro convulsive therapy?
6. Anti depressants
7. Phobic disorder
8. Therapeutic communication techniques
9. Etiological factors in substance abuse disorders
10. Classification of mental (sub normality) illness
11. Assessment methods in psychiatry
12. Concept of normal and abnormal behaviour

SHORT ANSWERS

10 x 2 = 20 Marks

13. Any four indications for electro convulsive therapy
14. Classification systems for mental disorders
15. Define illusions.
16. List any four types of moods.
17. Depersonalization
18. Substance dependence
19. List any four indications for behaviour therapy.
20. Define mental illness.
21. Define family therapy.
22. Any four causes of organic disorders.

Rajiv Gandhi University of Health Sciences, Karnataka

22. The critical complication associated with the insertion of a pulmonary catheter is
- A. Respiratory distress
 - B. Increased cardiac output
 - C. Infection with sepsis
 - D. Decreased blood pressure
23. The complication of repeated musculoskeletal injuries from a workplace is
- A. Strain
 - B. Compartment syndrome
 - C. Calcium deficit
 - D. Muscle weakness

KARNATAKA NURSING & PARAMEDICAL SCIENCES EDUCATION (REGULATION) AUTHORITY
KARNATAKA STATE DIPLOMA IN NURSING EXAMINATION BOARD
GNM THEORY EXAMINATION – FEBRUARY 2025
1st YEAR - BIO-SCIENCE - PAPER – I
(Anatomy, Physiology and Microbiology)
(Note: Draw a neat and labelled diagram wherever necessary)

DURATION: 3 HOURS
TIME: 09.00 AM to 12.00 PM

MAX. MARKS: 75

Give the meaning of the following

1 x 4 = 4

1. Immunity
2. Osmosis
3. Abduction
4. Hypersensitivity

Fill in the blanks

1 x 4 = 4

5. _____ is covering membrane of the Brain
6. Insulin is secreted by _____ cells of pancreas
7. _____ is the functional unit of the kidney
8. _____ is the innermost layer of the uterus

Write short notes for any FOUR of the following

4 x 4 = 16

9. Classification of bacteria
10. Structure of liver
11. Structure of lungs
12. Structure of ovary
13. Ball and socket joint

Answer the following

3+4=7

14. List the organs of nervous system
15. Describe the structure of Brain with a neat labelled diagram
16. List the bones of the axial skeletal system
17. Explain the structure of sternum

3+5=8

State whether the following statements are TRUE or FALSE

1 x 4 = 4

18. Stapes is the smallest bone of our body
19. Tetanus is caused by clostridium tetani
20. Vagus nerve is the ninth cranial nerve
21. Sources of infection within the body are called exogenous

Write short notes for any FOUR of the following

4 x 4 = 16

22. Functions of kidney
23. Physiology of hearing
24. Metabolism of proteins
25. Scope of microbiology in nursing
26. Sources of infection

Answer the following

3+5=8

27. List is endocrine gland
28. Explain the hormones secreted by anterior pituitary gland

4+4=8

29. Draw a neat diagram of cell
30. Explain stages of cell division