RajivGandhiUniversity of Health Sciences, Karnataka

III Semester B.Sc Nursing Degree Examination - 07-Jan-2026

Time: Three Hours **Max. Marks: 37**

APPLIED MICROBIOLOGY – SECTION – A (RS-6)

Q.P. CODE: 1782

(QP Contains Two Pages)

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1782 and 1783 are to be answered within total duration of 3 hours)

LONG ESSAY **1 x 10 = 10 Marks**

1. a) Define Culture media and list its purposes
   b) Explain classification of culture media with two examples for each

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

2. Explain the bacterial growth curve

3. Describe various types of Streptococci with its morphology

4. Explain different types of immunoglobulins with its properties

SHORT ANSWERS **3 x 2 = 6 Marks**

5. Mention two contributions of Louis Pasteur to microbiology

6. List four applications of microbiology in Nursing

7. Name four laboratory methods used in identification of bacterias

Multiple Choice Questions **6 x 1 = 6 Marks**

8. The father of antiseptic surgery is
   A. Paul Ehrlich
   B. Joseph Lister
   C. Robert Hooke
   D. Ignaz Semmelweis

9. Treponema pallidum is a
   A. Bacilli
   B. Actinomycetes
   C. Spirochetes
   D. Mycoplasma

10. The bacteria that can grow in alkaline pH is
    A. Vibrio cholerae
    B. Lactobacilli
    C. Helicobacter pylori
    D. E.coli

11. The species of Clostridium that causes gas gangrene is
    A. Clostridium Perfringens
    B. Clostridium Botulinum
    C. Clostridium Tetani
    D. Clostridium Difficile

12. Leishmaniadonovani causes
    A. Malaria
    B. Sleeping sickness
    C. Chaga's disease
    D. Kala-azar

13. The test used to detect Hepatitis B antigens and antibodies is
    A. Radial immuno-diffusion
    B. Counter immuno-electrophoresis
    C. Immunoelectrophoresis
    D. Slide Agglutination test

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III Semester B.Sc Nursing Degree Examination - 07-Jan-2026

Time: Three Hours **Max. Marks: 38**

INFECTION CONTROL AND SAFETY – SECTION – B (RS-6)
Q.P. CODE: 1783

(QP Contains Two Pages)

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

(Note: Both QP Codes 1782 and 1783 are to be answered within total duration of 3 hours)

LONG ESSAY **1 x 10 = 10 Marks**

1. a) Explain personal protective equipments
   b) Describe role of nurse in prevention of communication errors

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

2. Explain package, labelling and transportation of biomedical waste management
3. Describe the different equipments used to prevent patient fall
4. Explain role of Material Safety Data Sheets (MSDS) in health care environment

SHORT ANSWERS **3 x 2 = 6 Marks**

5. List the four signs of surgical site infections
6. List five moments for hand hygiene
7. List the steps in skin preparation before collecting of blood specimen

Multiple Choice Questions **7 x 1 = 7 Marks**

8. Nosocomial infection is
    A. Infection develops after one month of discharge
    B. Infection occurs before admission
    C. Infection occurs within 48 hours after admission
    D. Primary infection

9. The portal of entry of microorganism into the bloodstream is following **EXCEPT**
    A. During insertion of device
    B. During handwash
    C. Contamination of device by fluids
    D. Normal flora in the skin surrounding insertion site

10. The microorganism most resistant to sterilization is
    A. Tubercle bacilli
    B. Prions
    C. Viruses
    D. Spores

11. Rubber goods are sterilized by
    A. Autoclave
    B. Red heat
    C. Flaming
    D. Hot water with soap

12. Bacterial resistance to antibiotics is transmitted by
    A. Transduction
    B. Transformation
    C. Mutatin
    D. Plasmids

13. Surgical safety checklist includes following **EXCEPT**
    A. Assessing
    B. Briefing
    C. Sign in
    D. Timeout

14. An effective communication skill that is important for patient safety is
    A. Providing minimal information
    B. Passive listening
    C. Distraction of patient
    D. Active listening

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RajivGandhiUniversity of Health Sciences, Karnataka

III Semester B. Sc Nursing Degree Examination - 09-Jan-2026

Time: Three Hours **Max. Marks: 75**

ADULT HEALTH NURSING I (RS-6)
Q.P. CODE: 1784
(QP Contains Two Pages)

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

LONG ESSAY **2 x 15 = 30 Marks**

1. Mr. Y, aged 72 years admitted with pain abdomen is diagnosed as Ulcerative Colitis,
    a) Define Ulcerative Colitis
    b) Discuss the pathophysiology of Ulcerative Colitis
    c) Explain the surgical and nursing management of patient with Ulcerative Colitis.
2. Mr Z, aged 65 years admitted with dyspnea and chest discomfort is diagnosed as Heart Failure,
    a) Define Heart Failure
    b) Enlist the risk factors and types of Heart Failure
    c) Explain the medical and nursing management of patient with Heart Failure.

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

3. Discuss the duties and responsibilities of Operation theatre Nurse.
4. Explain the care of patient with Tracheostomy.
5. Write a brief note on Lung Abscess
6. Explain the management of patient with Diabetic Keto Acidosis (DKA).
7. Explain different modalities of Fracture management.

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

8. Define Hypokalemia
9. List the two indicators of Oxygen Toxicity
10. Define purpura
11. Specify the causative Organism & Incubation period for Chicken pox.

Multiple Choice Questions **12 x 1 = 12 Marks**

12. A Chronic infection characterized by granuloma formation is
    A. Tuberculosis
    B. Ulcerative Colitis
    C. Infective Endocarditis
    D. Crohn's Disease

13. A The stage of Anaesthesia which causes an experience of feeling of warmth ,dizziness and being detached is
    A. Excitement
    B. Medullary Depression
    C. Surgical Anaesthesia
    D. Beginning Anaesthesia

14. Which among the following is an example of a colloid
    A. 0.9 Normal Saline
    B. Ringer Lactate
    C. 5% Dextrose
    D. Dextran
15. Obstruction of Pulmonary Artery by a Thrombus is called as
    A. Pulmonary Embolism
    B. Corpulmonale
    C. Coronary artery disease
    D. Arteriosclerosis
16. Which pulse to be checked before initiating CPR
    A. Carotid
    B. Radial
    C. Femoral
    D. Temporal
17. T- cell mediated inflammatory skin disorder is
    A. Cellulitis
    B. Psoriasis
    C. Eczema
    D. Erythroderma
18. In diabetic patients ,Somogyi effect is observed at
    A. 6 -8 Am
    B. 2-4 Am
    C. 2-4 Pm
    D. 9-10 Pm
19. Partial or complete loss of hair from Scalp is
    A. Alopecia
    B. Hirsutism
    C. Keratosis
    D. Dyschromia's
20 Which among the following is an appropriate Nursing intervention to prevent hip flexion contraction after amputation
    A. Lying on the prone position for 30 min
    B. Lying on supine position
    C. Lying on the unaffected side
    D. Sit on the chair for 1 hour
21 Intestinal perforations is a complication of
    A. Typhoid fever
    B. Tetanus
    C. Syphilis
    D. Malaria

22. The infection of the innermost layer of the heart is termed as
    A. Pericarditis
    B. Endocarditis
    C. Myocarditis
    D. Pancarditis
23. Which among the following is a cause for normocytic normochromic anaemia
    A. Acute Blood Loss
    B. Vit B12 Deficiency
    C. Iron Deficiency
    D. Lead Poisoning

RajivGandhiUniversity of Health Sciences, Karnataka

IIYear B.Sc. Nursing Degree Examination – 07-Jan-2026

Time: Three Hours **Max. Marks: 75 Marks**

SOCIOLOGY
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1760

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. Explain the characteristics of modern family. Discuss the various problems of modern family.

2. Write an essay on housing problems in India.

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

3. Discuss the scope of Sociology.
4. Classify social groups.
5. Explain the impact of overpopulation on health status.
6. Explain Malthusian Theory of Population.
7. Explain the characteristics of Indian caste system.
8. Discuss the features of urban community.
9. Discuss the factors of social change.

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

10. What is meant by re-socialization?
11. What is material culture?
12. Mention any two differences between co-operation and competition.
13. Define race prejudice.
14. What is achieved status?
15. Mention health problems of rural community.
16. List the types of social system.
17. Differentiate between role and status.
18. List the informal means of social control.
19. Define illiteracy.

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RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 09-Jan-2026

Time: Three Hours **ax. Marks: 75 Marks**

MEDICAL SURGICAL NURSING – I
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1761

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 Gastritis.
   b) Explain the etiology and pathophysiology of gastritis.
   c) Prepare a nursing care plan for Mr. X, who is suffering from acute gastritis, based on at least three prioritized nursing diagnoses.
2. Mrs. R, 35 years old is suffering from chronic lymphocytic leukemia.
   a) List the types of Leukemia.
   b) Explain the clinical features of chronic lymphocytic leukemia.
   c) Describe the management of leukemia.

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

3. Explain the Stages of wound healing.
4. Describe the medical and nursing management of pleural effusion.
5. Explain the principles of hemodialysis.
6. Explain the types of diabetes mellitus.
7. Enumerate the types of fracture with suitable diagrams.
8. Explain the preventive measures of AIDS.
9. Draw the layout of Operation theatre.

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

10. Define Edema. List any 2 causes.
11. Enlist types of edema.
12. Define Flail chest.
13. Enlist types of Pneumonia.
14. List the indications of Cystoscopy.
15. Define Urticaria.
16. Enlist the medications to treat eczema.
17. Enlist National and International agencies to control Acquired Immuno Deficiency Syndrome.
18. Define Hansen’s disease.
19. Enlist Indications for Spinal Anesthesia.

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RajivGandhiUniversity of Health Sciences, Karnataka

IIYear B.Sc. Nursing Degree Examination – 02-Jul-2026

Time: Three Hours **Max. Marks: 75 Marks**

SOCIOLOGY
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1760

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. Discuss the features of urban community and its health hazards.
2. Explain the agencies of socialization.

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

3. Explain the factors of social change.
4. Discuss advantages of joint family.
5. Explain social welfare programs in India.
6. Discuss importance of primary group.
7. Explain functions of culture.
8. Discuss factors affecting assimilation.
9. Elaborate on role of conflict and its impact on health.

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

10. What is cultural diversity?
11. Mention any four Geriatric problem
12. What is Ascribed status?
13. What are the types of poverty?
14. What is Malthusian theory of population?
15. What is meant by Juvenile delinquency?
16. Define status.
17. Mention elements of community.
18. Define race.
19. List two demerits of caste system.

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RajivGandhiUniversity of Health Sciences, Karnataka

III Semester B.Sc Nursing Degree Examination - 02-Jul-2026

Time: Three Hours **Max. Marks: 37**

APPLIED MICROBIOLOGY – SECTION – A (RS-6)
Q.P. CODE: 1782

(QP Contains Two Pages)

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

(Note: Both QP Codes 1782 and 1783 are to be answered within total duration of 3 hours)

LONG ESSAY **1 x 10 = 10 Marks**

1. a) Explain microorganism with its nutritional classification
   b) Discuss the factors influencing bacterial growth

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

2. Illustrate with example the types of staining
3. Describe any two vector borne disease with its source and transmission of infection
4. Explain the characteristics and types of antigen antibody reactions

SHORT ANSWERS **3 x 2 = 6 Marks**

5. List two contributions of Joseph Lister
6. List the relevance of microbiology to nursing
7. Distinguish features of aerobic and anaerobic microorganisms

Multiple Choice Questions **6 x 1 = 6 Marks**

8. Hanging drop method for motility study was first introduced by
   A. Robert Koch
   B. Louis Pasteur
   C. Edward Jenner
   D. Antonie van Leeuwenhoek
9. The bacteria that require high levels of carbon dioxide for their growth are called
   A. Microaerophilic bacteria
   B. Aerobic bacteria
   C. Anaerobic bacteria
   D. Capnophilic bacteria
10. Loeffler’s serum slope is used for culture of
   A. Neisseria
   B. Corynebacteriumdiphtheriae
   C. Salmonellae
   D. Shigellae
11. The test used for diagnosis of non-suppurative complications of Streptococcus pyogenes infections
   A. Bile solubility test
   B. Optochin sensitivity test
   C. ASO test
   D. Subcutaneous test

12. The ' Medusa head' appearance in Nutrient agar media is a characteristic feature
    A. Clostridium perfringens
    B. Mycoplasma hominis
    C. Bacillus anthracis
    D. Ureaplasmaurealyticum

13. ELISA is used to detect
    A. HIV antigen in serum
    B. HIV antibodies in serum
    C. Rotavirus in urine
    D. Rotavirus in gastric juice

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III Semester B.Sc Nursing Degree Examination - 02-Jul-2026

Time: Three Hours **Max. Marks: 38**

INFECTION CONTROL AND SAFETY – SECTION – B (RS-6)
Q.P. CODE: 1783

(QP Contains Two Pages)

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

(Note: Both QP Codes 1782 and 1783 are to be answered within total duration of 3 hours)

LONG ESSAY **1 x 10 = 10 Marks**

1. a) Explain prevention of nosocomial infection
   b) Explain purposes of restrain policy and types of restrain with suitable example

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

2. Explain the categories of bio medical waste

3. Explain importance of spillage management protocols for nurses

4. Write short note on Vaccines recommended for health care workers and its significance

SHORT ANSWERS **3 x 2 = 6 Marks**

5. List four causes of hospital acquired infection

6. List four WHO guidelines on hand hygiene practices

7. Enumerate the precautions while transporting urine specimen

Multiple Choice Questions **7 x 1 = 7 Marks**

8. The outbreak of hospital acquired infection is due to following **EXCEPT**
    A. Contamination of food
    B. Antibiotic resistance
    C. lapse in asepsis
    D. Isolating the patient

9. The most important risk factor for catheter associated urinary tract infection(CAUTI) is
    A. Female gender
    B. Duration of catheterization
    C. Failure in adherence to aseptic technique
    D. Type of catheter material

10. The Principle involved in autoclave is
    A. Dry heat
    B. Incubation
    C. Moist heat
    D. Filtration

11. Savlon is a derivative of
    A. Alcohol
    B. Aldehyde's
    C. Phenol's
    D. Ethanol

12. The surfaces wherein the objects that contact with intact skin but not mucous membranes is classified under the Spaulding classification as
    A. Critical
    B. Semi-critical
    C. Non-critical
    D. Highly critical

13. The strategy recommended for improving staff communication goal under patient safety goal is
    A. Enhancing interdisciplinary teamwork
    B. Implementing electronic health record
    C. Increasing patient satisfaction score
    D. Streaming administrative processes

14. The International Patient Safety Goal primarily aims to achieve
    A. Increase in health care cost
    B. Improve staff morale
    C. Expand staff facility
    D. Enhance patient safety

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RajivGandhiUniversity of Health Sciences, Karnataka

III Semester B. Sc Nursing Degree Examination - 06-Jul-2026

Time: Three Hours **Max. Marks: 75**

ADULT HEALTH NURSING I (RS-6)
Q.P. CODE: 1784

(QP Contains Two Pages)

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

LONG ESSAY **2 x 15 = 30 Marks**

1. Mr. R, aged 60 years is admitted for cardiac catheterization in cardiac ward
   a) Define Cardiac Catheterization.
   b) List any 5 purposes of Cardiac Catheterization.
   c) Draw a nursing care plan for a patient with Cardiac Catheterization based on three prioritized nursing diagnosis.

2. Mr. X, aged 65-years male is admitted to the surgical ward with diagnosis of Hernia.
   a) Define Hernia.
   b) List down the types of Hernia & discuss clinical features of Hernia.
   c) Explain Surgical & Nursing management of patient undergoing surgery.

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

3. Write a brief note on Prevention of accidents and hazards in OT.
4. Enlist the causes and clinical manifestations of atelectasis
5. Explain the management of patient with chronic Bronchitis.
6. Describe the medical and nursing management of Diabetes insipidus
7. Discuss the post operative nursing management of a client under gone amputation.

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

8. Define Hyponatremia
9. Define Tetanus
10. List any four signs of Hemophilia
11. Define Eczema

Multiple Choice Questions **12 x 1 = 12 Marks**

12. Calf pain elicited on dorsi flexion of ankle suggesting thrombosis.
    A. Chvostek sign
    B. Claybrook sign
    C. Homans sign
    D. Leitters Sign
13. The position used for renal surgery is
    A. Lithotomy
    B. Sims
    C. Supine
    D. Trendelenburg
14. Which among the following is **NOT** an Opioids.
    A. Morphine Sulphate
    B. Fentanyl
    C. Levorphanol
    D. Ibruprofen

15. Which of the following chest injury can cause Lung Collapse
    A. Tension Pneumothorax
    B. Open Pneumothorax
    C. Closed Pneumothorax
    D. Flail Chest

16. In which of the following condition a percussion note of hyper resonance is usually heard
    A. Chronic obstructive pulmonary disease
    B. Lung tumour
    C. Pneumonia
    D. Pleural effusion

17. Endogenous synthesis of vitamin D occurs in
    A. Epidermis
    B. Dermis
    C. Subcutaneous Tissue
    D. Apocrine Gland

18. The test used to identify the Average 3-month Blood sugar Control is
    A. HbA_1C
    B. FBS
    C. GTT
    D. PPBS

19. Which among the following is a bacterial infection of skin
    A. Impetigo
    B. Candidiasis
    C. Tinea Unguium
    D. Verruca Vulgaris

20 The compression to ventilation ratio in adult with one rescuer is
    A. 30:2
    B. 15:2
    C. 15:1
    D. 30:1

21 A drug commonly used to treat amoebic dysentery is
    A. Albendazole
    B. Metronidazole
    C. Pantoprazole
    D. Amphotericin

22. Which of the following is an abnormal assessment finding of respiratory system
    A. Symmetric chest movements on both side
    B. Inspiratory chest expansion of 1 inch
    C. Resonance on percussion over lung field
    D. Presence of adventitious breath sound

23. The type of anaemia seen in patients who had undergone gastric resection is
    A. Megaloblasticanemia
    B. Hemolytic anemia
    C. Aplastic anemia
    D. Iron deficiency anemia

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IV Semester B.Sc Nursing Degree Examination - 08-Jul-2026

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 process and steps of prescribing drugs

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

2. What are thrombolytics? Write the indications and side effects of streptokinase.
3. List the types of cephalosporins with suitable examples. Write their actions and indications
4. Name non-steroidal anti-inflammatory drugs. Explain the actions and side effects of aspirin

SHORT ANSWERS **3 x 2 = 6 Marks**

5. List various bronchodilators
6. Name twourinary antiseptics with their side effects
7. List four drugs prepared from animal sources

Multiple Choice Questions **7 x 1 = 7 Marks**

8. Which of the following physical agent is a potential local anti-infective?
   A. Ultraviolet light
   B. Cooling
   C. Air tight storage
   D. Boiling

9. The drug of choice for the treatment of thyrotoxicosis during pregnancy is
   A. Carbimazole
   B. Iodine therapy
   C. Propylthiouracil
   D. Methimazole

10. The drugs used for the reduction of hyperpigmentation of the skin **EXCEPT**
    A. Hydrogelnone
    B. Monobenzone
    C. Mequinol
    D. Metronidazole

11. Gingival hyperplasia is an adverse effect of which drug
    A. Phenytoin sodium
    B. Valproic acid
    C. Barbiturates
    D. Carbamazepine

12. Which of the following is a nonsteroidal form of estrogen?
    A. Diethylstilbestrol
    B. Ethinylestradiol
    C. Mestranol
    D. Tibolone

13. What is the recommended dose of tetanus toxoid in pregnancy?
    A. 0.1mL
    B. 0.5mL
    C. 1mL
    D. 0.25mL

14. The term 'Ayurveda' means
    A. Science of life
    B. Knowledge of life
    C. Life of human
    D. Science of medicine

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IV Semester B. Sc Nursing Degree Examination - 08-Jul-2026

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. Discuss the blood chemistry testing, including patient preparation and specimen collection
2. Describe the pathophysiology of Type II Diabetes Mellitus and list the clinical manifestation
3. Define acute inflammation and describe the vascular changes of inflammatory process

SHORT ANSWERS **3 x 2 = 6 Marks**

4. List the clinical manifestations of wound infection
5. Mention the cardinal signs of meningitis
6. Expand ALT and AST

Multiple Choice Questions **4 x 1 = 4 Marks**

7. Which of the following is **NOT** a method for collecting sample for the cerebrospinal fluid examination?
    A. Lumbar puncture
    B. Ventricular puncture
    C. Venous puncture
    D. Cisternal puncture

8. The laboratory test used to assess renal function is
   A. Complete blood count (CBC)
   B. Serum glucose level
   C. Blood Urea Nitrogen (BUN) and Creatinine
   D. Serum total bilirubin count

9. Cryptorchidism is a condition characterized by
   A. Abnormal enlargement of the testicles
   B. Absence of testicles
   C. Undescended testicles
   D. Inflammation of the testicles

10. Normal value of blood glucose level after two hours in oral glucose tolerance test (in mg/dl) is
   A. <140
   B. 140-160
   C. 161-180
   D. 181-200

GENETICS – SECTION – C (12 marks)

SHORT ESSAYS **1 x 5 = 5 Marks**

11. Explain the maternal conditions and infections affecting developmental defects

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

12. What are blood group alleles?
13. What is genetic counselling?

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

14. The structure of a gene is
   A. Single-stranded DNA
   B. Double helix
   C. Triplet code
   D. Single band

15. The risks associated with advanced maternal age during pregnancy is
   A. Preterm birth
   B. Gestational diabetes
   C. Pre-eclampsia
   D. All of the above

16. The role of a genetic counsellor is
   A. To diagnose and treat genetic disorders
   B. To provide emotional support and guidance to individuals and families
   C. To perform genetic testing
   D. To prescribe medications for genetic conditions

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RajivGandhiUniversity of Health Sciences, Karnataka

IV Semester B.Sc Nursing Degree Examination - 10-Jul-2026

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 60-year-old female patient admitted in oncology ward with the diagnosis of cancer of thyroid gland.Five-cycles radiation therapy regimen has been recommended for her, but she is concerned about potential complications from radiation therapy.
   a) Describe the types of radiation therapy.
   b) List the complications of radiation therapy.
   c) Explain the role of nurse in end of life care in cancer patient.

2. A 40 years old male, admitted to emergency ward with left sided hemiplegia, drooling of saliva and aphasia. On physical examination and investigations he is been diagnosed with Cerebro Vascular Accident.
   a) Define Cerebro Vascular accident.
   b) List the causes of Cerebro Vascular accident.
   c) Discuss the nursing management of patient with Cerebro Vascular accident in acute phase.

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

3. Describe the nursing management of patient on ventilator.
4. Explain the types of refractive errors.
5. Discuss on Legal and ethical aspects of burns care.
6. Discuss on community programmes for elderly.
7. Discuss on Medical & Surgical management of Benign Prostatic Hypertrophy.

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

8. Mention climacteric changes in men.
9. List four purpose of triaging in disaster management.
10. Define Otalgia.
11. Name four Anti Retro Viral Therapy drugs in HIV/AIDS.

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Multiple Choice Questions **12 x 1 = 12 Marks**

12. One among the following is the major complication of inhalation injury among patients with burns is
    A. Acute Respiratory Distress Syndrome (ARDS)
    B. Hypovolemic shock
    C. Sepsis
    D. Hyperthermia

13. Primary cause of anemia in patient with Chronic Kidney Disease is
    A. Insufficient erythropoietin
    B. Insufficient iron
    C. Insufficient cyanocobalamin
    D. Insufficient folic acid

14. The preventive measure that should be emphasised while providing health education to a patient who may be at risk of colorectal cancer is
    A. Yearly fecal occult blood test
    B. Regular Digital rectal examination
    C. Annual Upper GI endoscopy
    D. Barrium enema

15. Coffee ground vomitus in a patient experiencing polytrauma suggests
    A. Abdominal injuries
    B. Acute gastritis
    C. Esophagitis
    D. Pyloric Stenosis

16. One among the risk factors for inadequate coping in the elderly is
    A. Lack of economic resources.
    B. Poor concentration.
    C. Frustration
    D. Death of friends

17. One of the most important criteria for mechanical ventilation is partial oxygen pressure of less than
    A. 80 mmHg
    B. 70 mmHg
    C. 60 mmHg
    D. 50mmHg

18. Prolonged exposure to acrylic and epoxy resins can lead to
    A. Dermatitis
    B. Greasy skin
    C. Photosensitivity
    D. Silicosis

19. An HIV patient who is in the asymptomatic carrier condition will exhibit signs like lymphadenopathy and
    A. Polycythemia
    B. Leukopenia
    C. leukocytosis
    D. Erythropenia

20 Kegel exercise is a type of rehabilitation used in
    A. Bladder training
    B. Motor skill training
    C. Posture correction training
    D. Speech training

21 The one complication nurse should monitor following cataract surgery is
   A. Hypertension
   B. Retinal detachment
   C. Gastrointestinal bleeding
   D. Urinary tract infection

22. Following a road traffic accident, a 32-year-old male was transported to the emergency department. He is wearing a cervical collar in situ, exists a patentable 18G cannula and is unconscious. The first priority in managing the patient is
   A. Insert one more cannula.
   B. Secure airway with Endotracheal tube insertion
   C. Insert Laryngeal Mask Airway
   D. Insert naso pharyngeal airway

23. Snellen's charts are utilized for testing
   A. Visual Acuity
   B. Convergence
   C. Near Vision
   D. Visual fields

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RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 07-Jul-2026

Time: Three Hours **Max. Marks: 75 Marks**

MEDICAL SURGICAL NURSING – I
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1761

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 renal calculi
   b) List out the causes and clinical manifestations of renal calculi
   c) Explain the management of patients with renal calculi

2. a) Define myocardial infarction
   b) Explain the pathophysiology and clinical manifestations of myocardial infarction
   c) Describe the management of patient with myocardial infarction

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

3. Prepare health education plan for patient with diabetes mellitus
4. Explain the stages of wound healing
5. List the causes and prevention of AIDS
6. Explain Cardio Pulmonary Resuscitation
7. Explain in detail the management of patient with tuberculosis
8. Explain the management of patient with hypertension
9. List down the types of fracture and management of patient with fracture

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

10. Portal hypertension
11. Define empyema
12. Cryptorchidism
13. Define urticaria and its causes
14. Clinical manifestation of mumps
15. Enlist anesthetic drugs
16. Thyroid storm
17. Types of pneumonia
18. Indications of cystoscopy
19. Paget’s disease

RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 09-Jul-2026

Time: Three Hours **Max. Marks: 38 Marks**

PHARMACOLOGY
(RS-2, RS-3, RS-4 & RS-5)
Q.P. Code: 1762

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer All Questions
(Note : Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS **1 x 10 = 10 Marks**

1. Classify analgesics. Write the actions and side effects of Morphine.

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

2. Name any two anti malarial drugs. List the action and contraindication for any one.
3. Explain the uses and side effects of beta blockers.
4. Classify insulin. Write the mechanism of action of insulin.
5. What are the principles of homoeopathy? List the three homoeopathic medicines.

SHORT ANSWERS **4 x 2 = 08 Marks**

6. List four routes of drug administration.
7. Name two antiseptics and their indications.
8. List any two anti-emetics.
9. List the Bronchodilators and their use.

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RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 09-Jul-2026

Time: Three Hours **Max. Marks: 37**

PATHOLOGY AND GENETICS
(RS-2, RS-3, RS-4 & RS-5)
Q.P. Code: 1763

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer All Questions
(Note : Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS **1 x 10 = 10 Marks**

1. What is wound healing? Describe the stages and factors affecting wound healing

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

2. Describe benign prostate hyperplasia
3. Explain method of testing for Hemoglobin using Sahli'sHaemometer
4. Explain the examination done on sputum with inferences

GENETICS (12 Marks)

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

5. Define Meiosis
6. What is Trisomy? Give any two examples
7. List any four roles of Nurses in Genetics
8. Name any two inborn disorders of amino acid metabolism
9. Genetic counselling
10. Define spontaneous abortion

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RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 14-Jul-2026

Time: Three Hours **Max. Marks: 75 Marks**

COMMUNITY HEALTH NURSING – I
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1764

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 Ventilation. Explain in detail the types and standards of ventilation
2. Enlist the disease caused by arthropods. Explain mosquito control measure in detail

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

3. Explain the prevention and control of typhoid
4. Explain the scope of community health nursing
5. Explain the household purification of water
6. Describe demographic cycle
7. Explain epidemiological triad
8. Explain hormonal contraceptives
9. Explain the causes of malnutrition and its prevention

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

10. Mention the complications of mumps
11. List the levels of prevention
12. Define safe period
13. Enlist the symptoms of Iodine deficiency
14. Write composition of oral rehydration solution
15. Define cold chain
16. List the objectives of family planning
17. Define Cohort
18. Write the causes of high birth rate
19. Define community health nursing

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RajivGandhiUniversity of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination – 16-Jul-2026

Time: Three Hours **Max. Marks: 75 Marks**

COMMUNICATION AND EDUCATIONAL TECHNOLOGY
(RS-2, RS-3, RS-4 & RS-5)
Q.P. CODE: 1765

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 AV aids. Describe the purpose and principles of AV aids in education.
2. List the methods of teaching. Explain about clinical teaching methods in detail.

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

3. Describe the elements of communication.
4. Purpose and types of interpersonal relationship.
5. Describe basic principles of counseling.
6. Maxims of teaching.
7. Explain the concept of Pragmatism.
8. Multiple choice question (MCQs).
9. Principles of health education.

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

10. Therapeutic relationship.
11. Team work in nursing.
12. Purposes of guidance.
13. Laws of learning.
14. Qualities of educational objectives.
15. Process recording.
16. Simulation.
17. Slide projector.
18. Types of evaluation.
19. List the methods for communicating health messages.

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