# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination – 26-Jul-2021

[Time: 3 Hours] [Max. Marks: 80]

## NURSING EDUCATION
## (RS3/RS4)
## Q.P. CODE: 9631

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

Answer All The Questions 08 X 10 = 80 Marks

1. Describe discussion method of teaching and its advantages and disadvantages.
2. Describe the various measurement tools used in clinical evaluation nursing and discuss their strengths and limitations.
3. Discuss the process and steps involved in Curriculum development.
4. Discuss in detail the different models of collaboration between nursing education and service
5. Discuss the Impact of Distance Education in nursing.
6. Describe the Impact of Social, Economical, Political and Technological Changes in Education.
7. Discuss the Guidance and Counseling Services in nursing education.
8. Discuss the importance of Self and Peer evaluation in teacher education.

First Year M.Sc. (Nursing) Degree Examination – 28-Jul-2021

[Time: 3 Hours] [Max. Marks: 80]

## ADVANCE NURSING PRACTICE
## (RS3/RS4)
## Q.P. CODE: 9632

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

Answer All The Questions 8 X 10 = 80 Marks

1. Explain in detail the pathophysiology of shock. Elaborate the collaborative management of patient with shock.
2. Write in detail and explain about Orem’s self care theory with suitable examples.
3. Explain in detail about the role of Research, Leadership and Management in nursing practice.
4. Discuss the INC code of ethics and its relevance in nursing today. Differentiate autonomy and accountability with suitable example.
5. Strategies for improving the image of nursing.
6. Use of computers in nursing practice.
7. Group dynamics.
8. Practical application of genetics in nursing.

# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination - 30-Jul-2021

[Time: 3 Hours] [Max. Marks: 80]

## NURSING RESEARCH
## (RS3/RS4)
## Q.P. CODE: 9633

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.
(Note: Both QP codes 9633 and 9634 should be, completed within the total duration of three hours)
Use separate answer books for 9633 and 9634.

Answer All The Questions 4 X 10 = 40 Marks

1. Describe the characteristics of true experimental design and explain any two types of true experimental designs.
2. Write a note on reliability and validity.
3. Define evidence based practice and explain the steps in implementation of evidence based practice.
4. List the sources of research problem and explain the steps in formulation of research problems and objectives.

First Year M. Sc. (Nursing) Degree Examination - 30-Jul-2021

Time: 3 Hours Max. Marks: 80

## STATISTICS (RS3/RS4)
## Q.P. CODE: 9634

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
(Note: Both QP codes 9633 and 9634 should be, completed within the total duration of three hours)
Use separate answer books for 9633 and 9634

Answer All The Questions 04 X 10 = 40 Marks

1. Explain measures of dispersion and their uses.
2. The following table gives the knowledge scores of 10 parents of children on immunization. Table value= 2.26 at 0.05 level.

| Before intervention | After intervention |
|---|---|
| 12 | 13 |
| 14 | 17 |
| 8 | 12 |
| 11 | 14 |
| 13 | 19 |
| 7 | 15 |
| 9 | 12 |
| 10 | 13 |
| 11 | 16 |
| 14 | 15 |

Test whether there is significance increase on the average in knowledge scores.

3. A study revealed that among 50 males 20 were smokers and among 20 females 5 were smokers. Use chi square test to find whether gender and smoking are associated. Table Value = 3.84 at 0.05 level.
4. Use of computers in statistics.

# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M. Sc. (Nursing) Degree Examination – 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 80]

## MEDICAL SURGICAL NURSING
(RS3/RS4)
Q.P. CODE: 9635

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

Answer All The Questions 8 X 10 = 80 Marks

1. Discuss the pathophysiology of chronic renal failure and explain the medical and nursing management after renal transplantation.
2. Explain the types and clinical features of peptic ulcer and discuss the management of a patient with peptic ulcer.
3. Describe the mechanism and pathophysiology of Head injury and explain the management of a patient with Head injury.
4. Discuss the pathophysiology of Burns and explain the management of the patient with 60% of Burn injury.
5. Write a note on Infertility.
6. Explain the steps in Tracheostomy care.
7. Classify and explain the management of Hypertension.
8. Explain Psychosocial aspects of ageing.

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First Year M.Sc. (Nursing) Degree Examination - 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 80]

## COMMUNITY HEALTH NURSING - I
(RS3/RS4)
Q.P. CODE: 9636

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

Answer All The Questions 08 X 10 = 80 Marks

1. List the major health problems in our country and explain the steps taken by the government to combat malnutrition.
2. Explain how will you plan and implement a programme for the control of lymphatic filaraiasis in the community.
3. Define family nursing process and describe how can Roy's adaption Model be applied in caring for families with relevant example.
4. As a public health nurse, how will you organize a training programme for the health workers in your district?
5. Explain Revised National Tuberculosis Control Programme.
6. Discuss Sustainable Development Goals.
7. Discuss changing ecosystem and its impact on health and illness.
8. Brief management of an infant with dehydration.

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# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination - 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 80]

## CHILD HEALTH (PAEDIATRIC) NURSING
## (RS3/RS4)
## Q.P. CODE: 9637

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

Answer All The Questions 08 X 10 = 80 Marks

1. Discuss the physical, psychosocial and psychosexual development of preschool children.
2. Explain Stressors of hospitalized children related to developmental stages and the preparation of children for hospitalization.
3. Explain the genetic counselling and the role of the nurse in counselling.
4. Explain National health policy for children.
5. Explain principles of growth and development.
6. Describe how you will assess, classify and treat diarrhoea in a sick, young infant upto 2 months of age according to IMNCI (Integrated Management of Neonatal and Childhood Illnesses).
7. Describe physical assessment of a new born.
8. Explain management of common behaviour problems in children.

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First year M. Sc. (Nursing) Degree Examination – 02-Aug-2021

Time: Three Hours Max. Marks: 80 Marks

## OBSTETRICS AND GYNECOLOGICAL NURSING
## (RS3/RS4)
## Q.P. CODE: 9638

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

Answer All The Questions 08 x 10 = 80 Marks

1. Enumerate theories applied to midwifery practice. Explain theory of Ramona Mercer with a suitable illustration.
2. Explain in detail about Independent Nurse Midwifery Practitioner.
3. Define antenatal care. Discuss about Preparation for child birth and parenthood.
4. Define Normal Puerperium. Explain in detail about nursing management of postnatal women.
5. Enumerate the physiological, psychological, social and cultural aspects in menopause.
6. Explain in detail about adoption procedure in India.
7. Describe Management Information and Evaluation System (MIES).
8. Explain Anaesthesia and analgesia in Obstetrics.

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# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination - 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 80]

## MENTAL HEALTH (PSYCHIATRIC) NURSING
## (RS3/RS4)
## Q.P. CODE: 9639

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

Answer All The Questions 08 X 10 = 80 Marks

1. Enumerate the standards of psychiatric mental health nursing.
2. Describe the theory of psychosocial development.
3. Elaborate different therapeutic communication techniques.
4. Describe stress management.
5. Discuss psychotherapy.
6. Describe therapeutic community.
7. Explain about commonly used psychometric assessment.
8. Role of nurse in administering antipsychotic drugs.

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First Year M.Sc. (Nursing) Degree Examination – 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 70]

## Advanced Health/Physical Assessment in Critical Care Nursing
## Q.P. CODE: 9665

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

Answer all the questions 10 X 7 = 70 Marks

1. What are the Physical examination techniques used in a focused endocrine assessment
2. What is Electrocardiogram, explain ECG changes in Myocardial Infarction
3. A 40-year female comes to the casualty with breathlessness and diagnosed as having Asthma. What history are you going to collect for a patient with Asthma. Discuss the diagnostic measures carried out for patient with Asthma
4. Explain Nerve conduction studies and its importance
5. Explain the assessment format for patient with right side CVA and discuss the diagnostic studies
6. Discuss risk factors for cervical cancer and illustrate on various diagnostic tests used to rule out cancer
7. Explain motor and sensory assessment as a component of neurological assessment
8. Discuss a focused history collection for a patient with renal failure and specify renal function assessment
9. What is ABG and explain the steps in interpreting ABG
10. Diagnostic assessment of patient with Iron deficiency anaemia

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# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination – 26-Jul-2021

[Time: 3 Hours] [Max. Marks: 70]

## RESEARCH APPLICATION AND EVIDENCE BASED PRACTICE IN CRITICAL CARE
## Q.P. CODE: 9662

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

Answer all the questions 10 X 7 = 70 Marks

1. Discuss steps of review of literature
2. Research question formulation and evaluation
3. Conceptual framework in research
4. Significance of research in advanced nursing role
5. Discuss the steps to integrate EBP in ICU
6. Nurses role in promoting research culture
7. List types of qualitative research and explain anyone
8. Explain Non-probability sampling
9. Briefly describe experimental quantitative designs
10. Enlist types of tools of data collection and construct observation check list for closed suctioning.

First Year M.Sc. (Nursing) Degree Examination – 28-Jul-2021

Time: 3 Hours Max. Marks: 70

## ADVANCED SKILLS IN LEADERSHIP, MANAGEMENT AND TEACHING
## Q.P. CODE: 9663

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

Answer all the questions 10 X 07 = 70 Marks

1. Discuss the management of human resources and staff assignment in critical care setting
2. Define leadership? Discuss in detail any one leadership style with pros and cons
3. As a Nurse Practitioner in critical care setting how would you adopt team building and motivation of staff effectively?
4. Describe the steps in planning an ICU budget
5. Describe the critical thinking and decision-making skills applied to critical care nursing practice with suitable examples
6. Define Nursing Audit. Explain the methods of auditing
7. Define inventory control. Describe the role of Nurse practitioner in material management in ICU setting
8. ICU staff experience lot of work stress. Discuss techniques of stress management in critical care environment
9. Discuss about advocacy role of Nurse Practitioner in Critical Care setting
10. Illustrate principles of learning applied to critical care nursing

# Rajiv Gandhi University of Health Sciences, Karnataka

First Year M.Sc. (Nursing) Degree Examination – 30-Jul-2021

[Time: 3 Hours] [Max. Marks: 70]

## Advanced Pathophysiology and Advanced Pharmacology
## Q.P. CODE: 9664

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

Answer all the questions 10 X 7 = 70 Marks

1. Mr. B, 45 years old male known case of type 2 diabetes mellitus admitted in emergency ward with complaints vomiting since two days. On physical examination, he was not fully arousal. His body temperature 37.4° F, blood pressure – 100/60 mm of Hg, respiration-16 breaths/minute and pulse-70/minute. Initial biochemistry tests revealed, serum glucose of 1024 mg/dl, serum osmolality 348 mOsm/kg, serum sodium-1128 mmol/L. Urine analysis revealed severe glycosuria and mild ketonuria and diagnosed to have Hyperosmolar Non-Ketotic Hyperglycemic Coma (HNKHC). Answer the following
    a. Describe the Pathophysiology of HNKHC
    b. Explain the emergency management of Mr. B

2. Mrs. A, 70 years old female with history of hypertension and hyperlipidemia admitted to tertiary care hospital with sudden onset of right sided weakness. On physical examination, she was conscious, had right facial droop, right hemiplegia, dysarthria, right homonymous hemianopia and global aphasia. She was alert and responsive and answering the questions correctly. Answer the following:
    a. Discuss the assessment of Mrs. A using National Institute of Health (NH) stroke scale
    b. Explain the rehabilitation strategies for Mrs. A

3. Describe the pathophysiology of disseminated intravascular coagulation (DIC)

4. Explain the management of postpartum hemorrhage

5. Mr. A, 65 years male is brought to emergency department with history of fever since one week. He is drowsy, skin is pale, dry and hot. Heart rate-104/minute, repiration-26 breaths/minute, BP-90/50 mm of Hg and temperature -102° F. He is diagnosed as having sepsis and started with inj. Noradrenaline infusion at the rate of 3mcg/minute. Answer the following:
    a. Describe the mechanism of action of Noradrenalin on various receptor in the body
    b. Explain the role of other inotropes in management of Mr. A

6. Mr. X, 75 years old was admitted in Level 2 ICU with active acute upper gastrointestinal (UGI) bleeding. He is a known case of Coronary artery disease and was on regular dose of Ecosprin 75 mg once a day. His past history included peptic ulcer, two years ago and was on treatment for few months. Upon examination, he was hypotensive; BP 94/58 mm of Hg, thread pulse of 52 / minute, Respirations 18 breaths / minute, decreased skin turgor and capillary refill of 2 seconds. His Hb-7.3g/dl, Hematocrit-19%. Answer the following
    a. Explain pharmacological management of Mr.X
    b. Describe the role of Nurse practitioner in prevention of UGI bleed for Mr.X

7. Describe the drugs used in the management of pulmonary embolism with rationale
8. Explain the pharmacological management in organophosphorus poisoning
9. Describe the mechanism of drug transport across the biological membranes
10. Classify diuretics and explain the mechanism of action of mannitol in treating patient with CVA

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First Year M.Sc. (Nursing) Degree Examination – 02-Aug-2021

[Time: 3 Hours] [Max. Marks: 70]

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