Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - October 2015

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

BIOSTATISTICS, RESEARCH METHODOLOGY & NURSING RESEARCH

(Revised Scheme 2)

Q.P. CODE: 9606 & 9607

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

Section A and Section B should be completed within total duration of three hours.

Q.P. CODE: 9606 - Section A
Biostatistics [40 marks]

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Enumerate the different measures of central tendency with an illustration.
2. What is ANOVA? Explain in detail with an example.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Mann Whitney's U test
4. Vital health statistics

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. Degree Examination – OCTOBER 2015

[Time: 3 Hours] [Max. Marks: 40]

Nursing Education (RS2)

Q.P. CODE: 9605

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.
(Note: Both QP codes 9604 and 9605 should be, completed within the total duration of three hours)
Use separate answer books for 9604 and 9605.

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Explain about the concept and principles of curriculum development. (5 marks)
   b) Write in detail about the steps of curriculum development. (10 marks)
2. a) Explain the steps of achievement test construction. (5 marks)
   b) Discuss in detail about the characteristics of good measuring test. (10 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Teacher Education.
4. Lesson planning

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. Degree Examination – OCTOBER 2015

[Time: 3 Hours] [Max. Marks: 40]

Education (RS2)

Q.P. CODE: 9604

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.
(Note: Both QP codes 9604 and 9605 should be, completed within the total duration of three hours)
Use separate answer books for 9604 and 9605.

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Describe the Aims of Education. (5 marks)
   b) Discuss about the modern contemporary philosophies of education. (10 marks)
2. a) Describe Education for democracy. (5 marks)
   b) Discuss the problems of education in the present society. (10 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Continuing education and distance education.
4. Non-formal agencies of education

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCTOBER 2015

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

ADVANCED CONCEPTS OF HEALTH AND NURSING

PAPER I

(Revised Scheme 2)

Q.P. CODE: 9601

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Mr. Antony, 50 years old coolie worker got admitted to the medical ward with the history of sudden loss of consciousness. Answer the following by considering the health condition of Mr. Antony.
   a) List down the possible nursing diagnosis for Mr. Antony. (5 marks)
   b) Prepare a nursing care plan in relation to any three prioritized nursing diagnosis using nursing process. (10 marks)
2. a) Describe the concepts in self-care theory according to Dorothea Orem. (6 marks)
   b) Explain the application of Orem's theory in nursing care. (9 marks)
3. Explain in detail about extended and expanded role of nurse in health care delivery system. (15 marks)
4. Explain the importance of power and politics in improving the professional standards of nursing. (15 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Health care organization and functions at the state level
6. Importance of research in nursing profession
7. Health care team
8. Explain the role of nurse in all levels of prevention.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCTOBER 2015

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

EDUCATION AND NURSING EDUCATION - (RS)

Q.P. CODE: 8405

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

Use separate answer books for 8404 (section A) and 8405 (section B)
Both QP codes 8404 & 8405 should be answered within total duration of 3 hours
Q.P CODE: 8405 – Section B – Nursing Education (40 Marks)

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define evaluation?
   b) Discuss different methods of evaluation for nursing students both in the classroom and clinical field situations.
2. Discuss in detail the patterns of nursing education and programs in India

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Techniques of counseling
4. Continuing Education

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - OCTOBER 2015

[Time: 3 Hours]

Note – Three hours given to complete Q P 8404 & 8405
Use Separate Answer Booklets for 8404 and 8405

Education - (RS)

Q.P. CODE: 8404

[Max. Marks: 40]

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Define philosophy. Explain the relationship between philosophy and Education
2. Describe the current trends in education

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Eclecticism
4. Discipline and Democracy

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Rajiv Gandhi University of Health Sciences

FIRST YEAR M.Sc. (NURSING) DEGREE EXAMINATION - OCTOBER 2015

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

PAPER I – ADVANCED CONCEPTS OF HEALTH AND NURSING

(Revised Scheme)

QP Code: 8401

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

Answer the following **4 X 15 = 60 Marks**

1. Explain the patterns of health care delivery system in India.
2. Define disaster and its types. Explain the role of nurse in the disaster management.
3. Describe the theories of pain. Discuss the nurses role in pain management.
4. Define theory. Explain the purposes of theory. Discuss in detail about Imogene King's Goal attainment theory

Write Short notes on any two **2 X 10 = 20 Marks**

5. Tele medicine
6. Quality assurance in nursing
7. Discuss the code of ethics for nursing profession
8. Enumerate the Principles of counseling. Add a note on genetic counseling

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

NURSING SPECIALITY - I

PRINCIPLES OF PSYCHIATRIC NURSING

(Revised Scheme)

Q.P. CODE: 8412

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Enumerate the characteristic feature of withdrawal syndrome.
   b) Write nursing management of a patient with alcohol withdrawal. (5+10 = 15 marks)
2. a) Mention the use of conceptual models of psychiatric care.
   b) Explain psychoanalytical model. (5+10 = 15 marks)
3. a) What are the different phases of nurse-patient relationship?
   b) Explain how to overcome the barrier in communication. (10+5 = 15 marks)
4. Discuss the rehabilitative psychiatric nursing approaches to individual, family and community.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Grief process
6. Concept of primary prevention of mental illness
7. National Mental Health Programme
8. Electro Convulsive Therapy

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

NURSING SPECIALITY - I

OBSTETRICS AND GYNAECOLOGICAL NURSING - I

(Revised Scheme)

Q.P. CODE: 8411

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

LONG ESSAY (ANSWER ALL) **4 X 15 = 60 Marks**

1. Explain the physiological changes in pregnancy.
2. Describe the role of nurse in genetic counseling and guidance.
3. Explain the use of partograph in assessing progression of normal labour.
4. Explain the history, objectives, psychosocial and cultural aspects in obstetric nursing.

SHORT ESSAY (Answer any TWO) **2 X 10 = 20 Marks**

5. Explain the physiology of normal human sexual behaviour.
6. Describe the mechanism of collecting vital statistics.
7. Explain the causes and management of Birth Asphyxia.
8. Describe the physical adaptation of newborn.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

NURSING SPECIALITY - I

PAEDIATRIC NURSING

(Revised Scheme)

Q.P. CODE: 8410

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Describe the cognitive development of a school-aged child. (5 marks)
   b) Explain, why are peers, teachers and schools so important for the school-aged child. (6 marks)
   c) Discuss the appropriate methods of discipline and limit setting of a school-aged child. (4 marks)
2. Discuss the immature physiologic functioning of the neurological, cardio-respiratory, gastrointestinal, genitourinary, and musculoskeletal system in newborn, and their relationship to the nursing care of the neonate. (15 marks)
3. a) Describe the steps in neonatal resuscitation. (10 marks)
   b) Explain the role of nurse in neonatal resuscitation. (5 marks)
4. Explain the following in relation to management of child with failure to thrive (FTT).
   a) Causes (4 marks)
   b) Clinical management (4 marks)
   c) Therapeutic and nursing management (7 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Reactions of preschool child to illness and hospitalization
6. Scope of preventive pediatrics
7. Genetic counseling
8. Developmental screening tests for children

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

NURSING SPECIALITY - I

COMMUNITY HEALTH NURSING

(Revised Scheme)

Q.P. CODE: 8409

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Explain randomized controlled trials (RCT) as a method of epidemiology.
2. Mrs. Rekha, working as a school health nurse in Higher Primary School and Master Akash 8 years old boy who is studying in 3rd standard started showing symptoms of meningitis. How Mrs. Rekha should take care and proceed with the condition as a member of school health team?
3. Explain the theories and stages for change in community. What are the resistances to change?
4. Explain the measures of National Nutritional Policy to eradicate malnutrition. Discuss Vitamin A prophylaxis programme.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Community participation and decision making to implement National tuberculosis control programme
6. Demographic cycle and National demographic goal to achieve Health For All
7. Small family norm
8. Health belief model

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

NURSING SPECIALITY - I

MEDICAL SURGICAL NURSING

(Revised Scheme)

Q.P. CODE: 8408

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) List the signs and symptoms of meningitis.
   b) Explain the pathophysiology of meningitis.
   c) Explain the nursing management of patient with meningitis. (5+3+7)
2. a) List the causes of nephrotic syndrome.
   b) Explain the pathophysiology of nephrotic syndrome.
   c) Explain the medical and dietary management of a patient with nephrotic syndrome. (3+5+7)
3. a) List the types of fracture.
   b) Explain the stages of bone healing.
   c) Write the nursing management of a patient with fracture based on nursing process. (5+3+7)
4. a) List the causes of diabetes insipidus.
   b) Explain the diagnostic tests for a patient with diabetes insipidus.
   c) Write the nursing and medical management of a patient with diabetes insipidus. (3+5+7)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Vaginal fistulas
6. Cushing's syndrome
7. Ulcerative colitis
8. Lung abscess

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 8404 & 8405

Nursing Education - (RS)

Q.P. CODE: 8405

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) List the types of Curriculum (3)
   b) Mention the principles and selection and organization of learning experiences to a B. Sc. Nursing programme (6)
   c) Explain the current trends in curriculum planning (6)

2. List out various methods of teaching. Discuss advantages & disadvantages of Nursing clinics and Nursing Rounds

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Master Rotation Plan

4. Teaching strategies

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 9633 & 9634

NURSING RESEARCH (RS3 & RS4)

Q.P. CODE: 9633

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Describe the scope of nursing research in this modern era.
   b) Discuss the importance of ethics in Nursing Research.
2. Explain the purpose of survey research and discuss the types of survey approach.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Factors influencing sampling
4. Discuss importance, purposes and sources of Review of Literature.

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

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 THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define correlation. What are the different types of correlation?
   b) The following is the knowledge and attitude scores of 10 persons recorded by a nursing researcher for the pilot study.

Knowledge score	24	36	29	27	33	30	22	20	21	25
Attitude score	41	56	48	45	76	64	42	50	56	80

   Calculate Spearman's rank correlation and interpret the result. Also, find out the reliability coefficient. (5+1 = 15 marks)

2. a) Explain the need for testing of hypothesis.
   b) The following data was obtained by a researcher to assess the association between level of knowledge and type of family.

Type of family	Level of Knowledge			Total
	Inadequate	Moderately Adequate	Adequate	
Nuclear	36	27	2	65
Joint	17	5	13	35
Total	53	32	15	100

   Test at 5% level of significance. (Critical value = 5.99). (5+10 = 15 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Define different measures of vital statistics. Which of these measures are considered to be sensitive Indicators?
4. Define normal distribution. What are its properties?

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

MEDICAL SURGICAL NURSING

(RS 3 and RS 4)

Q.P. CODE: 9635

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Mr. Sunil 45 years, a chronic alcohol is admitted with Cirrhosis of Liver. (8+7)
   a) Illustrate diagrammatically what pathophysiological changes that occur.
   b) Discuss what complications of Cirrhosis of Liver can he develop and its management.
2. Mr. Muniraju 50 years old admitted to the burns unit with 70% of burns, 50 kg weight. (8+7)
   a) Write in detail the fluid replacement therapy and wound management of a patient for first 48 hours.
   b) Enlist the complications and its prevention.
3. Mrs. Revathi, 55 years old patient admitted to the ward with a non-healing foot ulcer, she is a known case of Diabetes Mellitus, on Insulin treatment. (2+5+8)
   a) Define Diabetes Mellitus.
   b) Discuss pathophysiological changes that occur.
   c) Discuss in detail the Acute and Chronic complications of Diabetes Mellitus and its management.
4. Ms. Sumathi, 28 years old is admitted to orthopedic ward with a fracture of femur after sustaining road traffic accident, and has been posted for surgery. (3+7+5)
   a) Describe various surgical modalities of treatment of fracture.
   b) Explain post-operative nursing management of Ms. Sumathi who is on external fixation.
   c) Plan health education.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Diet therapy in nephrotic syndrome
6. Ambulatory care
7. Care of patient with Plaster of Paris
8. Extracorporeal Shock Wave Lithotripsy

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Rajiv Gandhi University of Health Sciences

First year M.Sc. (Nursing) Degree Examination – MAY 2015

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

MENTAL HEALTH (PSYCHIATRIC) NURSING

(RS 3 & RS 4)

Q.P. CODE: 9639

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Explain the contemporary practice in psychiatric nursing.
   b) Discuss the extended and expanded role of psychiatric nurse.
2. a) State the stages of development in Mahler's theory.
   b) Discuss its application in psychiatric nursing
3. a) Enumerate the characteristics of assertive behavior
   b) Discuss the role of nurse in assertive training.
4. a) Mr. X complaints of hearing voices, suspecting others, restlessness and inappropriate behavior.
   a) Discuss the mental status examination for Mr. X with above mentioned symptoms
   b) Prepare a nursing care plan of Mr. X

SHORT NOTES (Answer any <u>TWO</u>) **2 X 10 = 20 Marks**

5. List the alternative systems of medicine and discuss any one in detail.
6. List the anti – depressant agents and discuss its side effects in detail.
7. Discuss indications, contraindications and side effects of electro convulsive therapy.
8. Discuss the nurses role in Milieu therapy.

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Rajiv Gandhi University of Health Sciences, Karnataka

First year M. Sc. (Nursing) Degree Examination – MAY 2015

Time: Three Hours **Max. Marks: 80 Marks**

Obstetrics & Gynecological Nursing

Q.P. CODE: 9638

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

LONG ESSAY (ANSWER ALL THE QUESTIONS) **4 x 15 = 60 Marks**

1. a) Define high-risk pregnancy.
   b) Explain how to identify high-risk pregnancy.
   c) Describe role of midwife in identification of high-risk pregnancy and crisis intervention. (2+5+8 = 15 marks)
2. a) What is intrapartum monitoring?
   b) Explain principles and uses of partograph.
   c) Explain comprehensive nursing management during second stage of labor. (2+5+8 = 15 marks)
3. a) Explain physiology of lactation.
   b) Describe evidence based practices to improve lactation. (8+7 = 15 marks)
4. a) What are the family welfare programmes related to maternal and child health?
   b) Explain the role of nurse midwife in family welfare programmes. (7+8 = 15 marks)

SHORT ESSAYS (Answer any two) **2 x 10 = 20 Marks**

5. Describe the causes and diagnostic procedures of infertility.
6. Hormone replacement therapy (HRT)
7. Explain the activities of NGO's in national rural health mission.
8. Explain about newborn nutrition.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

CHILD HEALTH (PAEDIATRIC) NURSING

Q.P. CODE: 9637

(RS 3 & RS4)

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Explain the current trends and ethical issues in Paediatric Nursing.
2. Explain the growth and development of adolescent.
3. a) Explain Baby Friendly Hospital Initiative (BFHI).
   b) Elaborate nutritional requirements from infancy to adolescence.
   c) Discuss nutritional programmes for children in India. (4+5+6)
4. a) Discuss the paediatric emergencies.
   b) Explain role of school health nurse during Paediatric emergencies. (7+8)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Care of battered child
6. Nursing audit in NICU
7. Neonatal resuscitation
8. Role of Paediatric nurse in identification and prevention of child abuse

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

[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 THE FOLLOWING **4 X 15 = 60 Marks**

1. a) What is the health status of rural community in India?
   b) Explain about National Rural Health Mission.
2. a) List the various nutritional problems in India.
   b) Discuss about any two nutrition programmes in detail.
3. a) What are alternative systems of medicine?
   b) Describe the challenges of health care delivery system in India.
4. a) Define Epidemiology.
   b) What are the different measures of health and illness?
   c) Explain the uses of epidemiology.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. National population policy
6. Nursing care of elderly population
7. IEC principles and strategies
8. Family centered nursing approach

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

MEDICAL SURGICAL NURSING

(RS 3 and RS 4)

Q.P. CODE: 9635

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Mr. Sunil 45 years, a chronic alcohol is admitted with Cirrhosis of Liver. (8+7)
   a) Illustrate diagrammatically what pathophysiological changes that occur.
   b) Discuss what complications of Cirrhosis of Liver can he develop and its management.
2. Mr. Muniraju 50 years old admitted to the burns unit with 70% of burns, 50 kg weight. (8+7)
   a) Write in detail the fluid replacement therapy and wound management of a patient for first 48 hours.
   b) Enlist the complications and its prevention.
3. Mrs. Revathi, 55 years old patient admitted to the ward with a non-healing foot ulcer, she is a known case of Diabetes Mellitus, on Insulin treatment. (2+5+8)
   a) Define Diabetes Mellitus.
   b) Discuss pathophysiological changes that occur.
   c) Discuss in detail the Acute and Chronic complications of Diabetes Mellitus and its management.
4. Ms. Sumathi, 28 years old is admitted to orthopedic ward with a fracture of femur after sustaining road traffic accident, and has been posted for surgery. (3+7+5)
   a) Describe various surgical modalities of treatment of fracture.
   b) Explain post-operative nursing management of Ms. Sumathi who is on external fixation.
   c) Plan health education.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Diet therapy in nephrotic syndrome
6. Ambulatory care
7. Care of patient with Plaster of Paris
8. Extracorporeal Shock Wave Lithotripsy

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

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 THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define mean and standard deviation.
   b) The fasting blood sugar of 10 patients are as follows:
   112, 78, 184, 96, 100, 80, 94, 98, 190, 100
   Calculate (i) Mean, (ii) Median, (iii) Mode and (iv) Standard deviation. (3+12 = 15 marks)
2. a) What are the steps involved in testing of hypothesis?
   b) A nursing researcher has obtained the following data on knowledge of primi antenatal mothers regarding breast-feeding practices for the pilot study. The researcher's intention is to know whether video assisted method (VAM) is more effective in imparting the knowledge as compared to structured teaching programme (STP).

VAM	26	29	23	28	34	38
STP	20	18	21	19	17	25

   i. State suitable Null and alternative hypotheses.
   ii. Test at 5% level of significance whether VAM is more effective compared to STP in imparting the knowledge to primi antenatal mothers. (5+10 = 15 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Explain the different scales of measurement with suitable examples.
4. Differentiate between the following:
   a) Standard deviation and Standard error
   b) Parametric and Non-parametric tests
   c) Qualitative and Quantitative variables.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 9633 & 9634

NURSING RESEARCH (RS3 & RS4)

Q.P. CODE: 9633

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Describe the scope of nursing research in this modern era.
   b) Discuss the importance of ethics in Nursing Research.
2. Explain the purpose of survey research and discuss the types of survey approach.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Factors influencing sampling
4. Discuss importance, purposes and sources of Review of Literature.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

ADVANCE NURSING PRACTICE

(RS 3 & RS 4)

Q.P. CODE: 9632

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Explain about the criteria of a profession.
   b) Discuss – Quality assurance in nursing service.
2. Discuss the aspects of pre and post-operative care.
3. Explain about the principles and techniques of crisis intervention
4. Discuss-Evidence based nursing practice.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Information Education and Communication (IEC)
6. Uses of Epidemiology
7. Prenatal diagnosis and screening
8. Nightingale's theory

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – APRIL/MAY 2015

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

NURSING EDUCATION

(RS–3 & RS4)

Q.P. CODE: 9631

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Discuss about the recent trends in development of Nursing education.
2. List the various instructional strategies used in nursing education. Explain in detail the use of demonstration in Nursing.
3. As a Principal College of Nursing, explain your responsibility related to evaluation and measurement of the students both in theory and in practicals.
4. Define Curriculum. Develop a curriculum plan for IV year B. Sc Nursing programme with adequate explanation for each step.

SHORT NOTES (Answer any <u>TWO</u>) **2 X 10 = 20 Marks**

5. Microteaching
6. Test construction
7. Master Plan
8. Patterns of Nursing Education and Training Programmes in India

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

NURSING SPECIALITY I

OBSTETRICS AND GYNAECOLOGICAL NURSING - I

(Revised Scheme 2)

Q.P. CODE: 9612

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

LONG ESSAY (ANSWER ALL Questions) **4 X 15 = 60 Marks**

1. a) Define puerperium.
   b) Explain the physiological changes in puerperium.
   c) Describe the assessment and management of mother and newborn in postpartum.
2. a) Define minor disorders of pregnancy.
   b) Explain diagnosis and preventive measures for minor discomforts.
   c) Explain the management of minor disorders of pregnancy.
3. a) Define biochemical and biophysical profile.
   b) Explain all the diagnostic tests for fetal well being.
   c) Describe the role of nurse in promoting fetal well being.
4. a) Define eutocia.
   b) Describe the principles, steps in mechanism (LOA) of normal labour.
   c) Explain role of independent nurse practitioner in conducting safe delivery.

SHORT ESSAY (Answer any TWO) **2 X 10 = 20 Marks**

5. Describe the Essential newborn care
6. Explain the chromosomal disorders and management.
7. Explain the functions and abnormalities of placenta and umbilical cord.
8. Illustrate any five current trends in obstetrics and gynecological nursing.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

NURSING SPECIALITY I – PSYCHIATRIC NURSING

PRINCIPLES OF PSYCHIATRIC NURSING

(Revised Scheme 2)

Q.P. CODE: 9611

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Define crisis intervention.
   b) Describe the role of nurse in crisis intervention with an example. (2+13 = 15 marks)
2. a) Define rehabilitation.
   b) What are positive and negative re-inforcers?
   c) Discuss role of nurse in social skill training of a chronic psychiatric patient.
   (2+5+8 = 15 marks)
3. a) Describe any four therapeutic communication techniques.
   b) Explain in detail the therapeutic impasses and how do you overcome the impasses.
   (8+7 = 15 marks)
4. a) List the objectives of Mental Health Act.
   b) What are the types of admission and discharge according to the Mental Health Act?
   c) Explain Leave of Absence. (4+8+3 = 15 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Explain Psychoanalytical model.
6. Nursing management of a patient on tricyclic anti depressant
7. Psychiatric interview
8. Interdisciplinary mental health team

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

PAEDIATRIC NURSING I (CHILD HEALTH NURSING)

(Revised Scheme 2)

Q.P. CODE: 9610

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Explain the growth and development of school age child, under the following headings:
   a) Biological and psychosocial development (8 marks)
   b) Special needs (3 marks)
   c) Common accidents and its prevention (4 marks)
2. Master Praveen three years old admitted to the medical ward with diagnosis of tonsillitis. Based on the situation answer the following questions:
   a) Explain the measures to prevent separation anxiety during hospitalization. (8 marks)
   b) Describe the measures to promote development while admitted in hospital. (7 marks)
3. Discuss the theoretical framework for pediatric nursing care. (15 marks)
4. Describe the anatomical and physiological difference between adult and children. (15 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Recent trends in child care
6. Genetic theory
7. National nutrition programmes
8. Uses of play in children

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

NURSING SPECIALITY I – COMMUNITY HEALTH NURSING - I

(Revised Scheme 2)

Q.P. CODE: 9609

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Define primary health care. (2+5+8 = 15 marks)
   b) Explain the barriers in the present health care delivery system.
   c) Write in detail about organization of health care services in rural India.
2. a) What is the meaning of occupational health nursing? (2+6+7 = 15 marks)
   b) Describe the scope of services provided through occupational health and safety programme.
   c) Explain the role of nurse in occupational health.
3. a) Enlist the stages involved in planning process (2+10+3 = 15 marks)
   b) Explain each stage in detail.
   c) What are the six steps in planning for programme evaluation?
4. a) What are the epidemiological approaches available in solving health problems of community?
   b) Write in detail about the uses of epidemiology. (5+10 = 15 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Conservation of eco system.
6. Describe the steps of community health nursing process.
7. What are the preventive and social measures for malnutrition at family, community, national and international level?
8. What is the impact of population growth on health?

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

NURSING SPECIALITY I – MEDICAL AND SURGICAL NURSING

(Revised Scheme 2)

Q.P. CODE: 9608

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Define cirrhosis of liver
   b) Explain the pathophysiology and complications of cirrhosis of liver
   c) Discuss the nursing and collaborative management of cirrhosis of liver
2. a) Discuss the etiology and pathophysiology of acute renal failure?
   b) Explain the nursing assessment of a client with renal failure
   c) Discuss the role of nurse in renal transplantation
3. a) Enumerate the types and Stages of epilepsy
   b) Explain the Complications of epilepsy
   c) Nursing care of a client with epilepsy
4. a) Define Hypertension and mention the types of hypertension
   b) Write in detail the pathophysiology of hypertension.
   c) Plan the teaching guide on hypertension for patient and family

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Zollinger – Ellison syndrome.
6. Infertility
7. Dermatitis
8. Bronchiectasis

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 9606 & 9607

Research Methodology & Nursing Research (RS2)

Q.P. CODE: 9607

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Explain different methods of sampling and their merits and demerits in the context of nursing research.
2. Define Reliability and validity and list the methods to establish reliability of a tool. Describe any one method in detail.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Pilot study
4. Conceptual frame work

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

BIOSTATISTICS, RESEARCH METHODOLOGY & NURSING RESEARCH

(Revised Scheme 2)

Q.P. CODE: 9606 & 9607

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

Section A and Section B should be completed within total duration of three hours.

Q.P. CODE: 9606 - Section A
Biostatistics [40 marks]

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Explain the following in detail. (5+5+5)
   a) Standard deviation and its uses
   b) Various scales of measurement
   c) Randomized Block Design (RBD)
2. Enumerate the different methods of graphical presentation with an illustration

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Difference between parametric and non parametric tests
4. Significance and scope of statistics

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. Degree Examination – MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Nursing Education (RS2)

Q.P. CODE: 9605

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

(Note: Both QP codes 9604 and 9605 should be, completed within the total duration of three hours)

Use separate answer books for 9604 and 9605.

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) What is learning experience? (5 marks)
   b) How will you select and organize the learning experiences for Baccalaureate Nursing Programme? (10 marks)
2. a) Define counselling. (5 marks)
   b) Describe in detail about techniques and problems in counselling the nursing students. (10 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Explain Problem solving as a method of classroom teaching.
4. Describe different types of AV aids used in nursing programmes.

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination – MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 8402 & 8403

Biological and psychosocial foundations of nursing (RS)

Psycho-Social foundation of nursing and epidemiology (Section B)

Q.P. CODE: 8403

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Discuss phenominological theories of personality development.

2. Describe the developmental changes in an adolescent and nurses role in managing the problems of an adolescent.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Aggressive behaviour

4. Nursing care of people with social maladjustment

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. Degree Examination – MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Education (RS2)

Q.P. CODE: 9604

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

(Note: Both QP codes 9604 and 9605 should be, completed within the total duration of three hours)

Use separate answer books for 9604 and 9605.

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define Philosophy. (5 marks)
   b) Explain in detail about traditional philosophies. (10 marks)
2. a) Define democracy. (5 marks)
   b) Discuss in detail about reports of educational commissions. (10 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Factors responsible for socio-cultural change.
4. Distance education

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination – MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

Note – Three hours given to complete Q P 8402 & 8403

Biological and psychosocial foundations of nursing (RS)

Genetics and embryology and pathophysiology (Section A)

Q.P. CODE: 8402

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

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Describe inflammation. Correlate the signs and symptoms of inflammatory process with its pathophysiological changes.

2. Enumerate chromosomal disorders and discuss in detail the prenatal diagnostic measures to detect congenital anomalies.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Fertilization

4. Dehydration

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

BIOLOGICAL AND PSYCHOSOCIAL FOUNDATION OF NURSING

(Revised Scheme)

Q.P. CODE: 9602 & 9603

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

Section A and Section B should be completed within total duration of three hours.

Q.P. CODE: 9603 - Section B

Psychosocial Foundation of Nursing and Epidemiology [40 marks]

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Discuss the Family dynamics and the impact of illness on the family.
2. Explain the theories of personality development.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Occupational maladjustment
4. Aggressive Behaviour

Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – APRIL/MAY 2015

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

NURSING EDUCATION

(RS-3 & RS4)

Q.P. CODE: 9631

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Discuss about the recent trends in development of Nursing education.
2. List the various instructional strategies used in nursing education. Explain in detail the use of demonstration in Nursing.
3. As a Principal College of Nursing, explain your responsibility related to evaluation and measurement of the students both in theory and in practicals.
4. Define Curriculum. Develop a curriculum plan for IV year B. Sc Nursing programme with adequate explanation for each step.

SHORT NOTES (Answer any <u>TWO</u>) **2 X 10 = 20 Marks**

5. Microteaching
6. Test construction
7. Master Plan
8. Patterns of Nursing Education and Training Programmes in India

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – MAY 2015

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

BIOLOGICAL AND PSYCHOSOCIAl FOUNDATION OF NURSING

(Revised Scheme)

Q.P. CODE: 9602 & 9603

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

Section A and Section B should be completed within total duration of three hours.

Q.P. CODE: 9602 - Section A

Genetics, Embryology & Pathophysiology [40 marks]

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Define Infection and describe the pathophysiological changes occur in infection.
2. Define fertilization and explain the development of embryo.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Chromosomal disorders
4. Hypersensitivity reactions

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

ADVANCE NURSING PRACTICE

(RS 3 & RS 4)

Q.P. CODE: 9632

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Explain about the criteria of a profession.
   b) Discuss – Quality assurance in nursing service.
2. Discuss the aspects of pre and post-operative care.
3. Explain about the principles and techniques of crisis intervention
4. Discuss-Evidence based nursing practice.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Information Education and Communication (IEC)
6. Uses of Epidemiology
7. Prenatal diagnosis and screening
8. Nightingale's theory

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL/MAY 2015

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

ADVANCED CONCEPTS OF HEALTH AND NURSING

PAPER I

(Revised Scheme 2)

Q.P. CODE: 9601

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Identify the essential elements of nursing theory. (5 marks)
   b) Explain in detail about Roy's adaptation theory. (10 marks)
2. Discuss the health care system in India. (15 marks)
3. Explain the following steps of nursing process in detail with suitable examples.
   a) Assessment (5 marks)
   b) Diagnosis (5 marks)
   c) Implementation (5 marks)
4. Explain the ethical issues in Nursing practice with suitable examples. (15 marks)

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Rehabilitation care
6. Dimensions of nursing care
7. Progressive patient care
8. Future of nursing

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - MAY 2015

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

MEDICAL SURGICAL NURSING

(RS 3 and RS 4)

Q.P. CODE: 9635

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Mr. Sunil 45 years, a chronic alcohol is admitted with Cirrhosis of Liver. (8+7)
   a) Illustrate diagrammatically what pathophysiological changes that occur.
   b) Discuss what complications of Cirrhosis of Liver can he develop and its management.
2. Mr. Muniraju 50 years old admitted to the burns unit with 70% of burns, 50 kg weight. (8+7)
   a) Write in detail the fluid replacement therapy and wound management of a patient for first 48 hours.
   b) Enlist the complications and its prevention.
3. Mrs. Revathi, 55 years old patient admitted to the ward with a non-healing foot ulcer, she is a known case of Diabetes Mellitus, on Insulin treatment. (2+5+8)
   a) Define Diabetes Mellitus.
   b) Discuss pathophysiological changes that occur.
   c) Discuss in detail the Acute and Chronic complications of Diabetes Mellitus and its management.
4. Ms. Sumathi, 28 years old is admitted to orthopedic ward with a fracture of femur after sustaining road traffic accident, and has been posted for surgery. (3+7+5)
   a) Describe various surgical modalities of treatment of fracture.
   b) Explain post-operative nursing management of Ms. Sumathi who is on external fixation.
   c) Plan health education.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Diet therapy in nephrotic syndrome
6. Ambulatory care
7. Care of patient with Plaster of Paris
8. Extracorporeal Shock Wave Lithotripsy

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - MAY 2015

[Time: 3 Hours] [Max. Marks: 40]

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 THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define correlation. What are the different types of correlation?
   b) The following is the knowledge and attitude scores of 10 persons recorded by a nursing researcher for the pilot study.

Knowledge score	24	36	29	27	33	30	22	20	21	25
Attitude score	41	56	48	45	76	64	42	50	56	80

   Calculate Spearman's rank correlation and interpret the result. Also, find out the reliability coefficient. (5+1 = 15 marks)

2. a) Explain the need for testing of hypothesis.
   b) The following data was obtained by a researcher to assess the association between level of knowledge and type of family.

Type of family	Level of Knowledge			Total
	Inadequate	Moderately Adequate	Adequate	
Nuclear	36	27	2	65
Joint	17	5	13	35
Total	53	32	15	100

   Test at 5% level of significance. (Critical value = 5.99). (5+10 = 15 marks)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Define different measures of vital statistics. Which of these measures are considered to be sensitive Indicators?
4. Define normal distribution. What are its properties?

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Rajiv Gandhi University of Health Sciences

First Year M.Sc [Radiation Physics] Degree Examination – OCTOBER 2015

[Time: 3 Hours] [Max. Marks: 100]

QUALITY ASSURANCE, CALIBRATION AND STANDARDIZATION IN CLINICAL DOSIMETRY

Q.P. CODE: 9804

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Describe in detail how an output for a 10MeV electron beam can be carried out using the recommended chamber and discuss about various correction factors that need to be applied.
2. Briefly write about the construction and working of a radiation field analyzer and write in detail about the various physical parameters, which can be obtained using it.

SHORT ESSAY **6 X 10 =60 Marks**

3. What are the special considerations which need to be considered when constructing a free air ionization chamber?
4. Why patient specific quality assurance is necessary and how it can be performed?
5. Bring out the salient features of Time Dose Dractionation (TDF) factors and Linear Quadartic (LQ) model.
6. Discuss about the various processes involved in Brachytherapy planning.
7. Write about principle of operation and the use of scintillation detectors.
8. Briefly write about the various quality assurance checks to be carried out with the treatment planning system.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - October 2015

[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 THE FOLLOWING **4 X 15 = 60 Marks**

1. What are the components of self esteem and factors influencing self esteem.
2. a) Classify Antipsychotics.
   b) Explain Extrapyramidal symptoms and its management. (3+12)
3. Behaviour deviations and therapeutic process in interpersonal model
4. What is assertive behaviour and discuss the components of assertive behaviour and techniques to promote assertive behaviour.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Psychological adaptation to stress
6. Components of Mental Status Examination
7. Role of alternative system of medicine in mental health
8. Discuss psychoimmunology.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - October 2015

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

CHILD HEALTH (PAEDIATRIC) NURSING

Q.P. CODE: 9637

(RS 3 & RS4)

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. a. Discuss the stressors experienced by children and their reaction to it based on their developmental stages
   b. Describe play activities for ill hospitalized children(10+5 marks)
2. a. Explain the principles of growth and development with examples
   b. Explain the factors influencing growth and development (7+8 marks)
3. a. Explain the ethical issues in paediatric care
   b. Describe the methods of nutritional assessment (10+5 marks)
4. Describe in detail the nutritional programs for children

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Common behavioral problems of preschool children and their management
6. Cardiovascular and respiratory assessment of high risk newborn
7. Standards of pediatric nursing care
8. Genetic counseling

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - October 2015

[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 THE FOLLOWING **4 X 15 = 60 Marks**

1. a) Explain the planning cycle. (7+8)
   b) Write in detail about the Twelfth five year plan.
2. a) Describe the importance of family health services. (7+8)
   b) Explain two theories related to Family nursing.
3. a) Describe the Impact of population explosion on health. (7+8)
   b) Explain the role of a community health nurse in educating the people about family planning.
4. a) What are the strategies of IMNCI? (7+8)
   b) Describe the elements of IMNCI.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Effects of Industrialization on air, water and soil
6. What are the Alternative systems of medicine in India?
7. Uses of Epidemiological approaches for a community nurse
8. Importance of Management Information System

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination – October 2015

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

MEDICAL SURGICAL NURSING
(RS 3 & RS 4)

Q.P. CODE: 9635

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Write in detail the pre and post operative nursing care for a patient who had undergone Right sided Pneumonectomy.
2. Discuss the physical assessment findings, signs, symptoms and nutritional Management of patient admitted with cirrhosis of liver.
3. Write briefly the investigation, Nursing care and anticipated complications of a patient admitted with head injury
4. Discuss in brief the immediate and long term Nursing care of a patient after below Knee amputation.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Organophosphorous Component(OPC) Poisoning
6. Thyrotoxicosis
7. Cardiac Catheterization
8. Retinal Detachment

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - OCTOBER 2015

[Time: 3 Hours] [Max. Marks: 40]

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 THE FOLLOWING **2 X 15 = 30 Marks**

1. a) Define qualitative and quantitative variables with suitable illustrations. What are the different graphical representations used for these variables?
   b) The following is the data on the distribution of blood group among 100 persons.

Blood group	No of persons
O	43
A	36
B	12
AB	9

   Draw a pie diagram.

2. a) Define α - error and β - error.
   b) What are the underlying assumptions of Students t-test? If these assumptions fail which alternate test, do you suggest?
   c) The pulse rate of 6 patients are measured before and after administering a drug. By stating suitable hypotheses test whether the drug has any effect on pulse rate using Wilcoxon Signed rank-sum test.

Before	72	76	68	67	73	74
After	74	72	66	68	70	71

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Explain the procedure of testing equality of k-group means using one-way analysis of variance (one way ANOVA).
4. What are the different measures of central tendency? Why are they called as measures of central tendency? Explain briefly with an illustration.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCTOBER 2015

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

NURSING RESEARCH

(Revised Scheme 3)

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 THE FOLLOWING **2 X 15 = 30 Marks**

1. a) List the purposes of nursing research.
   b) Explain in detail about the steps of research process. (5+10)
2. a) What is a research report?
   b) List the types of research report.
   c) What are the characteristics of a good research report?
   d) Discuss the steps in preparing a good research report. (2+3+5+5)

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Research hypothesis
4. Sources of review of literature

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – OCTOBER 2015

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

ADVANCE NURSING PRACTICE

(RS 3 and RS 4)

Q.P. CODE: 9632

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Describe in detail about Health Care delivery system in India.

2. a) List-out the characteristics of Nursing theory. (5+10)
   b) Write in detail about King's Goal attainment theory.

3. a) Write about pathophysiology of Pain. (5+5+5)
   b) As a nurse how will you assess the level of pain?
   c) Explain pharmacological and non pharmacological management of pain in detail.

4. Explain legal issues and legal safeguards in nursing practice.

SHORT NOTES (Answer any TWO) **2 X 10 = 20 Marks**

5. Concepts of disease causation

6. Principles and techniques of counseling

7. Explain physiological and psychological problems of old age.

8. Explain in detail about various prenatal diagnosis.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – OCTOBER 2015

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

NURSING EDUCATION

(RS–3 & RS4)

Q.P. CODE: 9631

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

ANSWER THE FOLLOWING **4 X 15 = 60 Marks**

1. Comment on the current issues in nursing education and also explain the trends in nursing education.
2. a) Define Unit Plan.
   b) Discuss briefly about the characteristics, origin and types of unit plan. (2+13)
3. List the various standardized and non-standardized tests. Explain in detail on the standardized test.
4. Explain the factors to be considered when selecting and organizing learning experiences for B. Sc. Nursing students.

SHORT NOTES (Answer any <u>TWO</u>) **2 X 10 = 20 Marks**

5. Curriculum Determinants
6. Clinical Teaching Methods
7. Role of a nurse educator in Question Bank preparation
8. Peer Evaluation

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - October 2015

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

BIOSTATISTICS, RESEARCH METHODOLOGY & NURSING RESEARCH

(Revised Scheme 2)

Q.P. CODE: 9606 & 9607

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

Section A and Section B should be completed within total duration of three hours.

Q.P. CODE: 9607 - Section B

RESEARCH METHODOLOGY & NURSING RESEARCH [40 marks]

ANSWER THE FOLLOWING **2 X 15 = 30 Marks**

1. Explain qualitative research design with suitable examples.
2. Describe the methods of data collection for quantitative studies.

SHORT NOTES (Answer any ONE) **1 X 10 = 10 Marks**

3. Review of literature
4. Writing research report

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