Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

[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. Explain the application of Orem's Self care theory in Nursing through an example.
2. a) What is Oxygen insufficiency? As a nurse how will you assess a patient with acute respiratory failure?
   b) Explain the specific nursing interventions in respiratory failure. (9+6=15)
3. Explain why nursing is described as a profession globally.
4. Explain about power and polities in nursing.

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

5. Levels of prevention.
6. Explain the various prenatal diagnosis.
7. Role of regulatory bodies in nursing.
8. Telemedicine and its uses in clinical practice.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

[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. a. Define range, standard deviation and coefficient of variation with suitable numerical examples. Explain their properties.
   b. What is the purpose of using sampling technique is research? Explain stratified random sampling technique. (7+8)

2. What is coefficient of correlation? Calculate rank correlation for the following data.

Height of fathers	Height of Sons
70	60
68	70
65	67
72	74
75	75

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

3. Random number table and their uses.
4. Explain latin square design with examples.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

[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. a) Discuss the characteristics of experimental method. (5+10)
   b) Explain in detail regarding the types of experimental method in the context of nursing research.
2. Explain in detail the importance and steps of research process.

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

3. Explain the Importance of review of related literatures.
4. Discuss Interview method.

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First Year M.Sc. (Nursing) Degree Examination – APRIL-2019

[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. a) Give classification of Instructional aids. (5+10)
   b) Discuss the role of a teacher in selection, preparation and utilization of instructional aids.
2. Explain the teaching learning process.
3. Discuss various models of collaboration in nursing education and services.
4. Explain the various tools for assessment of knowledge, skill and attitude.

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

5. Symposium
6. Continuing education
7. Master plan
8. Principles and techniques of counselling

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – APRIL-2019

[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 the health care delivery system in India.
2. Explain Disaster nursing.
3. Enumerate the Fluid and Electrolyte imbalance with management.
4. Explain stress and coping strategies of stress.

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

5. Peplau's Interpersonal theory
6. Evidence based nursing
7. Uses of Computers in nursing
8. Genetic counselling

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First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

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

NURSING RESEARCH

(RS-3 & RS-4)

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. What do you understand by qualitative and quantitative approach in research? Discuss the method of analysis in qualitative studies with examples. (15)
2. a. What are the problems faced by the researcher in performing nursing research.
   b. Explain briefly the ethics in nursing research. (8+7=15)

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

3. Role of pilot study in conducting research.
4. Bio-physiological parameters in data collection.

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - APRIL-2019

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

Statistics

(RS-3 & RS-4)

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. Assumptions for the applicability of Chi-square test. (5+10=15)

   b. In a study on a particular drug against the urinary stones, there was some association noted between the type of urinary stone identified and cure rate. Test statistically using Chi-square test to see whether the association observed is significant. (df 2= 5.99 at 5% level)

Type of Urinary stone	No. cured	No. not cured
Oxylate	10	10
Phosphate	10	20
Other types	20	30

2. a. Explain the measures of variability in detail with examples.
   b. Describe normal probability curve. (10+5=15)

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

3. Descriptive and inferential statistics.

4. Test-retest method of reliability.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

[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. a) Explain the clinical manifestations and pathophysiology of Myocardial Infarction (MI).
   b) Explain the medical and nursing management of a patient with MI. (3+4+8)
2. a) Explain the risk factors, and pathophysiology of peptic ulcer.
   b) Explain the nursing management of a patient with peptic ulcer based on nursing process. (3+4+8)
3. a) Explain the types and clinical manifestations of Breast cancer.
   b) Explain the nursing management of breast cancer including post surgical exercises. (3+4+8)
4. a) Explain the pathophysiology of burns.
   b) Explain in detail the management of a patient with burns in the first 48 hours. (7+8)

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

5. Explain the management of disseminated intravascular coagulation.
6. List the types and explain the surgical management of a patient with retinal detachment.
7. Explain the management of Increased Intracranial Pressure.
8. Explain the complications of diabetes mellitus.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

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

COMMUNITY HEALTH NURSING - I

(RS 3 & RS 4)

Q.P. CODE: 9636

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 epidemiology
   b) Explain in detail about epidemiological methods.
2. Discuss about the National Rural Health Mission.
3. Explain information, education and communication in Community Health Nursing practice.
4. Discuss the various nutritional problems and programmes existing in India

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

5. Transition and theories of population.
6. Changing Ecosystem and its impact on Health and illness.
7. Skilled Birth Attendant module
8. Challenges of health care delivery system

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - APRIL-2019

[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) Explain the organization of Neonatal Intensive Care Unit (NICU).
   b) Role of paediatric nurse in caring of baby born to HIV +ve mother (8+7)
2. a) Explain in detail the aims and scope of preventive paediatrics.
   b) Discuss the national and international organizations related to child health. (7+8)
3. a) Explain the prenatal factors influencing growth and development of fetus.
   b) Role of paediatric nurse in genetic screening and counseling (8+7)
4. Explain the growth and development of toddler.

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

5. Restraints in children
6. Quality assurance in paediatric nursing care
7. Child guidance clinic
8. Prevention of accidents in children

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Rajiv Gandhi University of Health Sciences

First year M. Sc. (Nursing) Degree Examination – APRIL-2019

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. Elaborate on the system-wise minor disorders in pregnancy.
   b. Explain the nurses role in its management. (7+8)
2. Describe the anatomy and physiology of female reproductive system. (15)
3. a. Define menopause.
   b. Describe the role of independent nurse midwifery practitioner in counseling menopausal women. (2+13)
4. List the maternal hormones produced during pregnancy and labour and their effects on pregnancy outcome. (15)

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

5. Describe Ethical and legal aspects of Assisted Reproductive Technology.
6. Explain the general physiological puerperal changes.
7. Write a brief note on Organisation of NICU.
8. Describe the use of Anaesthesia and analgesia in labour.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - SEP-2019

[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. Explain how nursing theories are developed. (5+10=15)
   b. Discuss system theory in detail.
2. Discuss on the appropriateness of present health care delivery system in India and how it is different from abroad.
3. As a nurse manager explain your role in the disaster preparedness in a hospital.
4. Explain about primary health care in India.

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

5. Ethical issues in nursing practice.
6. Research in nursing.
7. Expanded role of a nurse.
8. Approaches to nursing assessment.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – SEP-2019

[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. Define evaluation. Mention the types of evaluation and explain each in detail.
2. Define teaching. Discuss about the various theories of teaching and learning.
3. Explain planning, implementation and evaluation of continuing nursing education programme.
4. Illustrate the different models of collaboration between education and service.

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

5. Explain the tools and techniques of counseling.
6. Describe the contemporary philosophy of education –Progressivism.
7. Discuss the role of professional association in maintaining standards of nursing education.
8. Describe the determinants of curriculum.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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. Calculate central tendencies of 470 infants born in a hospital, in one year from the following table

Weight of infants in kg	No. of Infants
2.0-2.4	17
2.5-2.9	97
3.0-3.4	187
3.5-3.9	135
4.0-4.4	28
4.5-4.9	06

2. Enumerate the steps in hypothesis testing with an example.

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

3. Sampling errors

4. Normal distribution

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First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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. a) List down the types of Sampling techniques. (5+10)
   b) Explain in detail on Random Sampling Technique.
2. a) Mention various methods of data collection. (5+10)
   b) Explain in detail on observation as a method of data collection.

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

3. Ethics in Nursing Research

4. Steps in organization of research report

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination – OCT-2019

[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. Explain legal issues and legal safeguard in nursing practice.
2. List the causes of unconsciousness and formulate a nursing care plan for an unconscious patient.
3. Discuss the gender sensitive issues and women empowerment in India.
4. a. List-out the characteristics of nursing theory.
   b. Explain Orem's self care theory. (5+10)

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

5. Quality assurance in nursing.
6. Uses of computer in nursing profession.
7. Principles and techniques of counseling.
8. Enumerate the common genetic disorders.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

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

NURSING RESEARCH

(RS-3 & RS-4)

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. What are the steps involved in writing a research report. (7+8)
   b. Describe format of a thesis.

2. a. Write the purposes and sources of data collection. (7+8)
   b. Differentiate between questionnaire and interview as data collection techniques.

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

3. Problems of sampling.
4. Assumption.

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Rajiv Gandhi University of Health Sciences

First Year M. Sc. (Nursing) Degree Examination - OCT-2019

[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. Explain various sources and methods of collection and recording of vital and health statistics.

2. a) Mention the advantages and disadvantages of non-parametric tests. (5+10 = 15 Marks)
   b) In a study conducted at regional cancer center, to find out the association between the marital status and incidence of breast cancer, the following results were obtained. Test statistically to see whether the association between the marital status and incidence of breast cancer is significant (table value is 3.84)

Marital status	Breast cancer		Total
	Present	Absent	
Married	20	20	40
Unmarried	40	20	60
Total	60	40	100

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

3. Enumerate the properties of a normal probability curve.

4. Explain scatter diagram method.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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. a) Explain the pathophysiology and clinical manifestations of left sided and right sided heart failure.
   b) Explain the management of a patient with congestive heart failure including nursing management. (7+8)
2. a) Explain the risk factors, clinical manifestations and pathophysiology of cirrhosis of liver.
   b) Explain the medical and nursing management of a patient with cirrhosis of liver. (2+2+3+8)
3. a) Explain the types, clinical manifestations and pathophysiology of pneumonia.
   b) Explain the management of a patient with pneumonia based on nursing process. (3+2+2+8)
4. a) Explain the types and clinical manifestations of cataract.
   b) Explain in the detail the surgical and nursing management of a patient with cataract. (4+3+8)

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

5. Explain the age related changes in elderly.
6. Explain the effects of hospitalization on the patient and family.
7. Explain the management of a patient with psoriasis.
8. Explain the management of a patient with fracture.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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. Discuss in detail about the ethical, legal and socio-cultural issues in Community Health Nursing. (8 marks)
   b. Describe the trends and challenges in Community Health Nursing. (7 marks)

2. a. List out the Community Nutrition programs. (5 marks)
   b. Explain the nutritional problems in India and the role of Public Health Nurse in Prevention of Nutritional problems. (10 marks)

3. a. Explain in Health care delivery system as State level. (8 marks)
   b. Discuss the staffing pattern and functions of Community Health Centre. (7 marks)

4. a. Explain the theories of population and effects of overpopulation. (10 marks)
   b. Discuss the impact of Demography on Health Policy. (5 marks)

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

5. Skilled Birth Attendant module.
6. Epidemiological methods.
7. Management information and evaluation system.
8. Waste disposal.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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) Define and classify high risk newborn.
   b) Role of paediatric nurse in identification and management of high risk newborn (7+8)
2. Explain the growth and development of school age child.
3. a) Explain in detail the stressors and reactions of child due to hospitalization.
   b) Role of paediatric nurse in care of hospitalized child and family (8+7)
4. Explain in detail integrated management of neonatal and childhood illnesses.

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

5. National health policy for children
6. Failure to thrive
7. Management of child with foreign body aspiration
8. Explain anatomical and physiological differences between adult and child.

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Rajiv Gandhi University of Health Sciences

First year M. Sc. (Nursing) Degree Examination – OCT-2019

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. Explain in detail about nursing management of pregnant woman with minor disorders of pregnancy.
2. a. Critically analyze the use of partograph in labour.
   b. Explain the physiology and management third stage of labour. (5+10)
3. Describe the National Health and Family Welfare Programmes related to Maternal and Child Health.
4. Describe the functions and responsibilities of village health nurse at sub centre in terms of MCH care and family planning.

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

5. Describe the role of Cardiotocography in labour.
6. Explain the process of Genetic counselling.
7. Write a brief note on Hormonal Replacement therapy.
8. Describe Essential newborn care.

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Rajiv Gandhi University of Health Sciences

First Year M.Sc. (Nursing) Degree Examination - OCT-2019

[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. a. Define Behavior Therapy.
   b. List the techniques of Behavior Therapy.
   c. Explain any two behavior techniques you will adopt in de addiction. (2+3+10)

2. a. Define Stress.
   b. Discuss the theories of Stress.
   c. Explain five techniques you will adopt to relieve stress among Psychiatric patients. (2+3+10)

3. a. Classify Antipsychotics.
   b. Explain the side effects of antipsychotics and nurses' responsibility. (7+8)

4. a. Differentiate between Assertive behavior and Aggressive behavior.
   b. Explain the techniques that promote assertive behavior. (5+10)

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

5. Explain Genetic Counseling.
6. Explain the Classification of mental illness.
7. Enumerate the Indications and Contra Indications of ECT.
8. Describe the components of mental status examination.

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