Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 02-Sep-2020

Time: Two Hours | Max. Marks: 35 Marks

NURSING FOUNDATION
(RS3 & RS4)
Q.P. CODE: 1731

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

LONG ESSAYS (Answer any One) — 1 x 10 = 10 Marks

1. a) Define profession
   b) Explain the trends influencing nursing practice
2. a) Define nursing process
   b) Explain various steps of nursing process in detail

SHORT ESSAYS (Answer any Three) — 3 x 5 = 15 Marks

3. Describe nursing standards.
4. Explain the elements of primary health care.
5. Enumerate the needs & problems of an adolescent.
6. Explain in brief the disposal of bio-medical waste.

SHORT ANSWERS — 5 x 2 = 10 Marks

7. State the Concept of health and illness
8. Define primary nursing
9. List the types of nursing theory
10. Define nursing audit
11. List the tools for evaluation

Rajiv Gandhi University of Health Sciences, Karnataka

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I Year B.Sc. Nursing (PC) Degree Examination – 09-Sep-2020

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY
(RS3 & RS4)
Q.P. CODE: 1734

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define personality. Describe the various techniques to assess personality.
2. What is meant by individual differences? Explain the role of heredity and environment in individual differences.
3. Define Motivation. Explain primary and secondary motives.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Psychology of Adolescents.
5. Define Intelligence. Discuss the theories of intelligence.
6. Define forgetting. Describe the cause of forgetting.
7. Define conflicts. Explain the types of conflicts.
8. Define Attitudes. Factors influencing formation of attitudes.
9. Define Learning. Thorndike's Laws of Trial and Error learning.
10. Define Attention. Explain the determinants of Attention.
11. Define Emotions. Changes that are observed during Emotions.
12. Characteristics of a Mentally Healthy Person.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Abnormalities in perception.
14. Ebbinghaus curve of Forgetting.
15. Self Esteem.
16. Components of Attitudes.
17. Memory Traces.
18. Aggression.
19. Figure and ground.
20. Para psychology.
21. Introspection.
22. Regression.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 11-Sep-2020

Time: Three Hours | Max. Marks: 75 Marks

MICROBIOLOGY
(RS3 & RS4)
Q.P. CODE: 1735

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define and classify immunity. Describe in detail active immunity.
2. Describe the morphology and cultural characteristics of Corynebacterium diphtheria. Write in detail laboratory diagnosis of diphtheria.
3. Write the pathogenesis, laboratory diagnosis and immunoprophylaxis of rabies.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Laboratory diagnosis of enteric fever
5. Methicillin Resistant Staphylococcus Aureus (MRSA)
6. Tyndallization
7. Bacterial flagella
8. Immunoflurescence
9. Complement fixation test
10. Candia albicans
11. Bacterial toxins
12. Larva migrans

SHORT ANSWERS 10 x 2 = 20 Marks

13. Four agents causing sexually transmitted diseases
14. Koch's postulates
15. Ziehl Neelsen Stain
16. Draw a neatly labelled diagram of bacterial cell
17. Name two killed vaccines
18. Sterilization controls for autoclave
19. KOH mount
20. Inclusion body with an example
21. Name two parasitic infections in which Man acts as intermediate host
22. Prophylaxis for Hepatitis B

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 18-Sep-2020

Time: Three Hours Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING (RS3 & RS4)

Q.P. CODE: 1738

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Discuss the causes, pathophysiology, and the clinical features of Intestinal Obstruction. Explain the surgical and nursing management of Acute Intestinal Obstruction.
2. Discuss the types, clinical manifestations and the complications of Cirrhosis of Liver. Draw a nursing care plan for a patient with Cirrhosis of Liver with special emphasis to Nutritional therapy.
3. Discuss the types, etiology and the pharmacological and non-pharmacological intervention of Hypertension. Explain the complications of Hypertension.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Adrenal crisis
5. Cardiac catheterization
6. Diabetes Insipidus
7. Chest injuries
8. Digitalis
9. Peritonitis
10. Cardiomyopathy
11. Amputation
12. Urinary tract infection

SHORT ANSWERS 10 x 2 = 20 Marks

13. Chemotherapy
14. Disinfection
15. Types of burns
16. Osteoporosis
17. Warning signs of cancer
18. Pulse oximetry
19. Cardiac tamponade
20. Hepatitis
21. Atherosclerosis
22. Pneumothorax

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 07-Sep-2020

Time: 3 Hours | Max. Marks: 38 Marks

BIOCHEMISTRY (RS3 & RS4)

Q.P. Code: 1739

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Name the Ketone bodies. How ketone bodies are formed and utilized?
2. Explain Glycolysis with energetics.

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Disaccharides
4. Formation of uric acid
5. Digestion and absorption of carbohydrates
6. Urea cycle
7. Classify lipoproteins. Explain their biological significance

SHORT ANSWERS 4 x 2 = 8 Marks

8. Any two factors effecting enzyme activities
9. Lactose
10. Normal serum levels of
    a) Serum cholesterol
    b) Serum sodium
11. Define Gluconeogenesis.

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I year B.Sc. Nursing (PC) Degree Examination – 07-Sep-2020

Time: 3 Hours | Max. Marks: 37 Marks

BIOPHYSICS

(RS3 & RS4)

Q.P. Code: 1740

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 9 = 9 Marks

1. Explain types and transformation of energy, forces of the body, static forces.
2. List different pressures of human body? Give their significance. How do you measure them (give two examples)?

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Explain different types of heat transfer.
4. Explain the uses of radioisotopes in medicine.
5. Write a note on defects of vision and their correction.
6. Noise pollution and its prevention.
7. What is a pacemaker? Write a note on Artificial pacemakers.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Convert 25^{o}C to Fahrenheit.
9. Define friction.
10. Explain vector with an example.
11. What is normal blood pressure?

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 23-Nov-2020

Time: Two Hours | Max. Marks: 35 Marks

NURSING FOUNDATION
(RS3 & RS4)
Q.P. CODE: 1731

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

LONG ESSAYS (Answer any One) — 1 x 10 = 10 Marks

1. Explain the development of nursing as a profession.
2. Explain any one theory of nursing practice.

SHORT ESSAYS (Answer any Three) — 3 x 5 = 15 Marks

3. Nursing assessment
4. Tools and techniques of evaluation
5. ICN code of ethics in Nursing
6. Progressive patient care

SHORT ANSWERS — 5 x 2 = 10 Marks

7. Team nursing
8. Solid waste
9. Nursing audit
10. List the qualities of a nurse.
11. Career planning

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I Year B.Sc. Nursing (PC) Degree Examination – 25-Nov-2020

Time: Two Hours | Max. Marks: 35 Marks

NUTRITION AND DIETETICS
(RS3 & RS4)
Q.P. CODE: 1732

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

LONG ESSAYS (Answer any One) — 1 x 10 = 10 Marks

1. Mention the water-soluble vitamins and write about anyone them.
2. Explain briefly on current nutritional programmes in India.

SHORT ESSAYS (Answer any Three) — 3 x 5 = 15 Marks

3. Food adulteration and its prevention
4. Vitamin K – Sources, Uses, requirements.
5. Method of food preservation
6. Explain the therapeutic diet for Gastro Intestinal disease.

SHORT ANSWERS — 5 x 2 = 10 Marks

7. Nutritional anaemia
8. Dehydration
9. Grilling
10. Endemic goiter
11. BMR (Basal Metobolic Rate)

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 30-Nov-2020

Time: Three Hours | Max. Marks: 75 Marks

PSYCHOLOGY (RS3 & RS4)

Q.P. CODE: 1734

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define perception. Write the characteristics of perception. Explain extra sensory perception.
2. Define intelligence. Explain theories of intelligence.
3. Define learning. Explain insightful theory of learning.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain relevance of psychology in nursing.
5. Explain case study method of psychology with its merits and demerits.
6. Briefly explain Maslow's theory of motivation.
7. Briefly explain physiological and psychological changes during emotions.
8. Describe the factors affecting development of personality.
9. Define attention. Explain types of attention.
10. Explain the various factors affecting learning.
11. Explain the theories of forgetting.
12. Describe any five defence mechanisms.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Classify attention.
14. What do you mean by Introverts?
15. List down the psychological need of women.
16. What are projective tests?
17. Define amnesia.
18. List down the secondary motives.
19. Define frustration. Give one example.
20. List down the areas of guidance.
21. Mnemonics
22. Define projection. Give example.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 01-Dec-2020

Time: Three Hours | Max. Marks: 75 Marks

MICROBIOLOGY – (RS-3 & RS-4)
Q.P. CODE: 1735

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define Sterilization. Write the principles of Sterilization. Explain detail about Dry heat method.
2. Draw a neat labelled diagram of Bacterial Cell and write about Bacterial flagella.
3. Describe the Morphology, Cultural characters, Pathogenecity and Laboratory diagnosis of Staphylococcal Aureus.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain special staining method (Albert staining and Impregnation method) with examples.
5. Explain harmful effects of microorganisms.
6. Define Bio-medical waste and describe the different methods of bio-medical waste treatment.
7. Define disinfection and explain disinfection by using halogens.
8. Active Immunity.
9. Laboratory diagnosis of UTI.
10. Kala Azar.
11. Write a note about Hepatitis B
12. Dermatophytes.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define negative staining.
14. Define sensitivity test.
15. Define precipitation reaction.
16. Define carrier.
17. Give two example of Aerobic bacterias.
18. Mention the use of TAB vaccine.
19. Name two DNA viruses.
20. Compound Microscope.
21. Name two acid fast bacteria.
22. Name two Agglutination tests.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 04-Dec-2020

Time: Three Hours | Max. Marks: 75 Marks

MATERNAL NURSING
(RS3 & RS4)
Q.P. CODE: 1736

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Explain internal reproductive organs with a neat, labeled diagram.
2. Mrs. Uma is 25 years old, primi gravida with 27 weeks of gestation. Explain the signs and symptoms of pregnancy experienced by Mrs. Uma upto 27 weeks of gestation.
3. Define IUGR. List the causes and explain the management of IUGR.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Explain the role of nurse in Cerviprime (PGE_2) induction of labour.
5. Describe the management of anaemia during pregnancy.
6. Identify the two-nursing diagnosis based on the priority and write the interventions for a woman with post caesarean section on day two.
7. Explain the methods of placental expulsion.
8. Explain the causes of jaundice in newborn.
9. Discuss the temporary methods of family planning.
10. Explain the role of nurse in identifying and managing the puerperal sepsis.
11. Identify the problems associated with unwanted pregnancy.
12. Explain inversion of uterus.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define preterm baby.
14. What is vesicular mole?
15. How do you elicit Homan's sign?
16. Enumerate the types of episiotomy.
17. List the movements in mechanism of labour.
18. Define infertility.
19. What is lightening?
20. List the indications for forceps delivery.
21. What are the basic principles to conduct safe delivery?
22. Write the components of Apgar score.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 07-Dec-2020

Time: Three Hours | Max. Marks: 75 Marks

CHILD HEALTH NURSING
(RS3 & RS4)
Q.P. CODE: 1737

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Describe the etiology, clinical features, surgical and nursing management of a Child with Hydrocephalus.
2. Define congenital megacolon, List the clinical features and explain the pre and post operative nursing management of child undergoing surgery for congenital megacolon.
3. Classify Protein Energy Malnutrition (PEM) and explain the nursing care of a Two years old child with severe malnutrition.

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. Illustrate the nursing care of Tetrology of Fallot.
5. Explain the concept of Baby friendly hospital initiative.
6. Write the management of Acute Glomerulonephritis.
7. Enumerate the changing trends in Pediatric nursing.
8. Explain the nursing management of Diabetes insipidus.
9. Mention the types and management of Child abuse.
10. Illustrate the nursing care of child with iron deficiency anemia.
11. Explain management of low birth weight (LBW) babies.
12. Write about Breast feeding.

SHORT ANSWERS 10 x 2 = 20 Marks

13. State the meaning of oral stage.
14. Mention the types of Atrio Septal defects.
15. Enlist the complications of Phototherapy.
16. Mention the cardinal signs of nephrotic syndrome.
17. State the meaning of Cretinism.
18. Expand BCG and write its purpose.
19. Define Asphyxia neonatorum.
20. Mention the objectives of R.C.H Programme.
21. Write the meaning of Phimosis.
22. Define Xerophthalmia.

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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – 09-Dec-2020

Time: Three Hours | Max. Marks: 75 Marks

MEDICAL SURGICAL NURSING
(RS3 & RS4)
Q.P. CODE: 1738

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. a) Define and classify Anemia. List the causative factors and Clinical Manifestations in a client with iron deficiency Anemia.
   b) Explain the medical and Nursing management of patient with iron Deficiency Anemia
2. a) Differentiate between Gastric ulcer and Duodenal Ulcer
   b) Explain the various surgical approaches available for client with gastric ulcer
   c) Explain the Post operative management of a client after Gastric Surgery
3. a) List the etiological factors and clinical features of Acute Renal Failure
   b) Explain the management of a patient with Acute Renal Failure on hemodialysis

SHORT ESSAYS (Answer any Seven) 7 x 5 = 35 Marks

4. List the long term complications of Diabetes Mellitus. How will you prevent the development of Diabetic foot.
5. What is Heart Block? Explain the management of different types of heart blocks.
6. How will you manage a patient who has remained unconscious for three months?
7. Explain the management of client with Status Asthmatics.
8. Explain the medical and nursing management of patient with Pulmonary Tuberculosis.
9. What is Cretinism? List the clinical features of a cretinism.
10. List the causes of Osteoporosis. Explain the medical and nursing management of a patient with Osteoporosis.
11. Explain the etiology and Pathophysiology of Dysmenorrhea. List the non pharmacological measures to relive the symptoms of Dysmenorrhea.
12. Differentiate between Benign and Malignant tumors.

SHORT ANSWERS 10 x 2 = 20 Marks

13. Define the term Recto vaginal Fistula and Vesico vaginal Fistula.
14. List four infections of Lower genital tract among females.
15. List the common sideeffects of Chemotherapy.
16. What is Portal Hypertension?
17. What is Cardiac Tamponade and how it is relieved?
18. How do you prevent transmission of Hepatitis B.?
19. What is Hyperkalemia? List the ECG changes in Hyperkalemia.
20. Define Shock and list the stages of Shock.
21. What is Aphasia? List the types of Aphasia.
22. Define meningitis and encephalitis

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Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – 27-Nov-2020

Time: 3 Hours | Max. Marks: 38 Marks

BIOCHEMISTRY (RS3 & RS4)

Q.P. Code : 1739

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 10 = 10 Marks

1. Explain Biosynthesis of protein in eukaryotes.
2. Describe β – oxidation of palmitic acid. Add a note on its energetics.

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Write any five diagnostic applications of enzymes.
4. Urea Cycle
5. GTT
6. Regulation of blood glucose
7. Glycogen synthesis

SHORT ANSWERS 4 x 2 = 8 Marks

8. Biomedical waste management
9. Give the Normal value of Sodium and Total Cholesterol.
10. Classify carbohydrates
11. Mitochondria

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I year B.Sc. Nursing (PC) Degree Examination – 27-Nov-2020

Time: 3 Hours | Max. Marks: 37 Marks

BIOPHYSICS – (RS-3 & RS-4)

Q.P. Code: 1740

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
(Note: Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One) 1 x 9 = 9 Marks

1. What are X-rays? How are they produced? List the properties and uses of X-rays in medicine.
2. What is the normal audio frequency range of normal human ear? Explain the relation between frequency, velocity and wavelength. Write a note on audiometry?

SHORT ESSAYS (Answer any Four) 4 x 5 = 20 Marks

3. Use of pacemakers and defibrillation.
4. Explain hydrostatic pressure and osmotic pressure.
5. Use of heat for sterilization.
6. Use of light in therapy.
7. Effect of principles of gravity in nursing.

SHORT ANSWERS 4 x 2 = 8 Marks

8. Explain why steam burn is more injurious than burn due to boiling water?
9. What are isotopes and isobars?
10. Define electrical resistance and write its units.
11. Write a neat diagram of ECG and label.

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