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1731_2008_1_S21

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

Time: Two Hours **Max. Marks: 35 Marks**

NURSING FOUNDATION
(Revised Scheme 3)

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. Define Profession. Explain the development of Nursing as a profession
2. Explain the theory of Nursing practice

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

3. Effects of illness on the person
4. Stress
5. Progressive patient care
6. Nursing standards

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Define Nursing
8. T.N.A.I (Trained Nurses Association of India)
9. Adaptation
10. Care plan
11. Biomedical wastes

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1732_2008_1_S41

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

Time: Two Hours **Max. Marks: 35 Marks**

NUTRITION AND DIETETICS
(Revised Scheme 3)

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. Discuss in detail the dietary management of a patient with atherosclerosis
2. What are water soluble vitamins? Explain vitamin C in detail

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

3. Functions of Iron
4. Balanced diet
5. Sources of vitamin A
6. Pre operative diet

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Define Nutrition
8. Kwashiorkor
9. Anaemia
10. Dietary Assessment
11. Obesity

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1734_2008_1_S42

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

PSYCHOLOGY
(Revised Scheme 3)
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. Describe the scope and aims of educational psychology. Point out its significance in the nursing profession
2. Behaviour has biological and physiological base. Discuss
3. Define emotions and discuss measurement of emotions

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

4. Explain Gestalt school of psychology
5. Describe merits and demerits of introspection
6. Explain factors influencing attention
7. Explain the importance of personality in nursing
8. Role of incentives and rewards in teaching
9. What are the types of learning
10. Explain educative implications of transfer of learning
11. What measures you adopt for braking bad habits
12. Differentiate long-term and short-term memory

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

13. Behaviorism
14. Principles of adaptability
15. Achievement motive
16. Coping mechanism
17. Sources of frustration
18. Problem solving skills
19. Social learning theory
20. Types of conflicts
21. Personality
22. Types of evaluations

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1735_2008_1_S48

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

MICROBIOLOGY
(Revised Scheme 3)
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. Classify culture media. Describe in detail enriched media
2. Classify streptococci. Discuss in detail the morphology, pathogenesis, laboratory diagnosis of streptococcus pneumoniae
3. Define and classify hypersensitivity. Discuss in detail anaphylaxis

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

4. Ziehl neelsens stain
5. Transport media
6. Widal test
7. CSSD
8. Passive immunity
9. DPT
10. Laboratory diagnosis of syphilis
11. Coagulase test
12. Dermatophytosis

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

13. Draw a neat diagram of HIV
14. Name four zoonotic infections
15. Name four bacteria causing UTI
16. Prophylaxis of rabies
17. Name four opportunistic fungi
18. Pasteurization
19. Name four bacteria causing food poisoning
20. Name two blood parasites
21. Weil's felix test
22. Name four gram negative bacteria

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1736_2008_1_S47

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

MATERNAL NURSING
(Revised Scheme 3)

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. a) Define obstetric and gynaecological nursing
   b) How will you teach, guide and supervise midwifery personnel in terms of Planned Parenthood?
2. a) Define newborn baby
   b) Explain the assessment and management of newborn soon after birth
3. a) Define normal labour
   b) Explain mechanism of normal labour and the nursing management during the second stage of labour

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

4. Pelvis
5. Inner cell mass
6. Physiology of lactation
7. Methods of obstetrical examination
8. Involution
9. Post natal care
10. Amniotic fluid embolism
11. Shoulder dystocia
12. Manual removal of placenta

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

13. Kiellands forceps
14. Still birth
15. Uterine contraction
16. Asphyxia neonatorum
17. Atonic uterus
18. Lovset's manoeuver
19. Constriction ring
20. Favourable cervix
21. Abruptio placenta
22. Embryo

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1737_2008_1_S43

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

CHILD HEALTH NURSING
(Revised Scheme 3)

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. Discuss the nursing care of a pre-schooler with 40%, third degree burns involving chest, Legs and hands
2. a) Define PEM
   b) Explain the classification in detail
   c) Illustrate the nursing management of the child with Protein Energy Malnutrition
3. a) Differences between adult and child health nursing
   b) Pre and post-operative care of infants

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

4. Under five clinic
5. Milestones of an infant
6. Principles of growth and development
7. Child abuse: risk factors and prevention
8. Celiac disease
9. Explain trust vs mistrust
10. Cyanotic spell
11. Cardiao pulmonary resuscitation
12. Mental retardation

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

13. Surgical interventions for hydrocephalous
14. Eneuresis
15. Sickle cell anemia
16. Child to child concept
17. Complications of phototherapy
18. Pulse polio pragramme
19. Phallic stage
20. Prevention of scabies
21. Measles : incubation period and prevention
22. Lanugo

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1738_2008_1_S41

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

MEDICAL SURGICAL NURSING
(Revised Scheme 3)
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. Mr. Shyamanna, A 27 year old male has been admitted to the casualty with an alleged history of road traffic accident. His CT skull shows temporal contusion
   a) Classify head injuries b) Discuss the intial assessment that you would perform on Mr. Shyamanna c) Explain the nursing management of Mr. Shyamanna
2. Mrs. Ramya, 28 year old housewife has suffered 50% thermal burns, while cooking on a heater a) Discuss the pathophysiological changes in the body after burns
   b) Describe the nursing management of Mrs. Ramya during first 48 hours after the injury
3. Mrs. Seetha, a 42 year old house wife is admitted to the surgical ward with diagnosis of renal calculus a) What are the types of renal calculi? b) Enlist the clinical manigestations of renal calculus c) Discuss the post-operative nursing management of Mrs. Seetha, undergoing percutaneous nephrolithotomy

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

4. Functions of a nurse in the outpatient department
5. Cardiac tamponade
6. Postural drainage
7. Breast self examination
8. Intercostal drainage
9. Urinary diversion
10. Nursing management of diabetes insipidus
11. Process of fracture healing
12. Nursing management in case of infertility

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

13. Intravenous pyelogram
14. Nausea and vomiting
15. Acromegaly
16. Hypokalemia
17. Contractures
18. MRI scan
19. Phlebotomy
20. Defibrillation
21. Complications of blood transfusion
22. DOTS therapy

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1739_2008_1_S12

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – March / April 2008

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

BIOCHEMISTRY & BIOPHYSICS (RS - 3)

Q.P. CODE: 1739& 1740

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

Q.P. Code: 1739 – Section A – BIOCHEMISTRY (38 Marks)

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

1. Write an essay on regulation of blood glucose in the body. Give the normal fasting blood glucose level
2. List the nitrogenous constituents in urine, their origin and normal value in blood. Write the steps of urea cycle

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

3. Role of liver in fat metabolism
4. What is Gout? Explain the causes of Gout
5. Explain the diagnostic importance of isoenzymes in myocardial infarction
6. Write a note on post-translational modification of proteins
7. Describe Renin-Angiotensin mechanism

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

8. Give the normal values of the following in plasma
   a) Uric acid b) Total protein c) Hemoglobin and d) Calcium
9. Define gluconeogenesis
10. What is oxidative phosphorilation?
11. Name two glycogen storage diseases and the enzyme deficient in it

Q.P. Code: 1740 – Section B – BIOPHYSICS (37 Marks)

Use separate answer book

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

1. Explain the term current, voltage and resistance. Mention their units and write a note on ohm's law
2. State and explain Pascal's law. How this law finds its application in the measurement of blood pressure? Explain the construction and working of a sphygmomanometer

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

3. Explain the method of determining the density of urine using urinometer
4. Write a note on ECG and EMG
5. Distinguish between kinetic energy and potential energy with examples
6. State and explain Newton's laws of motion
7. What are applications of gravity nursing?

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

8. What is the normal blood pressure
9. Give an example of simple machine
10. Convert 40 degree Celsius to corresponding temperature in kelvin
11. Why white cloths are preferred for summer?

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1731_2008_2_S103

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

Time: Two Hours **Max. Marks: 35 Marks**

NURSING FOUNDATION
(Revised Scheme 3)

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. Trends influencing and Nursing Practice – Discuss
2. Explain theory of nursing practice

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

3. Role of nurse in quality assurance
4. Holistic nursing
5. Health promotion model
6. Determinants of health

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Growth and Development
8. Nurse Practitioner
9. Code of ethics
10. Planning
11. Health beliefs and health behavior

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1732_2008_2_S21

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

Time: Two Hours **Max. Marks: 35 Marks**

NUTRITION AND DIETETICS
(Revised Scheme 3)

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. a) What is Balanced Diet?
   b) Discuss steps would you consider while planning a diet for an 10 years aged person
2. a) What are Vitamins?
   a) How it is classified? Write the sources, functions, and deficiency diseases of vitamin "A" and Vitamin "D"

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

3. Prepare a Menu plan for an infant
4. Diet in Hypertension
5. Guidelines available for menu planning
6. Effects of Folic-Acid deficiency

SHORT ANSWERS **5 x 2 = 10 Marks**

7. Calorie
8. Kwashiorkar
9. Sources of Fat
10. Mention four substitutes for Non-Vegetarian food
11. Total Parenteral Nutrition

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1734_2008_2_S44

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

PSYCHOLOGY
(Revised Scheme 3)
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. Discuss the role of heredity and environment in the development of human behavior
2. Define personality? Discuss developmental theory of personality
3. What are the important characteristics of a good teacher? How to develop them

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

4. Discuss briefly about schools of psychology
5. Discuss Maslow's self-actualization theory
6. Describe physiological basis of behavior
7. Describe the organization of perception
8. What are the types of transfer of learning
9. What is problem solving? What role mental set plays in problem solving?
10. Define attitude? Name some characteristics of attitude
11. What do you understand by good habits? How will you develop?
12. Discuss steps of evaluation

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

13. What is conflict?
14. Introspection
15. Social learning
16. Emotion and motives
17. Sensation and perception
18. Perceptual disorders
19. Questionnaire method
20. Ebbinguse's curve of forgetting
21. Inductive and deductive reasoning
22. Mnemonics

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

MICROBIOLOGY
(Revised Scheme 3)
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. What is hospital infection? Describe the methods of cross infection in the hospital. Add a note on its prevention
2. Enumerate the organisms causing STD. describe the pathogenesis and laboratory diagnosis of syphilis
3. Mention the parasites causing malaria. Discuss the life cycle and laboratory diagnosis of plasmodium vivax

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

4. Grams stain
5. Laboratory diagnosis of hepatitis B
6. Polio vaccine
7. Laboratory diagnosis of pulmonary TB
8. Active immunity
9. Blood grouping
10. ASLO
11. Candidiasis
12. Laboratory diagnosis of Vibrio cholerae



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

13. Name four organisms causing meningitis
14. Name two anaerobic media
15. Name two non bile stained ova
16. Name two enriched media
17. Name two intestinal worms
18. Name the immunoglobulins
19. Draw a neat diagram of HIV
20. BCG
21. Hydatid cyst
22. Glutaraldehyde

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Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

MATERNAL NURSING
(Revised Scheme 3)
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. a) Define labour
   b) What are the causes of onset of labour? c) Describe the nursing management during first stage of labour
2. a) Define coleostrum
   b) Describe the physiology of the establishment of lactation
   c) What are the advantages of breast feeding?
3. Discuss the nursing management of minor disorders during pregnancy

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

4. Artificial insemination
5. Preparation for home delivery
6. Causes of maternal death
7. Methods of placental separation
8. Health education for an antenatal mother
9. Rh incompatibility
10. Preventive measures of maternal mortality
11. Premature rupture of membranes
12. Genetic counscelling

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

13. Kernicterus
14. Apgar score
15. Polarity
16. Define grand multipara
17. What is goodel's sign
18. Embryo
19. RCH (Reproductive and Child Health)
20. Polarity
21. Poly hydramnios
22. Temporary methods of family planning

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1737_2008_2_S44

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

CHILD HEALTH NURSING
(Revised Scheme 3)

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. a) Define Nephrotic syndrome
   b) List the differences between Nephrotic syndrome and renal failure
   c) Discuss the nursing care of a child with nephrotic syndrome
2. a) Define rheumatic fever
   b) List the clinical features of rheumatic fever
   c) Discuss in detail about the nursing management of child with rheumatic fever
3. a) Define hirschsprung's disease
   b) Describe the pre and post operative care of the child who is posted for colostomy

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

4. Describe the health problems of adolescents
5. Diphtheria
6. Prevention of accidents in children
7. Clinical picture of a child with dehydration
8. Club foot
9. Tetralogy of fallot
10. Drugs used in tuberculosis
11. Apgar score
12. Meningitis

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

13. First Aid in snake bite
14. Stages of Wilm's Tumour
15. Clinical features of diabetes insipidus
16. Causes of mental retardation
17. Selection of play meternal in children
18. Types of fracture
19. First aid in foreign body obstruction
20. Cardio-pulmonary resuscitation
21. Changes occurring in foetal circulation after birth
22. Moro reflex

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1738_2008_2_S43

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

MEDICAL SURGICAL NURSING
(Revised Scheme 3)

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. Ms. Leena, a 19 year old female is admitted to the neurology ward with diagnosis of epilepsy disorder. She has suffered 3 episodes of GTCS since 2 days
   a) Mention the causes of convulsions
   b) Discuss the Stages of GTCS
   c) Develop a nursing care plan for Ms. Leena, using steps of nursing process
2. Mr. Ramesh, a 56 year old man is admitted to the intensive care unit with diagnosis of congestive cardiac failure
   a) Explain the pathophysiology of congestive cardiac failure
   b) Discuss the nursing management of left sided heart failure
3. a) Classify anaemias
   b) Describe the causes of anaemias
   c) Explain the management and prevention of iron deficiency anaemia

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

4. Cataract
5. Management of chronic sinusitis
6. Radiotherapy
7. Causes of osteomyelitis
8. Pathophysiology of pleural effusion
9. Management of diabetes mellitus
10. Refraction errors
11. Digoxin toxicity
12. Colostomy care

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

13. Pemphigus vulgaris
14. Tonometry
15. Pancreatitis
16. Metastasis
17. Arthoscopy
18. Mechanical ventilation
19. Causes of pancreatitis
20. Patent ductus arteriosus
21. Heart block
22. Hydrocephalus

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1739_2008_2_S102

Rajiv Gandhi University of Health Sciences, Karnataka

First year B.Sc. Nursing (PC) Degree Examination – Sept / Oct 2008

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

BIOCHEMISTRY & BIOPHYSICS (RS - 3)

Q.P. CODE: 1739& 1740

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

Q.P. Code: 1739 – Section A – BIOCHEMISTRY (38 Marks)

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

1. Describe glycolysis. Add a note on its energetics
2. How is cholesterol synthesized in the body? Add a note on its regulation

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

3. What is Gout? Explain causes of Gout
4. Gluconeogenesis
5. Classification of amino acids with examples
6. Classification of proteins based on their functions
7. Clinical significance of isoenzymes in myocardial infarction

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

8. Give normal values of the following in serum a) Glucose b) Creatinine c) Urea c) Uric Acid
9. Name ketone bodies. State two conditions where ketonuria is present
10. Name the components of the fatty acid synthase comples
11. Name any two clinically important diagnostic enzymes and give their significance

Q.P. Code: 1740 – Section B – BIOPHYSICS (37 Marks)

Use separate answer book

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

1. What is a wave? How are waves classified differentiate between longitudinal wave and transverse wave obtain the relation between velocity frequency and wavelength of a wave?
2. What is meant by transmutation of elements? What are the clinical uses of radioisotopes and radio elements?

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

3. Explain ionization chamber and scintillation counter
4. Write a note vocalization and hearing
5. Explain briefly the two scales commonly used to measure temperature
6. What are the different types of forces?
7. State Newton's universal law of gravitation. What is the difference between specific gravity and centre of gravity?

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

8. State the law of conservation of energy
9. What is the cause for friction?
10. Define principal focus of a convex lens
11. What is meant by wave period?

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