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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – May 2007

[Time: 3 Hrs]

NURSING FOUNDATION
(Revised Scheme 3)

QP Code: 1731

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

LONG ESSAY (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 ESSAY (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 2007

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – May 2007

Time: 2 Hrs.] [Max. Marks : 35]

NUTRITION AND DIETETICS
(Revised Scheme 3)

QP Code: 1732

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

LONG ESSAY (Answer any ONE) **1 X 10 = 10 Marks**

2) Define Diet therapy
b) Discuss the nutritional requirements during Pregnancy and lactation

a) Mention the water soluble vitamins and write about any one of them

SHORT ESSAY (Answer any THREE) **3 X 5 = 15 Marks**

3. Need for community nutrition Programme
4. Explain therapeutic diet for Gastro-Intestinal diseases
5. Advantages and methods of introduction of supplementary feeding of infants
6. Goiter

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

7. Food Selection
8. Role of fire in diet
9. Define Hospital diet
10. Low birth weight babies
11. Effects of Vitamin 'D' deficiency

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1734 2007 1 S.

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination - May 2007

[Time: 3 Hrs.] [Max. Marks : 75]

PSYCHOLOGY
(Revised Scheme 3)

QP Code: 1734

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

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

1. Explain the concept of mental health. Discuss the characteristics of a mentally healthy person
2. How Frustration and conflict causes stress? Briefly discuss the types of conflict and role of a nurse in stress management
3. Define Learning. Bring out the laws of learning. And their implication in nursing

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Experimental method
5. Why Psychology is regarded as sciences?
6. What method would you use in studying the behaviour of your patients
7. Distinguish between Biological and Social Motives
8. Analyse Emotional Experience and bring out its chief characteristics
9. Write short notes of different types of Intelligence tests
10. Forgetting during sickness
11. Errors in perception
12. Social motives

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

13. Self Actualization
14. Behaviour
15. Uses of personality Assessment
16. Hypersthesia
17. Attitude in health and sciences
18. Distribution of Intelligence in the population
19. Define Memory
20. Rationalization
21. Hallucination
22. Twins

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1735 ...007 1 523

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – May 2007

[Time: 3 Hrs.] [Max. Marks : 75]

MICROBIOLOGY
(Revised Scheme 3)

QP Code: 1735

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

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

1. Describe the morphology, cultivation, pathogenesis and laboratory diagnosis of salmonella typhi
2. Describe the pathogenesis and laboratory diagnosis of Hepatitis 'B' virus
3. Describe the life cycle, pathogenesis and laboratory diagnosis of Ancylostoma Duodenale

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

1. Sterilisation by radiation
2. Anaerobic methods of cultivation
3. Acquired Immunity
4. Immunoglobulin 'G' (IgG)
5. Atypical mycobacteria
6. Laboratory diagnosis of Leptospirosis
7. Lesions produced by Herpes simplex viruses
8. Concentration methods for ova and cysts
9. Candida Albicans

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

1. Name the types of arrangement of Flagella with examples
2. Give two examples of agglutination reactions
3. Classification of Hypersensitivity reactions
4. Name four Bacteria causing urinary tract infection
5. Name four differences between tuberculoid leprosy and lepromatous leprosy
6. Name two viruses causing Diarrhoea
7. Name four methods of transmission of 'HIV' virus
8. Name four RNA viruses
9. Prophylaxis against poliomyelitis
10. Name two Dermatophytes

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1736 2007 1 S.

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination May 2007

[Time: 3 Hrs.] [Max. Marks : 75

MATERNAL NURSING
(Revised Scheme 3)

QP Code: 1736

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

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

1. a) Define Maternal mortality rate
   b) List the aetiological factors for maternal mortality
   c) Discuss the role of maternity nurse in the prevention of maternal mortality
2. a) Define preterm labor
   b) List the causative factors for preterm labor
   c) Discuss the management of preterm labor
3. a) Define rupture of uterus
   b) List the etiological factors for rupture of uterus
   c) Discuss the management of rupture of uterus during labor

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Planned Parenthood
5. Medical termination Pregnancy Act
6. Natural family planning methods
7. Amniocentesis
8. Gonococcal infections
9. Ovarian hormones
10. Features of various types of pelvis
11. Intrauterine insemination
12. Trial of labor



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

13. Polarity
14. Osianders sign
15. Low birth weight baby
16. Cervical dystocia
17. Post partum hemorrhage
18. Prolonged labor
19. Fetal axis pressure
20. Exclusive breast feeding
21. Compound presentation
22. Lochia



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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – May 2007

Time: 3 Hrs.] [Max. Marks : 75]

CHILD HEALTH NURSING
(Revised Scheme 3)

QP Code: 1737

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

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

1. Discuss the growth and development of toddler
2. Enumerate the medical and nursing management of child with Hydrocephalus
3. Discuss the nursing management of low birth weight baby

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Nursing care of child with Broncho pneumonia
5. Exchange Transfussion
6. Nursing care of child with nephritic syndrome
7. Prevention of Infections in the nursery
8. Modern concept of child care
9. Value of play in children
10. Developmental tasks of school age child
11. National policy for childrens
12.

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

13. Purpura
14. Scabies
15. Minor criteria for rheumatic fever
16. Define club foot
17. Enuresis
18. Pica
19. Deficiency of Vit A
20. Identity Vs role diffusion
21. WHO
22. Mummy Restraints

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1738 2007 1 52.

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination May 2007

[Time: 3 Hrs.] [Max. Marks : 75]

MEDICAL SURGICAL NURSING

(Revised Scheme 3)

QP Code: 1738

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

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

1. Mr. Prithvish, a 68 year old man is admitted with diagnosis of Hypertension in the medical ward
   a) Discuss the factors leading to hypertension
   b) Enlist the complications and frame a discharge protocol for prevention of complications due to hypertension
2. Ms. Rina, a 18 year old girl is admitted to medical ward with diagnosis of pneumonia
   a) List the clinical manifestations of Pneumonia
   b) Draw a nursing care plan for Ms. Rina
3. a) What are the causes of acute renal failure?
   b) Describe the clinical manifestations of ARF
   c) Write the nursing management of ARF

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Tracheostomy care
5. Stress testing
6. Scabies
7. Cardio Pulmonary resuscitation
8. Lung abscess
9. Broncho dilators
10. Surgical management of Renal Calculi
11. Puva therapy
12. Dialysis

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

13. Hemorrhoids
14. Myopia
15. Iron deficiency anaemia
16. Percentage of burns
17. Goitre
18. Bursitis
19. Prevention of Urinary tract infection
20. Pap smear
21. Purpura
22. Streptokinase

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1739 2007 1 S23

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination - May 2007

Time: 3 Hours] [Max. Marks: 75]

BIOCHEMISTRY AND BIOPHYSICS
(Revised Scheme 3)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary.
Use separate answer books for section A and section B.

QP Code: 1739 - Section A - BIOCHEMISTRY [38 Marks]

ONG ESSAY (Answer any ONE) **1 x 10 = 10 marks**

1. Describe the final common pathway for the metabolism of carbohydrates, fats and proteins
2. Define oxidative phosphorylation. Describe the components of the electron transport chain

T ESSAY (Answer any FOUR) **4 x 5 = 20 marks**

3. Role of Ribonucleic acid in protein synthesis
4. Hormonal regulation of electrolyte balance
5. Causes, features and treatment of dehydration
6. What are Isoenzymes? Give two examples with their clinical importance
7. Lipoproteins and their functions

HORT ANSWERS **4 x 2 = 8 marks**

8. Essential aminoacids
9. Hormones regulating blood glucose levels
10. Name two purine and two pyrimidine nitrogenous bases
11. Importance of Biochemistry in Nursing

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QP Code: 1740 - Section B - BIOPHYSICS [37 Marks]
Use separate answer book

ESSAY (Answer any ONE) **1 x 9 = 9 marks**

1. State and explain Newton's laws of motion. Write a note on application of gravity in nursing
2. Explain the terms current, voltage and resistance. Write their units of measurements. State Ohm's law and explain

HORT ESSAY (Answer any FOUR) **4 x 5 = 20 marks**

3. Distinguish between kinetic energy and potential energy with examples
4. Name the defects of vision and how do you correct them
5. Explain how the density of urine is measured using urino meter with diagram
6. Explain the principle and working of a sphygmomanometer with diagram
7. What are the modes of transmission of heat give one example for each

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

8. Convert 40 degree Celsius to Fahrenheit
9. Why white clothes are preferred during summer season?
10. Mention any two use of X-rays in clinical practice
11. What is a lever? Mention types of levers with examples

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hrs.] [Max. Marks : 75]

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MATERNAL NURSING
(Revised Scheme 3)

QP Code: 1736

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

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

1. a) Define the term newborn
   b) List the minor disorders of the newborn
   c) Discuss the immediate care of the newborn
2. a) Define pregnancy included hypertension
   b) List the complications of pregnancy induced hypertension
   c) Discuss the management of eclampsia at 38 weeks of gestation of pregnancy
3. a) Define puerperium
   b) List the types of Lochia
   c) Discuss the management of normal puerperium

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Postnatal psychosis
5. Physiology of lactation
6. Extra uterine adaptation of the newborn
7. Intra uterine contraceptive devices
8. Ventouse
9. Phototherapy
10. Paragraph
11. Version
12. Indications for caesarean section

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

13. Deep transverse arrest
14. Presentation
15. Asphyxia Neonatorum
16. Baseline Tachycardia
17. Constriction ring dystocia
18. Klympke's palsy
19. Morula
20. Menopause
21. Incoordinate uterine action
22. Perineum

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hrs.] [Max. Marks : 75]

CHILD HEALTH NURSING
(Revised Scheme 3)

QP Code: 1737

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

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

1. Discuss nursing car plan for the 5 yr old child who is Immobilized by traction
2. a) Mention the various types of Epilepsy
   b) Discuss Nursing management of 2 yrs old child with convulsion
3. a) Define acute glomerulo nephritis
   b) Mention nursing management of 5 yr child with acute glomerulo nephritis

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Educational needs of Diabetic child
5. Nursing care of child with wilm's Tumour
6. Cretinism
7. Restraints
8. Juvenile Delinquency
9. Essential new born care at birth
10. Parameters of growth and development
11. Vital statistics
12.

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

13. Clinical features of Kwashiorkor
14. Pathophysiology of Drowning
15. Clinical features of first degree burns
16. Incubation period of chicken pox
17. Koplik spots
18. DPT
19. Define Exclusive Breast feeding
20. VSD
21. Define cleft lip
22. Omphalocele

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 200

[Time: 3 Hrs.] [Max. Marks : 7!

MEDICAL SURGICAL NURSING

(Revised Scheme 3)

QP Code: 1738

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

LONG ESSAY (Answer any TWO) **2 X 10 = 20 Mark**

1. Master Ramu, a 15 year old boy is admitted to the cardiology ward with the diagnosis of rheumat heart disease
   a) Enlist the clinical manifestations of Rheumatic heart disease
   b) Discuss the jone's major and minor criterion
   c) Prepare a discharge plan for master Ramu, after prothetic double valve replacement
2. Mr. Kannappa, 44 year old, a known alcoholic is admitted to medical ward with diagnosis of liv cirrhosis
   a) Describe the pathophysiology of liver cirrhosis
   b) Explain the management of Mr. Kannappa in detail
3. a) Describe types of fractures
   b) Explain the nursing management of a patient who has undergone above-knee amputation

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Mark**

4. Levels of Unconsciousness
5. Cardiogenic shock
6. Thoracentesis
7. Renal transplantation
8. Hysterectomy
9. Cancer Prevention
10. Complications of tonsillitis
11. Leukemias
12. Principles of intensive care unit

SHORT ANSWERS **10 X 2 = 20 Mark**

13. Comprehensive nursing care
14. Polycystic kidney
15. Electro myelogram
16. Headache
17. Epistaxis
18. Causes of otitis media
19. Hemiplegia
20. Cardiac tamponade
21. Principles of traction
22. Emphysema and Empyema

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 2 Hrs.] [Max. Marks : 35]

NURSING FOUNDATION
(Revised Scheme 3)

QP Code: 1731

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

LONG ESSAY (Answer any ONE) **1 X 10 = 10 Marks**

1. Define quality assurance and discuss the role of council and professional bodies in maintenance of standards
2. Define Developmental concept and Explain the needs and problems of the Developmental stages of old age

SHORT ESSAY (Answer any THREE) **3 X 5 = 15 Marks**

3. Primary Nursing
4. Care of solid wastes
5. Tools for Evaluation
6. Importance of Reports and Records

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

7. Nurse clinician
8. Community Oriented nursing
9. Functions of professional nurse
10. Define problem
11. Holistic nursing

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 2 Hrs.] [Max. Marks : 35]

NUTRITION AND DIETETICS
(Revised Scheme 3)

QP Code: 1732

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

LONG ESSAY (Answer any ONE) **1 X 10 = 10 Marks**

1. a) Define Nutrition and classify the foods
   b) Discuss the factors to be considered in planning diet for diabetes mellitus
2. a) What are the composition on protein
   b) List the sources, functions and mention the effect of deficiency of protein

SHORT ESSAY (Answer any THREE) **3 X 5 = 15 Marks**

3. Food preparation and preservation
4. Advantages of school lunch programme
5. Feeding of premature infants
6. Vitamin 'K' – Sources, uses and requirements

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

7. Dietary sources of Calcium
8. Define Grilling, Poaching, grating and Kneeding
9. Nutritional needs of Preschoolers
10. Constituents of Vitamin B-complex
11. Methods of Nutritional education

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hrs.] [Max. Marks : 75]

PSYCHOLOGY
(Revised Scheme 3)

QP Code: 1734

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

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

1. Define Psychology. How does psychology differ from Sociology, Biology and Psychiatry?
2. Explain the concept of Intelligence quotient. How Intelligence is measured?
3. What are the nature and causes of Individual differences?

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Discuss the causes of Forgetting
5. How Attitudes are formed?
6. Physiological drives that determine our daily behaviour
7. Methods of Improving memory
8. Nature of learning
9. Principles of Perception
10. How do visual and auditory disorder effect learning?
11. Explain the personality traits & nurse should develop
12. Role of Endocrine gland in determining behaviour

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

13. Verbal Test
14. Define Conflict
15. What is sensory memory?
16. Nature of Attention
17. Extra sensory perception
18. Recitation method in memorizing
19. Amnesia
20. Significance of Individual differences
21. Introspection method
22. Abnormal psychology

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hrs.] [Max. Marks : 75]

MICROBIOLOGY
(Revised Scheme 3)

QP Code: 1735

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

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

1. Draw a neat labelled diagram of a Bacterial cell. Describe the cell wall
2. Describe the morphology, cultivation, pathogenesis and laboratory diagnosis of staphylococcus aureus
3. Describe the morphology, pathogenesis and laboratory diagnosis of rabies virus

SHORT ESSAY (Answer any SEVEN) **7 X 5 = 35 Marks**

4. Principle of Autoclave
5. Immunoglobulin M (IgM)
6. Delayed Hypersensitivity
7. Widal test
8. Prophylaxis against tetanus
9. Effect of environmental factors on microbes
10. Life cycle of ascaris lumbricoides
11. Opportunistic parasitic infections in AIDS patients
12. Cryptococcosis

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

13. Name two differential stains
14. Herd Immunity
15. Acid fast staining
16. Classification of streptococci
17. Name four Bacteria causing food poisoning
18. Name the vectors transmitting dengue and Japanese encephalitis
19. What is the route of infection of Hepatitis 'A' virus and Hepatitis 'B' virus
20. Draw a neat and labeled diagram of 'HIV' virus
21. Name two dermatophytes
22. Concentration methods for ova and cysts

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Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination – October 2007

[Time: 3 Hours] [Max. Marks: 75]

BIOCHEMISTRY AND BIOPHYSICS
(Revised Scheme 3)

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary.
Use separate answer books for section A and section B.

QP Code: 1739 - Section A - BIOCHEMISTRY [38 Marks]

LONG ESSAY (Answer any ONE) **1 x 10 = 10 marks**

1. Describe the steps in the biosynthesis of proteins
2. Give an account of the digestion and absorption of carbohydrates

SHORT ESSAY (Answer any FOUR) **4 x 5 = 20 marks**

3. Functions of proteins the body
4. Factors affecting enzyme activity
5. Synthesis of fatty acids
6. Non protein nitrogenous substances and their origin
7. Cholesterol and its importance

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

8. Gluconeogenesis
9. Importance of Hexose Monophosphate Shunt pathway
10. Normal levels of total protein, albumin, total bilirubin and conjugated bilirubin in serum
11. Uncouplers of oxidative phosphorylation

QP Code: 1740 - Section B - BIOPHYSICS [37 Marks]
Use separate answer book

LONG ESSAY (Answer any ONE) **1 x 9 = 9 marks**

1. What is X-rays? How are they produced, what are their properties and use of X-rays in medicine?
2. Write a note on ECG and EMG

SHORT ESSAY (Answer any FOUR) **4 x 5 = 20 marks**

3. Write a note on ECG and EMG
4. What are the defects of vision? How are they corrected?
5. Explain the construction and working of clinical thermometer with the help of a diagram
6. Write a note on cardiac pace maker
7. Mention the type of heat transmission with examples for each of them

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

8. What is moment of Inertia?
9. Explain why under water exercises are advised for patients suffering from joint disorders
10. Give two differences between stable Isotope and Radio active Isotope
11. What is meant by least count of an instrument give one example

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