

Second Semester B.Sc. Nursing Examination, (Phase-III) Winter - 2023
APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 63

12.03.22

SECTION - B & SECTION - C

- Instructions :**
- 1) Use **black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for section B & C.

SECTION-B

(Applied Biochemistry)

2. Short notes : (any three out of four)

[3×5=15]

- a) Explain Pentose Phosphate Pathway of Glucose oxidation.
- b) Write a note on transamination and deamination reactions in protein metabolism.
- c) Name lipoproteins and mention one functions of each. Add a brief note on atherosclerosis.
- d) Discuss factors regulating blood sugar level.

3. Very Short Notes : (any three out of four):

[3×2=6]

- Draw structure of immunoglobulins.
- Write a note on essential fatty acids.
- Enumerate types of jaundice.
- Give four examples of biologically important peptides.

SECTION-C

(Applied Nutrition & Dietetics)

4. Essay/Situation Type Question : (Any One out of Two)

[1×10=10]

- Define Balanced Diet? What are the elements of balanced diet? Discuss the role of fibers in balanced diet.
- Discuss the nutritional programmes in India. What are the methods of assessing the nutritional status of a child below five years? Explain the role of nurse in nutritional programmes in India.

5. Short Notes: (Any Four out of Five)

[4×5=20]

- Food Adulteration Act.
- Functions of Carbohydrate.
- Discuss the Aims of supplementary nutrition intake under I.C.D.S Scheme.
- Explain the Methods of food preservation.
- Discuss the factors affecting Basal Metabolic Rate.

6. Very Short Notes: (Any Six out of Seven):

[6×2=12]

- a) First Class Protein.
- b) Compositions of body fluid.
- c) Deficiency manifestations of water-soluble vitamins. (Any three)
- d) Body Mass Index.
- e) Bomb calorimeter.
- f) List down the clinical features of Marasmus.
- g) Micronutrients.



Second Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023
NURSING FOUNDATION - I & II

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks :53

SECTION - B & SECTION-C

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
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 - 7) Use a common answerbook for Section B & C.

- 2. Essay/Situation Type (Solve any 2 Out of 3):-** **[2×15=30]**
- a)
 - i) List the complications of Unconsciousness. **[3]**
 - ii) Explain the Glasgow coma scale. **[5]**
 - iii) List the pressure points in a supine position. **[2]**
 - iv) How will you prevent pressure sores in a patient. **[5]**
 - b)
 - i) Explain the types of admission in the hospital. **[4]**
 - ii) Explain the Nurses role while taking admission. **[4]**
 - iii) How will you take care of the unit after patient's discharge. **[4]**
 - iv) List the roles of a professional nurse. **[3]**

- c) Mrs. Seema, 74 years old female is having difficulty in breathing, shortness of breathe, looking exhausted and is anxious. She is receiving oxygen 50% via oxygen mask. Answer the following.

- List 3 nursing diagnosis for Mrs. Seema. [3]
- List the parameters assessed during respiratory assessment. [2]
- Explain the nursing responsibilities while patient is receiving oxygen therapy. [5]
- List the nursing interventions for improving the breathing in a patient. [5]

3. Short Notes(Solve any 5 Out of 6):-

[5×5=25]

- Nutritional assessment
- Standard Precautions in infection control
- Factors affecting Sleep
- Role of nurse in maintaining optimal noise and ventilation in the ward
- Health care team: Roles and responsibilities
- Explain Process of Communication

4. Very Short Notes(Solve any 4 Out of 5):-

[4×2=8]

- Define Pulse. List 2 alterations in pulse
- List 2 differences between verbal and non verbal communication
- List the methods to check the placement of Ryles tube in the stomach?
- How will you take care of rubber mackintosh?
- List 4 nursing responsibilities while applying physical restraint.



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First Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023

APPLIED SOCIOLOGY & APPLIED PSYCHOLOGY (Paper-II)

Total Duration : Section A + B + C = 3 Hours

Section A Marks : 13

SECTION - A (MCQ)

- Instructions :**
- 1) Use **black ball point pen only**.
 - 2) **Each question carries one mark.**
 - 3) **Rough work should be done only on the Blank Space provided on the question paper booklet. If the rough work done is found elsewhere other than the space provided on question paper or anywhere on answerbook such an act will be treated as an attempt to resort to Unfair means.**

1. Multiple Choice Questions :

[13×1=13]

- 1) Non-confirmity to social norms is called:
 - a) social change
 - b) deviance
 - c) social conflict
 - d) struggle
- 2) Basics for a child's good mental health include:
 - a) unconditional love
 - b) minor illness
 - c) immunization
 - d) weaning
- 3) Specific abilities are measured by:
 - a) achievement tests
 - b) aptitude test
 - c) intelligence tests
 - d) occupational test
- 4) Father of Psychology is:
 - a) Sigmund Freud
 - b) William James
 - c) Ivan Pavlov
 - d) William Wundt

- 5) Accommodation is essentially a process of _____
- a) Adjustment b) Co-operation
c) Group formation d) Competition
- 6) Opposition of one motive by other motive results in a:
- a) set b) habit
c) conflict d) psychosis
- 7) Who has introduced the term 'Primary Group'?
- a) K Davis b) C H Cooley
c) Ogburn and Nimkoff d) Auguste Comte
- 8) Which of the following is a formal means of social control?
- a) customs b) traditions
c) laws d) cultural norms
- 9) Which of the following is an example of physical abuse?
- a) slapping b) bullying
c) scolding d) fraud
- 10) Psychology is defined as the scientific study of:
- a) mental disorders b) mental processes
c) human relationships d) human and animal behaviour

- 11) Psycho analytical theory was originated by:
- a) Erick Erickson
 - b) Alfred Adler
 - c) Sigmund Freud
 - d) Carl Jung
- 12) Forces that govern the initiation and persistence of behaviour are called:
- a) emotions
 - b) motives
 - c) intellectual capacities
 - d) personality attributes
- 13) Sociology is derived from which of the following two words
- a) Socius and logos
 - b) Societus and logos
 - c) Science and logos
 - d) Socitins and logos



SPACE FOR ROUGH WORK

First Semester B.Sc. Nursing Examination, (Phase - III) Winter - 2023

APPLIED SOCIOLOGY & APPLIED PSYCHOLOGY (Paper-II)

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks :62

SECTION - B & SECTION-C

- Instructions :**
- 1) Use **black ball point pen only.**
 - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) **The number to the right indicates full marks.**
 - 5) **Draw diagrams wherever necessary.**
 - 6) **Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.**
 - 7) **Use a common answerbook for section B and C.**

SECTION-B

2. **Long Answer Questions (Solve any 1 out of 2):-** [1×10=10]
- a) Define social control. List out the types and explain the process of social control in detail.
 - b) Explain laws of Learning. Describe factors influencing our memory.
3. **Short Answer Questions (Solve any 3 out of 4):-** [3×5=15]
- a) Malthusian theory of population.
 - b) What is an intelligence test? Elucidate its uses with examples.
 - c) Women Empowerment and Role of Nurse in Women Empowerment.
 - d) Define Social Mobility. Write the indicators of Social mobility.

4. Short Answer Questions (Solve any 3 out of 4):- [3×2=6]

- a) What is Reinforcement? *Psy*
- b) List the various branches of Psychology. *Psy*
- c) Enumerate types of Social problems in India.
- d) Define Social Organization.

SECTION-C

5. Long Answer Questions (Solve any 1 out of 2):- [1×10=10]

- a) What is meant by Urban Community? Discuss the impact of urbanisation on health and health practices.
- b) Define Memory. Discuss about the types of memory. *Psy*

6. Short Answer Questions (Solve any 3 out of 4):- [3×5=15]

- a) Explain effects of Bodily Conditions on Mental Functioning. *Psy*
- b) Describe the characteristics of family.
- c) Explain alterations in Perception, also called as perceptual illusions. *Psy*
- d) Process of Socialization.

7. Short Answer Questions (Solve any 3 out of 4) :- [3×2=6]

- a) Enumerate types of socialization
- b) Soft skills *Psy*
- c) Types of thinking *Psy*
- d) Define Sociology.



Second semester B.Sc. (Nursing) Examination, Summer - 2023
(Phase - III)

APPLIED BIOCHEMISTRY AND APPLIED NUTRITION & DIETETICS

Total Duration : Section A+B+C = 3 Hours

Section B & C Marks : 60

SECTION - B & SECTION - C

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 - 3) **All questions are compulsory**.
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated time. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for section B & C.

SECTION - B

(Applied Biochemistry)

- 2) Short Notes: (Any Three out of Four) [3 × 5 = 15]
- a) Describe Glycolysis and explain brief about Reaction sequence and energy generation.
 - b) What are blood buffers and explain their role in maintaining blood pH.
 - c) Explain clinical importance of Blood urea.
 - d) Write a note on Electrophoresis.
- 3) Very Short Notes: (Any Three out of Four) [3 × 2 = 6]
- a) Describe in brief about beta oxidation of fatty acids
 - b) Transamination reactions.
 - c) Properties of isoenzymes
 - d) Immunoglobulins.

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SECTION "C"
(Applied Nutrition & Dietetics)

- 4) Essay/Situation Type Question : (Any One out of Two) [1×10=10]
a) Enumerate major nutritional problems in India. Discuss the methods of nutritional education, Role of Community Health Nurse in implementation of nutritional programs in India.
b) Discuss the Principles of Menu planning. Explain the factors affecting menu planning. Prepare menu plan for diabetic client.
- 5) Short Notes: (Any Four out of Five) [4×5=20]
a) Direct and indirect method of measuring energy.
b) Functions of Ascorbic Acid.
c) Classification of Lipids.
d) Explain in brief about National Nutritional Policy.
e) Explain the role of the food handlers in food borne diseases.
- 6) Very Short Notes: (Any Six out of Seven): [6×2=12]
a) Types of food fortifications.
b) Functions of Riboflavin.
c) Functions of water.
d) Factors influencing food habits.
e) Enumerate Food Groups.
f) Objectives of Midday Meal Programme, (MIDMP)
g) Write the difference between Kwashiorkor and Marasmus. (Any Four)



SECTION - B

- Instructions :**
- 1) Use blue/black ball point pen only.
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 - 3) All questions are **compulsory**.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams **wherever necessary**.
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 - 7) Use a common answer book for section B.

2. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

- a) Define family. Explain the types of family.
- b) What is memory. Explain the techniques to improve Memory.

3. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) What is the role of heredity and environment in shaping our behavior.
- b) Discuss Maslow's theory of self actualization.
- c) Agencies of Socialization
- d) Discuss the characteristics of joint family.

4. Short Answer Questions (Solve any 3 Out of 4) [3 × 2 = 6]

- a) Sources of stress
- b) Class.
- c) Meaning of Psychology
- d) Define social control.

5. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

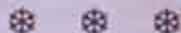
- a) Define Social Processes. Explain the various forms of social processes.
- b) What is conflict? Explain different types of conflict with examples.

6. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) Major problems of Urban areas.
- b) Explain any one Theories of personality in detail.
- c) Explain ways and means of achieving women empowerment.
- d) Modernization and industrialization is a key factor for social disorganization.

7. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 2 = 6]

- a) Cultural lag.
- b) Resilience.
- c) What is the meaning of the term Behavior.
- d) List the classification of social groups.



SECOND SEMESTER B.Sc. NURSING EXAMINATIONS
APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : 2 Hrs.

Total Marks : 75

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 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw **diagrams** **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. This format is a mere guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.
 - 7) Use a common answer book for all sections.

SECTION – B (Applied Biochemistry)

2. Short Notes : (any 3 out of 4) (1x5=15)
 - a) Causes of proteinuria.
 - b) Glucose tolerance test and its significance.
 - c) Describe on investigations of Diabetes Mellitus.
 - d) Lipoproteins.
3. Very Short Notes : (any 3 out of 4) (3x2=6)
 - a) What is Chylomicron.
 - b) Write four functions of globulin.
 - c) Name the essential amino acids.
 - d) Define creatinine clearance test.

SECTION – C (Applied Nutrition & Dietetics)

4. Essay / Situation type question : (any 1 out of 2)

(1×10=10)

- Define Malnutrition? Discuss the classifications of Malnutrition.
- What is Food Adulteration? Discuss on prevention of Food Adulteration.

5. Short Notes : (any 4 out of 5)

(4×5=20)

- Write a note on Mid Day Meal Programme.
- Classify Vitamins and list the deficiency diseases of Vitamin A.
- Methods of Food Preservation.
- Write the classification of food with examples.
- Factors affecting Basal Metabolic Rate (BMR).

6. Very Short Notes : (any 5 out of 7)

(6×2=12)

- What is mean by food standards.
 - Four Functions of Protein.
 - What is Lipid.
 - Write down four functions of carbohydrate.
 - Define Dehydration.
 - Define Therapeutic Diet.
 - Write the sources of Vitamin C.
-

[Total No. of Pages : 2

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**Second Semester B.Sc. (Nursing) Examination, Summer - 2024
Phase - II**

**APPLIED BIOCHEMISTRY AND APPLIED NUTRITION &
DIETETICS**

Total Duration : Section A+B+C = 3 Hours

Section B&C Marks : 63

SECTION - B & SECTION - C

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 - 7) Use a common answer book for all section B & C.

SECTION - "B"

(Applied Biochemistry)

- 2. Short Notes (Any Three out of Four) :** **[3 × 5 = 15]**
- a) Discuss in brief about digestion and absorption of lipids.
 - b) Discuss types and functions of immunoglobulins.
 - c) Classification of Enzymes with suitable examples.
 - d) Explain cardiac cycle in detail.
Heart cycle.
- 3. Very Short Notes : (Any Three out of Four)** **[3 × 2 = 6]**
- a) Explain four factors affecting enzyme activities.
 - b) Enumerate four products derived from cholesterol.
 - c) What are the biochemical tests to assess renal function?
 - d) Classification of proteins.

SECTION - "C"

(Applied Nutrition & Dietetics)

4. Essay / Situation Type Question : (Any One out of Two) [1 × 10 = 10]

- a) Define Hypervitaminosis. Explain the various vitamin deficiency disorders. Discuss. Why vitamin D is essential for our body?
- b) List down the nutrients that supply energy and the basic factors influencing the energy needs of the body.

5. Short Notes : (Any Four out of Five)

[4 × 5 = 20]

- a) Discuss monitoring and evaluation of ICDS programme.
- b) Classification of lipids.
- c) Discuss the dietary sources of protein.
- d) Discuss factors affecting food and nutrition.
- e) Explain Principles of Cooking.

6. Very Short Notes: (Any Six out of Seven) :

[6 × 2 = 12]

- a) Beriberi.
- b) Therapeutic Diet.
- c) Oral Rehydration Therapy.
- d) Food Standards.
- e) Macro elements of food.
- f) Enumerate the methods Pasteurization.
- g) Enlist the sources of Calcium.



Second Semester B.Sc. Nursing (2022) Examination,
(Phase - III) Winter - 2024

APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 63

SECTION - B & SECTION - C

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 - 7) Use a common answerbook for all Sections.

SECTION - B

(Applied Biochemistry)

2. Short Notes : (any 3 out of 4) [3×5=15]
- a) Urea Cycle.
 - b) Explain briefly about Blood buffer.
 - c) Hypoglycemia.
 - d) Define protein & discuss function of plasma protein.
3. Very Short Notes : (any 3 out of 4) [3×2=6]
- a) Define Fatty acids and its classification.
 - b) List down the Causes of proteinuria.
 - c) Regulation of blood sugar.
 - d) List down the types of Enzymes with suitable example.

P.T.O.

SECTION - C

(Applied Nutrition & Dietetics)

4. Essay / Situation type question : (any 1 out of 2) [1×10=10]
- a) Define food safety, State the principles of food safety and storage of food items.
 - b) i) Define nutritional assessment. Explain the methods of nutritional assessment.
ii) Write the role of nurse in nutritional assessment.
5. Short Notes: (any 4 out of 5) [4×5=20]
- a) Therapeutic Diet.
 - b) Describe about the Functions and absorptions of fat.
 - c) Iron deficiency anemia.
 - d) Principles of cooking.
 - e) Vitamin - A deficiency.
6. Very Short Notes : (any 6 out of 7) [6×2=12]
- a) Functions of protein.
 - b) Composition of body fluid.
 - c) Define Food guide and list any two basic guidelines.
 - d) Define ^{weaning}weaning and list any three principles.
 - e) List down the sources of carbohydrate.
 - f) Define malnutrition and its types.
 - g) Enlist the various nutritional programme for under five children.

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**Second Semester B.Sc. Nursing (2022) Examination,
(Phase - III) Winter - 2024**

NURSING FOUNDATION - I & II

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 63

SECTION - B & SECTION - C

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 - 7) **Use** a common answerbook for all Sections.

2. Essay/Situation Type (Solve any 2 out of 3) : [2×15=30]

- a)
 - i) What is Fluid and Electrolyte imbalance? [3]
 - ii) Enlist the clinical features of Fluid & Electrolyte imbalance. [5]
 - iii) Explain the Nursing management of patient with Fluid volume deficit. [7]
- b)
 - i) Define cross infection. [2]
 - ii) Explain the principles of skin care. [5]
 - iii) Explain role of nurse in reinvention of cross infection in hospital. [8]
- c)
 - i) Define Gastric Lavage. [2]
 - ii) List the indication of Gastric Lavage. [5]
 - iii) Explain the nurses responsibility during Nasogastric tube incubation & feeding. [8]

P.T.O.

3. Short Notes (Solve any 5 out of 6) :**[5×5=25]**

- a) Explain coping strategies to manage stress.
- b) As a nurse how will you utilize the nursing process to develop self esteem.
- c) What are the measures to avoid needle stick injury?
- d) Write various methods of physical examination.
- e) Role of Nurse in taking care of visually impaired person.
- f) Write about Health Belief Model and What do you understand by health belief model.

4. Very Short Notes (Solve any 4 Out of 5) :**[4×2=8]**

- a) What are the contra indication of hot application?
- b) List the factors which affecting the appetite.
- c) Write down the factors affecting sexuality.
- d) List the characteristic of pulse.
- e) What is transcultural nursing?

x x x

Que2.Essay / Situation Type (Solve any 2 Out of 3) :-

(2x15=30.00)

- a. Mr. Raghav, a 65-year-old male, was admitted to the male medical ward. On admission, his assessment revealed: temperature: 39 degrees celsius, pulse: 110/minute, respiration: 22/ minute, BP: 140/100 mm of Hg. On examination, he was unresponsive with Glasgow scale score of 5/15. i. List any six nursing problems for Mr. Raghav. (3 Marks)
ii. Discuss any two factors that may have affected the sensory function of Mr. Raghav. (5 Marks) iii. Write the nursing process with any two priority nursing diagnoses for Mr. Raghav. (7 Marks)
- b. i. You are administering inj. Streptomycin. The ordered dose is 0.5 gms. The available dose is 750 mg/3 ml. How many ml of Inj. streptomycin will you administer? (3 marks) ii. Discuss the types of oxygen administration. (5 Marks) iii. Discuss any three routes of medication administration. List their advantages and disadvantages. (7 marks)
- c. i. Write scope of nursing practice (3 Marks) ii. List the communication barriers and how you, as a nurse, will ensure effective communication with the patient. (5 Marks) iii. Write the characteristics and sites for pulse. Describe two alterations of pulse. (7 Marks).

Que3.Short Notes(Solve any 5 Out of 6) :-

(5x5=25.00)

- a. Write first aid management for burns
- b. Discuss members of health care team
- c. Enlist factors affecting nutritional needs
- d. Write purposes of reports and records
- e. Explain care of rubber goods
- f. Describe chain of Infection

Que4.Very Short Notes(Solve any 4 Out of 5) :-

(4x2=8.00)

- a. Define bereavement
- b. List four measures that the nurse could plan to minimize patient's stress.
- c. List the four purposes of patient education
- d. List four measures to prevent pressure sores.
- e. Enlist four indications for giving an enema

SECOND SEMESTER B.Sc. NURSING EXAMINATIONS
APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

Total Duration : 3 Hrs.

Total Marks : 75

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 - 7) Use a common answer book for all sections.

SECTION – B (Applied Biochemistry)

2. Short Notes : (any 3 out of 4) (3x5=15)
- a) Hormonal regulation of Blood glucose level.
 - b) ELISA
 - c) Lipid profile and its interpretation.
 - d) Diagnostic importance of enzyme.
3. Very Short Notes : (any 3 out of 4) (3x2=6)
- a) Biochemical parameter and Normal values of Liver profile.
 - b) List down the causes for proteinuria.
 - c) Clinical importance of PUFA and MUFA.
 - d) Metabolism of carbohydrate.

SECTION – C (Applied Nutrition & Dietetics)

4. Essay / Situation type question : (any 1 out of 2) (1x10=10)
- a) Define Recommended Daily Allowance (RDA). Explain the factors affecting RDA. Write calculation formula and factors affecting BMI.
 - b) Define Malnutrition. Describe the clinical features of severe (PEM) Protein Energy Malnutrition and Dietary Management of Protein Energy Malnutrition.
5. Short Notes : (any 4 out of 5) (4x5=20)
- a) National Nutritional Policy.
 - b) Discuss the dietary sources of proteins.
 - c) Explain the methods of food preservation and storage method.
 - d) Mid-day meal programme.
 - e) Write down the functions and deficiency of Vitamin – C.
6. Very Short Notes : (any 6 out of 7) (6x2=12)
- a) Recommended dietary allowance and list down the sources of fats.
 - b) Principles of nutrition education.
 - c) Deficiency disorder of calcium.
 - d) List any four functions of carbohydrates.
 - e) Objectives of Therapeutic diet.
 - f) Principles of balanced diet.
 - g) Classification of food.
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KALYAN COLLEGE OF NURSING, RAJURA

B. Sc. NURSING II SEMESTER 2022-2023

SUBJECT - COMPUTER

Time : 2 hours

Maximum Marks : 75

SECTION - A

Question 1 : Multiple choice question

10 marks

1. An online journal used as a short form for
a. Personal log b. short log c. Web log
2. which are decided by law.
a. legal issues b. personal issues c. common issues
3. are set of principles that helps in differentiating between right and wrong conduct.
a. Behaviour b. ethics c. none of these
4. a person knows that the information is false, still it is published.
a. cookie b. malice c. none of these
5. a deleterious software designed by hackers.
a. filtering b. malware c. none of these
6. it can be a hardware or software intended to prevent unauthorized user's access a computer system.
a. Operating system b. firewall c. None of these
- 7..... is a fraud process by which some offenders send e-mails claims to be form a reputed company so that user reveals all is personal information.
a. phishing b. spamming c. whaling
8. operating system is a graphical user interface.
a. Windows b. MS-DOS c. command line
9. displays the contents pagewise.
a. DIR/W b. DIR/A c. DIR/P
- 10 is an internal command.
a. DATE b. TREE c. FORMAT

SECTION - B

Question 2. Answer the following (any 5)

15 Marks

1. Enumerate the barriers of EBHI.
2. Enumerate the important laws related to health information system.
3. Enumerate the steps of data analytics.
4. Enumerate the advantages of nursing informatics.
5. Enlist the branches of health informatics.
6. Enlist the 4 domains of SNOMED CT.
7. Name the forms of health information system.

Question 3. Answer in shorts.(any 5)

30 Marks

1. Write in detail about the ACE star model of EBHI.
2. Explain in details about the organizations working for the maintenance of the ethical issues in health informatics.
3. Write in detail about the components of nursing informatics by ANA.
4. Enumerate the advantages of knowledge management.
5. How internet communication software are beneficial in nursing profession?
6. Explain the process of Risk management process with examples.

Question 4. Long Answer (Any 1)

10 marks

1. Describe in detail about Windows 7, 8 and 10.
2. Explain in details about the role of nurse informatician in public health sector.

Q 5 Write the full form of the following.

10 marks

1. AMIA :.....
2. HIMSS :.....
3. HIPAA :.....
4. HITECH ACT :.....
5. EBHI :.....
6. EMAR :.....
7. SNOMED :.....
8. CPOE :.....
9. ICNP :.....
10. NANDA :.....

KALYAN COLLEGE OF NURSING, RAJURA

24

B. Sc. NURSING II SEMESTER 2024

SUBJECT - Nursing IT

Time : 3 hr

Marks : 75

Que 1. (A) Multiple choice question.

10m

1. Which is not a part of computer?
 - a. mouse
 - b. monitor
 - c. keyboard
 - d. None of the these
2. What information is more available to doctors because of the inception of EHRs?
 - a. Drug dosages
 - b. Side effects
 - c. Allergies
 - d. All of these
3. What is one advanced method used to input data into an HER?
 - a. Using a keyboard to type
 - b. Employ voice recognition technology
 - c. Play your iPod
 - d. Making use of a transcriber
4. Which of the following is a barrier to the implementation of EHR?
 - a. Lack of standards
 - b. Smart Phones
 - c. LANs
 - d. None of these
5. Which of the following is not a benefit of HER?
 - a. Little or no training necessary
 - b. Enhanced access to clinical information
 - c. Improved patient safety
 - d. Decreased medical errors
6. Elements of quality management system are
 - a. Organizational structure
 - b. Procedures
 - c. Responsibilities
 - d. All the three
7. What is the world body for standards formulation?
 - a. WHO
 - b. ISO
 - c. ILO
 - d. QC
8. There is no logical basis of making decision or taking action without the following :
 - a. Knowledge
 - b. Quality
 - c. Standard
 - d. Condition

9. What is input devices

- a. Monitor
- b. Mouse
- c. printer
- d. speaker

10. What technology advancement has made it easier for medical workers to move around?

- a. Handheld computers
- b. Wireless connectivity
- c. PDAs
- d. All of these

(B). Write the Full Form

5 m

1. EHR

2. EMR

3. HIS

4. EBQI

5. NIS

Que 2. Answer in brief

10m

1. What are the advantages of knowledge management system?
2. What nursing skills are needed for NIS?
3. What are the limitation of nursing informatics?
4. What are the characteristics of computer?
5. What are the key feature of MS Excel?

Que 3. Answer in short

30m

1. What is the application of SNOMED CT?
2. Discuss about the component of nursing information system.
3. Explain the application of public informatics?
4. What is the difference between evidence based practice and quality improvement?
5. What are the aims of hospital information systems?
6. Define health informatics and need of health informatic in nursing practice.

Que 4. Long Answer Question

20m

1. Elaborate the role of nurse in evidence based quality improvement ?
2. What are the components of HIS? Discuss briefly.

KALYAN COLLEGE OF NURSING, RAJURA

B. Sc. NURSING II SEMESTER 2022-2023

CLASS TEST-II

SUBJECT - HEALTH/NURSING INFORMATICS & TECHNOLOGY

Time : 03 hr

Marks : 75

Question 1 : Multiple choice question

10 marks

1. is an external command.
a. CHKDSK b. VER c. CLS
2. A pictorial representation of data.
a. design b. chart c. none of these
3. file containing a group of worksheets related to each other.
a. Document b. workbook c. slide
4. informatics is used directly in the clinical setting to provide patient care.
a. Clinical b. Safety c. none of these
5. informatics is the application of the knowledge of informatics in the field of healthcare as a whole.
a. Nursing b. Health c. none of these
6. is used of communication and information technology to monitor the condition of patient remotely.
a. Telehealth b. Telemedicine c. Telemonitoring
7. a type of internal command.
a. DATE b. TREE c. BACKUP
8. operating system is not a graphical user interface.
a. Windows NT b. MS-DOS c. Windows 98
9. used to enter data in the computer.
a. Input devices b. output devices c. memory
10. is command line operating system.
a. MSDOS b. Windows c. none of these



Question 2. Answer the following (any 5)

15marks

1. How Telenursing differs from Telemedicine?
2. Enumerate any 5 features of Windows 10?
3. Name and explain any 5 external commands of MSDOS?
4. Enumerate the advantages of nursing informatics.
5. Enlist the branches of health informatics.
6. State any 4 internal commands.
7. Write difference between MS DOS and Windows Operating system.

Question 3. Answer in shorts.(any 5)

30marks

1. How many features does the office button offer? Name and explain them.
2. Enumerate the barriers in ebhi.
3. Write in detail about the components of nursing informatics by ANA.
4. Enumerate the advantages of knowledge management.
5. How internet communication software are beneficial in nursing profession?
6. Describe in detail about Windows 7, 8 and 10.
7. Draw activity diagram for Material Management .

Question 4. Long Answer (Any 1)

10 marks

1. 2.Explain in details about the components of nursing informatics by ANA.
- 2.Explain in details about the role of nurse informatician in public health sector.

Question 5. Write the full form of the following.

10 marks

1. LAN :
2. HIE :
3. WAN :
4. AMIA :
5. HMS :
6. HIPAA :
7. HTECH ACT :
8. CINAHL :
9. HMS:
10. DIKW :



First Semester B.Sc. (Nursing) (2022) Examination,
Winter - 2024 Phase - III

APPLIED SOCIOLOGY & APPLIED PSYCHOLOGY

Total Duration : Section A+B+C = 3 Hours

Section B&C Marks : 62

SECTION - B & SECTION - C

- Instructions :**
- 1) Use black ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an **attempt to resort to unfair means**.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover the entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all section B & C.

SECTION - B

2. **Long Answer Questions (any one out of two) :** **[1 × 10 = 10]**
 - a) Enumerate about structures of Indian population and health problems.
 - b) What is the meaning of Substance abuse. Explain with examples, the consequences of Substance abuse.
3. **Short Answer Questions (any three out of four) :** **[3 × 5 = 15]**
 - a) Describe the importance of Women's empowerment in society.
 - b) What are the major urban problems and its impact on health?
 - c) "Man is a Social animal" discuss it with appropriate examples.
 - d) Explain the formal and informal social control
4. **Short Answer Questions (Solve any 3 out of 4) :** **[3 × 2 = 6]**
 - a) Define Rationalization
 - b) Define Hallucination
 - c) Define Intelligence.
 - d) What is meant by Aptitude?

SECTION - C

5. Long Answer Questions (any one out of two) : [1 × 10 = 10]

- a) Define Psychology. Explain the relevance of psychology to nursing.
- b) What is ego defense mechanism? Explain any two with examples.

6. Short Answer Questions (Solve any 3 out of 4) : [3 × 5 = 15]

- a) Briefly explain the determinants of attention.
- b) Draw a neat diagram of neuron and label it correctly.
- c) Explain the causes of Mental retardation.
- d) Explain with examples, the importance of environment in behavioral change.

7. Short Answer Questions (Solve any 3 out of 4) : [3 × 2 = 6]

- a) Define Folkways
- b) What do you understand by Child marriage?
- c) What is Population explosion?
- d) What is the meant by Social Welfare?

