

Total Duration: Section A + B = 3 Hours

Total Marks: 75

SECTION - A and SECTION - B

- Instructions: 1) Use blue/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.
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 - 7) Use a common answerbook for all Sections.

SECTION - A (40 Marks)

Short answer question (any five out of six) :

 $(5 \times 5 = 25)$

- a) Characteristics of mentally healthy person.
- b) Types of Attention.
- c) Principles of Perception.
- d) Laws of learning.
- e) Study habits.
- f) Enlist factors influencing Memory.
- 2. Long answer question (any one out of two):

 $(1 \times 15 = 15)$

- a) Define Psychology and explain its scope with reference to Nursing.
- b) Define Attitude. Explain its functions and discuss the development of Attitude.



SECTION – B (35 Marks)

3. Short answer question (any four out of five):

 $(4 \times 5 = 20)$

- a) Freud's topographic structure of Mind.
- b) Degrees of Mental Retardation.
 - c) Defence Mechanism.
 - d) Classical conditioning.
 - e) Primary Motives.
- 4. Long answer question (any one out of two):

 $(1 \times 15 = 15)$

- a) Define personality, enlist its theories and explain any one theory.
- b) What is conflict, write its types. Explain classification of conflicts according to goals.

SECTION - A (40 Marks)

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(1x15=15)

acteneous of merically nearing person

Principles of Percention

d) Laws of learning.

Enlist factors influencing Memory.

Define Psychology and explain its scope with reference to Nursing

b) Define Attitude. Explain its functions and discuss the development of Attitude.



First Basic B.Sc. Nursing Examination, Winter 2018 ANATOMY AND PHYSIOLOGY

			·	PARTY BANK BERN	WEREING TRANS	DATE & COLUMN THE CASE
Tota	Duration : Section /	A + B = 31	Hours	SALLER SERVE	Tota	al Marks: 75
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4	7) Use a c	common answert	ook for all Secti	ons.	mosto -
	a obalisha way s	S	ECTION - A (42	Marks)	Annean Standard	
	Short answer question a) Blood supply of lot b) Sternocleidomas c) Boundaries and co d) Bronchopulmona e) Porta hepatis. f) Structure of uteru g) Stomach bed.	ong bone. toid muscl contents or ry segmen	e. f Popliteal fossa.			(6×5=30)
2.	Long answer question	n (any on	e out of two):			(1×12=12)
	a) Describe shoulde i) Type and Arti ii) Ligaments. iii) Movements a iv) Applied Anato	cular surfa nd muscle	ices.		**************************************	3 3 3 3
	 b) Describe the pare i) Gross structu ii) Blood supply. iii) Nerve supply. iv) Applied Anato 	otid gland re and rela		ng heads :		4 3 3 2

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SECTION - B (33 Marks)

0	Charles and a superior (and fair and of the Co.)	001
3.	Short answer question (any four out of five): (4×5=	=20)
	a) Write a note on structure and functions of Neuron. Draw a neat labelled diagram of Neuron.	Jado
	b) Note on Glomerular filtration rate.	
	c) Note on Rh blood grouping.	
300	d) Give Functions of Placenta.	
	e) Note on Sarcomere.	192
	Language average of the second	12)
4.	Long answer question: (1×13=	=13)
	a) Describe composition and functions of blood. Add a note on Anaemia.	6
	b) Enumerate functions of gastric juice. Describe phases of gastric secretion.	7
	of the market and the OR strained lentlering ment is 51 mortes.	
	The state of the s	
	Long answer question: (1×13=	:13)
	c) Write a note on conduction system of heart. Explain with the help of a neat	*
	diagram.	6
	d) What is Blood Pressure? Enumerate the factors affecting blood pressure. Add a	illa
	note on Bároreceptor mechanism of blood pressure regulation.	7
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First Basic B.Sc. Nursing Examination, Summer 2018 ANATOMY AND PHYSIOLOGY

Total Duration: Section A + B = 3 Hours Total Marks: 75

SECTION - A & SECTION - B

Instructions: 1) Use blue/black ball point pen only.

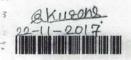
- Do not write anything on the blank portion of the question paper.
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- 7) Use a common answerbook for all sections.

SECTION - A (42 Marks)

1 Short answer question (any six out of seven)	The second secon	
1. Short answer question (any six out of seven):	Hours off adias	(6×5=30)
Lymphatic drainage of mammary gland.		
b) Bronchopulmonary segments.	and the same of the same	
c) Boundaries and contents of femoral triangle.	Explicit property of the second	
d) Constituents of the spermatic cord.	anternalised of th	Will (b
e) Relations of urinary bladder in male.	医11-1249	
f) Sternocleidomastoid muscle.	exactistic rech	MINN (D
g) Sulci and gyri on superolateral surface of cerebrum.		
2. Long answer question (any one out of two):	(1	×12=12)
a) Describe synovial joint under following heads		
i) Definition		2
ii) Characteristics		2
iii) Classification with example	6.	6
iv) Applied anatomy		2
		P.T.O.

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	b) Describe the stomach under following heads	
	i) External features and relations	3
	ii) Blood supply	noite und in 3 T
	iii) Lymphatic Drainage	3
	iv) Applied Anatomy	3
	SECTION - B (33 Marks)	
	(Physiology)	
3.	Short answer question (any four out of five): 75 a) Enumerate the properties of Skeletal muscle and describe any one in detail	(4×5=20)
	b) Compare and contrast between cortical and juxtaglomerular nephron.	
	c) Classify nerve fibers on the basis of conduction velocity and add a note on sa conduction.	altatory
15	d) Draw a well labelled diagram of ECG in lead II and give the normal value the intervals.	s of all
	e) Describe the functions of hypothalamus.	
4.	Long answer question :	(1×13=13)
	a) Define synapse, classify it and enumerate its properties.	6
	b) Describe the mechanism of synaptic transmission.	age morte 7
	OR · · · · · · · · · · · · · · · · · · ·	una las
2	Long answer question :	(1×13=13)
	c) What is the physiological basis of Blood group? Name the various Blood groups	d) Cone
	d) What are the hazards of Blood transfusion ? 144	mele 0 7
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First Basic B.Sc. Nursing Examination, Winter 2017 ANATOMY AND PHYSIOLOGY

Total Duration: Section A + B = 3 Hours

Total Marks: 75

SECTION - A & SECTION - B

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- 7) Use a common answerbook for all sections.

SECTION - A (42 Marks) (Anatomy) 1. Short answer question (any six out of seven): Parollo gland a) Secondary cartilaginous joint. b) Stomach bed. c) Popliteal fossa. d) Bronchcpulmonary segments. Supports of uterus. f) Sternocleidomastoid muscle. g) Muscles of mastication. Long answer question (any one out of two) : $(1 \times 12 = 12)$ a) Describe shoulder joint under the following headings L i) Type and articular surfaces. (2)ii) Ligaments ____ (3)iii) Movements and muscles producing movements (4)iv) Applied anatomy (3)

1(S)=Slov()

b)) Describe parotid gland under the following headings:	
	i) Gross structure and relations	(3)
	ii) Blood supply	(3)
	iii) Nerve supply	(3)
	iv) Applied Anatomy	(3)
ns.	SECTION - B (33 Marks)	
	(Physiology)	
3. SI	hort answer question (any four out of five): (4×5:	=20)
b)) Mechanisms of Blood Pressure regulation.) Spermatogenesis.	
d) e)) Functions of Skin.) Define Diabetes Mellitus and explain Physiological actions of Insulin Hormone.	
	ong answer question. (1×13= Describe the process of Blood Coagulation. Write a note on bleeding time and	=13)
	clotting time. — 133	6
, b)	Describe the Neural regulation of Respiration.	7
	OR Injerior injerior and injeri	
Lo	ong answer question :	40
S	Define GFR. What are the factors regulating GFR?	6
d)	Define and classify immunity. Write a note on role of B Lymphocytes in immunity.	7
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Total Marks: 75

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Total Duration : Section A + B = 3 Hours

First Basic B.Sc. Nursing Examination, Summer 2017 ANATOMY AND PHYSIOLOGY

2) Do not write and If written any attempt to reso 3) All questions 3. 4) The number to 5) Draw diagram 6) Distribution of entire syllabus pattern is a new paper's syllabus that the Quest sake, the distribution of sake, the distribution of sake, the distribution of the continuous conti	hything on the blank portion of the question paper. Ithing, such type of act will be considered as an an ort to unfair means. The right indicates full marks. The within the stipulated frame. The Question paper is within the stipulated frame. The Question paper in any question paper. Students cannot claim the fine is out of syllabus. As it is only for the placement in answerbook for all Sections.
S	ECTION-A
	(Anatomy) (42 Marks)
	AND THE PROPERTY OF THE PROPER
Short answer question (any six out of suits)	f seven): (6x5=30)
a) Boundaries and contents of axilla	
b) Interior of the right atrium	(1980)
(c) Sartorius muscle	Personal Value of the Control of the
d) Primary supports of uterus.	their stated borness make their set seems the
e) Differences between the small int	estine and large intestine.
f) Nerve supply of tongue.	TO HE HOLD SANDER WEST AND A STREET SANDER OF THE SANDER O
g) Morphological and functional divi	sions of cerebellum.
2. Long answer question (any one out	of two) : (1×12=12)
a) Describe rectus sheath under foll	
i) Definition and Features	3
ii) Formation	3
iii) Contents	
iv) Function and Applied anatom	
iv) i unction and Applied anatom	

Na 11 12 12 13 14 14 14 14 14 14 14 14 14 14 14	
b) Describe left kidney under following heads:	
i) Anterior relations	3
ii) Posterior relations	3
iii) Arterial supply	animuO Isla
iv) Venous drainage	2
v) Applied anatomy:	2
SECTION - B	
(Physiology)	(33 Marks)
3. Short answer question (any four out of five):	(4×5=20)
-a) Rh incompatibility. ——[4]	
—b) Puberty.	
c) Composition and Functions of Cerebrospinal Fluid (CSF).	
_d) Actions of Thyroid hormone. Add a note on Hyperthyroidism.	
e) Explain the mechanism of muscle contraction.	
4. Long answer question:	(1×13=13)
Describe the structure, synthesis and functions of Haemoglobin. Add a	note on
Anaemia. 86	7
b) Define Cardiac Output. Explain the factors regulating Cardiac Output.	
OR	April 19 - C
Long answer question :	(1×13=13)
c) Describe the Composition and Functions of Pancreatic juice.	6
 d) Describe transport of Oxygen from lungs to the tissues. Draw a neat labelle of Oxygen-Haemoglobin dissociation curve. 	ed diagram 7
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First Basic B.Sc. Nursing Examination, Winter 2016 ANATOMY AND PHYSIOLOGY

Total Duration: Section A+B = 3 Hours-

Total Marks: 75

Instructions: 1) Use blue/black ball point pen only.

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- 7) Use a common answerbook for all section.

SECTION - "A" (42 Marks)

(Anatomy)

1. Short answer question (any six out of seven):

(6x5=30)

- a) Endoplasmic reticulum.
- (Db) Biceps brachii muscle.
 - c) Popliteal fossa.
- d) Define mediastinum. Mention its division and enumerate contents of superior mediastinum.
- Draw neat labelled diagram of posterior relations of right kidney.
 - f) Structure and functions of skin.
 - g)-Fibremuscular or mechanical supports of the uterus. T

2. Long answer question (any one out of two):

(1x12=12)

- Describe pancreas under following heads
 - i) Relations
 ii) Asbod supply

III) Applied anatomy

(1)

(3)

62501	
b) Describe bones under following treads: i) Classification ii) Blood supply iii) Applied anatomy.	(7) (3) (2)
SECTION – "B" (33 Marks)	
(Physiology)	
 3. Short answer question (any four out of five): a) Role of Skin in Temperature regulation. b) Composition and Functions of Saliva. c) Ovulation. d) Functions of cerebellum. e) Functions of Stomach. 	(4x5=20) —
4. Long answer question: Define Haemostasis and write the functions of Platelets. Enumerate the steps in Haemostasis. Describe the intrinsic pathway of Haemostasis. OR	(1x13=13) - 6 f - 7
Long answer question: c) Define GFR. Explain the factors affecting GFR -d)-Explain briefly the counter current multiplier mechanism of Kidney.	(1x13=13). 6 - 7 _
-d)-Explain briefly the counter current multiplier mechanism of Kidney.	Eleation of



First Basic B.Sc. Nursing Examination, Winter 2016 NURSING FOUNDATION

Total Duration : Section A + B = 3 Hours

Total Marks: 75

SECTION - A and SECTION - B

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SECTION - "A" (40 Marks)

Short answer question (any five out of six) :

(5×5=25)

- a) Characteristics of profession.
- b) Hazards associated with immobility.
- c) Methods of Physical Examination.
- d) Care of terminally ill client.
- e) Factors affecting pain and pain assessment.
- f) Stages of Grieving process.

2. Long answer question (any one out of two):

 $(1 \times 15 = 15)$

- a) Define communication and explain the process of communication. Discuss the barriers to effective communication. Discuss role of nurse in maintaining effective communication with patient.
- b) Explain the steps of nursing process. Discuss the sources of data in assessment phase. Discuss the skills required by a nurse in implementation phase.

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Short answer nucellion (may five out of six);

e) Factors affecting pain and pain assessment

Cong answer question (any one out of two)

SECTION - "B" (35 Marks)

3. Short answer question (any four out of five):

b. Winter 2016

(4×5=20)

- a) Types and functions of hospital.
- b) Purposes of recording and reporting.
- c) Maslow's hierarchy of needs.
- d) Factors influencing health.
- e) Effects of drug on body.
- 4. Long answer question (any one out of two):

metro paper. Students cannot claim

 $(1 \times 15 = 15)$

- a) Discuss different factors affecting rest and sleep. Discuss role of nurse in providing safe and clean environment to the patient.
- Define the term nosocomial infection and explain the chain of infection transmission.
 Discuss in detail the role of nurse in infection control.

sake, the distribution has been done.

7) Use a common answer book for all Sections.

SECTION -: A" (40 Medics)

a) Deline communication and explain the process of communication. Discuss the perfect to effective communication. Discuss rate of nurse in maintaining effective.

b) Explain the stops of nursing process. Discuss the sources of data in assessment

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First Basic B.Sc. Nursing Examination, Summer 2016 NURSING FOUNDATION

Total Duration: Section A+B = 3 Hours

Total Marks:75

SECTION - A & SECTION - B

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 - 7) Use a common answerbook for all Sections.

SECTION - A

(40 Marks)

1. Short answer question (any five out of six):

 $(5 \times 5 = 25)$

- a) Nursing measures to ensure rest and sleep in illness.
- b) Qualities of a Nurse.
- c) Care of dying patient.
- d) Types of comfort devices.
- e) Asepsis.
- f) Routes of drug administration.

2. Long answer question (any one out of two):

 $(1 \times 15 = 15)$

- a) Describe causes of bed sore. Name the pressure points. How will you prevent bed sore in a bed ridden client?
- b) Describe the common problems of mouth cavity. Name the dentifrices used in mouth care. Nursing responsibilities during mouth care of unconscious client.



(35 Marks)

3. Short answer question (any four out of five):

 $(4 \times 5 = 20)$

- a) Nursing as a profession.
- b) Types of records.
- c) Hospice Care.
- d) Care of rubber goods
- e) Indication of Nasogastric tube feeding.
- 4. Long answer question (any one out of two):

 $(1 \times 15 = 15)$

- a) Define nursing process. List down any 5 Nursing Diagnosis. Write down the steps of Nursing Process.
- b) Define Communication. Types of Communication. Barriers of Communication.





First Basic B.Sc. Nursing Examination, Sunfingrated NURSING FOUNDATION

Total Duration : Section A+B = 3 Hours

Total Marks: 75

SECTION - A & SECTION - B

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- 7) Use a common answerbook for all Sections.

SECTION - A

(40 Marks)

Short answer question (any five out of six):

(5x5=25)

- a) Concept of Health: Health illness continuum. until I
- by Health care team U'I
 - c) Mursing as a profession. uni II.
- d) Consumer rights. UT
- e) Assessment of respirations. பல் আ
- f) Maslow's hierarchy of needs. Unit X

2. Long answer question (any one out of two):

(1x15=15)

- a) Discuss meaning of communication, levels, types, modes and methods of effective JUN I communication.
- b) Describe the patients unit. How will you prepare the unit to receive an admission. Write the scientific principles of bed making. UNITITI





SECTION -B

(35 Marks)

Total Durasion : Section Asia - 3 Hours

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3. Short answer question (any four out of five):

(4x5=20)

- a) Types of fever. u VII
- b) Hot water bag application. Unit X
- c) Care of the unit after discharge. VIII
- d) Role of nurse in providing safe and clean environment.
- e) Medical asepsis and surgical asepsis. $\sqrt[n]{X}$
- 4. Long answer question (any one out of two):

(1x15=15)

a) Discuss principles of body mechanics, importance of maintaining normal body alignment and mobility, hazards associated with immobility.

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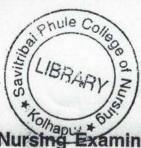
b) Discuss grief and grieving process, signs of clinical death and care of dying patient.

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First Basic B.Sc. Nursing Examination, Summer 2014 NURSING FOUNDATION

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

Section B & C Marks: 60.

SECTION - B & SECTION - C

Instructions: 1) Use blue/black ball point pen only.

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- 3) All questions are compulsory.
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- 7) Use common answer book for all Sections.

SECTION - B

(30 Marks)

2. Answer the following (any five out of six):

(5×3=15)

- a) List down the ethical principles.
- b) Care of patients unit after discharge.
- c) Barriers of effective communication, D
- d) Factors affecting sleep.
- e) Principles of bandaging.
- f) Enlist the different types of enema. X

3. Answer the following (any three out of four):

 $(3 \times 5 = 15)$

- a) Barrier nursing. XI
- b) Hot applications I
- c) Functions of hospital I
- d) Nursing as a profession. II

SECTION - C

(30 Marks)

4. Answer the following (any two out of three):

(2×15=30)

- a) Define nursing. Discuss the importance of records and reports. Explain the steps of nursing process.
- b) Enlist the methods of oxygen administration. List the Indication of oxygen administration. Discuss the Nurses responsibility in oxygen administration.
- c) List down the methods of medicine administration. Explain the rights of medicine administration. Write the Nurses responsibility in administration of drugs.

First BASIC B.SC. NURSING, Winter 2014

Nursing Foundation

Total Durataion: Section A+B = 3 Hours

Section - A & Section - B

College 62503 Roule College 62503 College Formation Formation Formation From Front Page 1975 Total Marks: 75

Instructions:

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

Section "A" (40 Marks)

1. Short answer question (any five out of six):

(5x5=25)

- a) Purposes of recording and reporting 'VI
- b) Effects of heat application. S
- c) Hazards associated with immobility Z
- d) Golden rules of bandaging XIII
- e) Standard safety measures
- f) Types of enemas

2. Long answer question (any one out of two):

(1x15=15)

- Mr. Raju is admitted in medical ward with unconscious state. Answer the following
- a) List different pressure points in different positions.(5) Write preventive measures of pressure sore
 (5) Write complications of neglected oral hygiene.(5)
- b) Define nursing process.(2) Enlist steps in nursing process.(5) Prepare nursing care plan with two priority needs for a patient with severe diarrhea and vomiting (8)

Section "B" (35 Marks)

3. Short answer question (any four out of five):

(4x5=20)

- a) Maslow's hierarchy of needs
- b) Measures to promote rest and sleep X
- c) Factors influencing communication
- d) Impact of illness on client
- e) Care of dying patient



4. Long answer question (any one out of two):

(1x15=15)

Write qualities of nurse (5) Describe ethical principles in nursing (5) Explain nurse patient relationship. (5)

Write various routes of administration of drug.(5) Enlist factors influencing drug action (3) Explain classification of drug(4) Write principles used in oral medication.(3)

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(35 Marks)

3. Short answer question (any four out of five):

(4×5=20

- (a) Classify culture media with example.
- b) Difference between Active and Passive immunity.
- Biomedical waste segregation
 - d) Bacterial Flagella.
- e) Define carrier. Explain different types with examples.
- 4. Long answer question (any one out of two):

(1×15=15)

- a) Define Sterilization and Disinfection. Write characteristics of good disinfectant. Describe uses, structure, functioning of Hot air oven.
- Enlist organisms causing respiratory tract infection. Write in detail about pathogenesis and laboratory diagnosis of Tuberculosis.



First Basic B.Sc. Nursing Examination, Summer 2018 NUTRITION AND BIOCHEMISTRY

Total Duration: Section A + B = 3 Hours



SECTION - A & SECTION - B

- Instructions: 1) Use blue/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.

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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 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 all Sections.

SECTION - A (45 Marks) (Nutrition)

1. Short answer question (any five out of six) :

 $(5 \times 5 = 25)$

- a) Factors affecting calcium absorption.
- b) Factors affecting Basal metabolic rate.
- c) Assessment of nutritional status in children.
- d) Classification of Carbohydrates.
- e) Balanced diet.
- f) Food Adulteration.

2. Long answer question (any two out of three):

(2x5=10)

- a) Role of nurse in nutritional program.
- b) Malnutrition.
- c) Functions of Proteins.

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Total Duration : Section A + B = 3 Hours

1. Short answer question (any five out of six):

2. Long answer question (any two out of three)

3. Short answer question (any two out of three):

 $(2 \times 5 = 10)$

- a) Functions of Vitamin D. MEHODIE CMA MODIFICATION
- b) Regulations of water metabolism.
- c) Methods of Cooking.

SECTION - B (30 Marks) (Biochemistry)

Short answer question (any four out of five):

 $(4 \times 5 = 20)$

- a) Factors affecting absorption of Calcium. Func of iron.
- b) Structure and functions of cell membrane.
- c) Write a note on transamination and deamination reactions in protein metabolism.
- d) Functions and deficiency manifestations of Vitamin C.
- e) Factors regulating blood sugar level.

5. Long answer question (any one out of two):

 $(1 \times 10 = 10)$

a) Describe in detail about beta oxidation of fatty acid. Add a note on its energetics.

SEGIJON - A (45 Marks)

b) Define enzymes. Explain in detail factors affecting enzyme action.



First Basic B.Sc. Nursing Examination, Winter 2018 NUTRITION AND BIOCHEMISTRY

Total Duration: Section A+B = 3 Hours

Total Marks: 75

SECTION - A and 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.
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- 7) Use a common answerbook for all Sections.

SECTION – A (45 marks) (Nutrition)

Short answer questions (any five out of six) :

 $(5 \times 5 = 25)$

- Functions and absorption of fats.
- b) Principles of serving food.
- c) Body Mass Index.
- d) Kwashiorkor.
- e) Fluid Diet.
- f) Over hydration.
- 2. Long answer questions (any two out of three):

 $(2 \times 5 = 10)$

- a) Vitamin 'A' deficiency program.
- b) Write in brief about Energy.
- c) Importance of protein in children.



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2. Long answer questions (any two out of three)

a) Vitamin 'A' deficiency program.

c) importance of protein in children

b) Write in brief about Energy.

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c) Body Mass Index.

Wysshiorkon

1) Over hydration.

3. Short answer questions (any two out of three):

 $(2 \times 5 = 10)$

- a) Functions and deficiencies of Vitamin 'C'.
- b) Role of nurse in nutrition education.
- c) Digestion, absorption, storage and metabolism of carbohydrates.

SECTION – B (30 marks) (Biochemistry)

4. Short answer questions (any four out of five) :

 $(4 \times 5 = 20)$

- a) Structure and functions of Cell Membrane.
- b) Functions and deficiency manifestations of Vitamin D.
- c) Role of buffers in maintaining acid base balance.
- d) Functions of cholesterol.
- e) Competitive inhibition of enzymes.

5. Long answer questions (any one out of two):

 $(1 \times 10 = 10)$

- a) Describe Pentose Phosphate Pathway of Glucose oxidation. What is its Significance?
- b) Describe steps of Urea cycle.



(4x5=20)

First Basic B.Sc. Nursing Examination, Summer 2018 NUTRITION AND BIOCHEMISTRY

Total Duration: Section A + B = 3 Hours

Total Marks: 75

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SECTION - A & SECTION - B

Instructions: 1) Use blue/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.
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 - 7) Use a common answerbook for all Sections.

SECTION - A (45 Marks)

		(Nutrition)			
1.	Sh	ort answer question (any five out of six):		(5×5=25)	
	a)	Factors affecting calcium absorption.			
	b)	Factors affecting Basal metabolic rate.			
	c)	Assessment of nutritional status in children.			
	d)	Classification of Carbohydrates.	1		
	e)	Balanced diet.			
	f)	Food Adulteration. 75			

Long answer question (any two out of three):

· (2×5=10)

- a) Role of nurse in nutritional program.
- b) Malnutrition.
- c) Functions of Proteins.

(Sx5=25)

(2x5=10)

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Potal Duration: Section A - D a 8 Hours

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e) Fectors affecting calcium absorption.

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Factors affecting Base metabolic rate.

Long III one snawer question rank two out of three)

III No 3.7 Role chruise in nuigilional program.

C) Functions of Proteins.

Charlingtion of Carbenydrates

e) Balanced diet

D Matnutrition.

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3. Short answer question (any two out of three) : First Basic B.Sc Niesing, Expount

(2x5=10)

- a) Functions of Vitamin D.
- b) Regulations of water metabolism.
- c) Methods of Cooking.

SECTION - B (30 Marks) (Biochemistry)

HOME ON A HOSTER UN

from vertical Use blue black ball point per only 4. Short answer question (any four out of five):

 $(4 \times 5 = 20)$

- a) Factors affecting absorption of Calcium.
- b) Structure and functions of cell membrane.
- c) Write a note on transamination and deamination reactions in protein metabolism.
- d) Functions and deficiency manifestations of Vitamin C.
- e) Factors regulating blood sugar level.

Long answer question (any one out of two):

 $(1 \times 10 = 10)$

a) Describe in detail about beta oxidation of fatty acid. Add a note on its energetics.

SECTION - A (45 Marks)

(TOLKYRMA)

b) Define enzymes. Explain in detail factors affecting enzyme action.



First Basic B.Sc. Nursing Examination, Winter 2017 **NUTRITION AND BIOCHEMISTRY**

otal Duration : Section A + B = 3 Hours

Total Marks: 75

SECTION - A & SECTION - B

- Instructions: 1) Use blue/black ball point pen only.
 - 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.
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 - 7) Use a common answer book for all Sections.

SECTION - A (45 Marks)

Nutrition

Short answer question (any five out of six):

(5×5=25)

- (a) Integrated Child Development Scheme (ICDS)
 - b) Classification of
 - c) Discuss principles of cooking.
 - Factors affecting iron absorption.
 - e) Weaning.
 - National Iodine Deficiency Disorder Programme.
- Long answer question (any two out of three):

(2x5=10)

- a) Define malnutrition. Describe the clinical features of severe protein energy malnutrition.
- b) Describe the Classification and functions of fats.
- Write classification of vitamins, functions and deficiency of vitamin C

INDUSTRIES.

(2×5=10)

- 3. Short answer questions (any two out of three):
 - a) Food adulteration and its prevention. 75-76
 - b) Therapeutic diet for a patient with hypertension.
 - c) Dietary management of patient with dehydration.

SECTION - B (30 marks)

MONTORES A MERESSE

Biochemistry

- 4. Short answer question (any four out of five) :
 - a) Structure and functions of Mitochondria.
 - b) Functions and deficiency manifestations of Vitamin A
 - c) Transamination reactions.
 - d) Classification of Enzymes with suitable examples.
 - e) Functions of front

(Olividae)

- 5. Long answer question (any one out of two):
 - Describe regulation of Blood Sugar levels.
 - b) Describe steps in beta oxidation of fatty acids.

 $(4 \times 5 = 20)$

(1×10=10)

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