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M-2688

B.Sc. (Nursing) (First Year)

Examination, 2019

ANATOMY AND PHYSIOLOGY

Paper - I

Time Allowed : Three Hours] [Maximum Marks : 75

Section - A

(Anatomy) 37

1. (a) Define tissues, describe the types of tissues. 8
- (b) Define Joint, explain the classification of Joints. 7
2. (a) Write the structure of heart with diagramme. 8
- (b) Structure of Male reproductive system with diagramme. 7

P.T.O.

(2)

3. Write a short note on any **one** of the following: 7
- (a) Structure of kidney
 - (b) Structure of Ear.
 - (c) Pituitary gland

Section - B

(Physiology) 38

4. (a) Write the functions of liver and gall bladder. 8
- (b) Regulation of respiration. 7
5. (a) Write cerebrospinal fluid composition, circulation and function. 8
- (b) Explain cardiac cycle. 7
6. Write a short notes on any **one** of the following: 8
- (a) Antibodies
 - (b) Reproduction of cells - DNA.
 - (c) Fluid and electrolyte balance.

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MICROBIOLOGY

Paper - V

Time Allowed : Three Hours] [Maximum Marks : 75

Note : Attempt **all** questions.

1. Define microbiology and explain importance of microbiology in nursing. 15
2. (a) Enumerate the disinfection technique used in hospital. 7
(b) What are the role of nurse in Hospital infection control. 8
3. (a) Draw a level diagram of structure of bacterial cell. 8
(b) Explain bacterial growth curve. 7

P.T.O.

(2)

4. Write the difference between: $3 \times 5 = 15$

- (a) Auto claving and Boiling
- (b) Active and Passive Immunity
- (c) Gram Positive and Gram Negative Cocci

5. Short notes on any **three** of the following :

$5 \times 3 = 15$

- (a) Gram Positive bacilli
- (b) Disinfection
- (c) Standard safety measures
- (d) Chemotherapy
- (e) Viruses

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B.Sc. (Nursing) (First Year)

Examination, 2019

NURSING FOUNDATION

Paper - III

Time Allowed : Three Hours] [Maximum Marks : 75

1. (a) Define the term Decubitus ulcer. 2
- (b) What are the causes and risk factors of Decubitus ulcer. 5
- (c) How you will prevent decubitus ulcer in an unconscious patient? 8
2. (a) What are the various routes by which the medication may be administered. 5
- (b) What point would you keep in mind while giving medicine orally? 5
- (c) Enlist the Rights of Drug administration. 5

P.T.O.

(2)

3. (a) What are the objectives of Restraints? 3
(b) Describe the various types of restraints used for patient admitted in hospital. 6
(c) Write down the role of Nurse in providing safe and clean environment. 6
4. (a) Define infection and describe chain of infection. 5
(b) What health education will you give to your patient to prevent nosocomial infection? 5
5. Write short notes on any 3 of the following. 3×5=15
(a) Code of Ethics
(b) Care of Rubber goods
(c) Admission Procedure
(d) Inventory
(e) Types of Record

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(3)

6. Write in full form of the following abbreviations : 10×½=5
(a) P.C.
(b) Q.I.D.
(c) H.S.
(d) SYP
(e) Lig
(f) O₂
(g) B.I.D.
(h) S.O.S.
(i) O.M.
(j) P.R.N

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(4)

Objective Type

7. Fill in the blanks : 1×5=5
- (a) Vit B₁₂ contain ring.
 - (b) Chemical name of vit E is
 - (c) Glucokinase Enzyme is present in
 - (d) Power house of the cell is
 - (e) Fat is made of and Glycerol.

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B.Sc. (Nursing) (First Year)

Examination, 2019

NUTRITION AND BIOCHEMISTRY

Paper - II

Time Allowed : Three Hours] [Maximum Marks : 75

Section - A

(Nutrition)

45

- 1. (a) Define BMR and discuss the factors affecting BMR. 8
- (b) Explain BMI (Body Mass Index) 7

Short Answer Type

2. Write in brief on any **four** of the followings:

5×4=20

- (i) Functions of Fat
- (ii) Food adulteration

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- (iii) Principles and methods of cooking
- (iv) Nutritional programme
- (v) Water soluble vitamins
- (vi) Role of vitamin K in blood co-agulation.

Objective Type

3. Match the followings: $1 \times 5 = 5$

- | | |
|-------------------------|----------------------------|
| (a) Beri-Beri | (1) Amino acid |
| (b) Carbohydrate | (2) Vitamin B ₁ |
| (c) Folic acid and iron | (3) Glycerol |
| (d) Muscle contraction | (4) Calcium |
| (e) Protein | (5) Glucose |
| | (6) Vit. K. |

4. Fill in the blanks: $1 \times 5 = 5$

- (a) Glucose is sugar.
- (b) Rickets is due to deficiency of
- (c) Starch is a
- (d) Scurvy is due to deficiency of
- (e) Amino acid is a unit of

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(3)

Section - B

(Biochemistry) 30

Long Answer type

- 5. (a) Draw the labelled diagram of cell and enlist their organelles. 5
- (b) Discuss the citric acid cycle. 5

OR

- (a) Define cell and differentiate the Prokaryote & Eukaryote. 5
- (b) Discuss Glycolysis cycle. 5

Short Answer Type

- 6. Write short notes on any **three**: $5 \times 3 = 15$
 - (a) Protein classification
 - (b) Antioxidants
 - (c) Vitamin D
 - (d) Urea Cycle

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B.Sc. (Nursing) (First Year)

Examination, 2019

PSYCHOLOGY

Paper - IV

Time Allowed : Three Hours] [Maximum Marks : 75

1. (a) Define psychology and explain the methods of psychology. 10
(b) Discuss the importance of psychology in Nursing. 5
2. (a) What is learning and discuss various types of learning? 10
(b) Explain laws and theories of learning. 5
3. (a) Define Intelligence and discuss in brief about theories of Intelligence. 10
(b) Discuss types of Intelligence. 5
4. (a) Define Mental hygiene and discuss the concept of mental hygiene. 10
(b) Discuss warning signs of poor mental health. 5

P.T.O.

(2)

5. Write short notes on any **two**: $5 \times 2 = 10$

- (a) Attention
- (b) Perception
- (c) Body Mind Relationship
- (d) Psychological tests

6. State true or false of the following statements:

$1 \times 5 = 5$

- (a) Aristotle described mind as a function of bodily processes.
- (b) Hilhelm Wundt is called the "Father of psychology".
- (c) Displacement means to substitute the real object of one's feelings which are often aggression with another object.
- (d) Conflict is a part of Aggression.
- (e) Adaptation Theory is given by GB Allport (1887-1967).

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