



BCH-20103 Seat No. _____

Second Year B. Sc. (Basic) Nursing Examination

January – 2016

Pharmacology, Pathology & Genetics

Time : 3 Hours]

[Total Marks : 75]

SECTION - I (Pharmacology)

1	Long essay : (any one out of two)	$1 \times 15 = 15$
(1)	(a) Define and classify Asthma and Anti-Asthmatic drugs with suitable examples. Write down detail pharmacology on Bronchodilators.	10
	(b) Nursing care during Anti-asthmatic drug therapy.	5
(2)	(a) Define and classify anti-hypertensive and anti-arrhythmic drugs with suitable examples.	5
	(b) Role of ACE inhibitors in Hypertension.	5
	(c) Nursing care in the Prevention of Hyperlipidemia.	5
2	Short essay : (any three out of five)	$3 \times 5 = 15$
(1)	Define and classify oral hypoglycaemic drugs with two examples from each class.	
(2)	Differentiate Pharmacokinetic and Pharmacodynamics.	
(3)	Discuss pharmacology of oral contraceptives.	
(4)	Write down nursing care of following drugs :	
	(a) Streptomycin	
	(b) Tetracycline	
(5)	Enlist different factors affecting absorption of drug. Discuss any three factors in detail.	
3	Short notes : (any four out of six)	$4 \times 2 = 8$
(1)	Enlist different laws for drugs.	
(2)	Enlist the name of organs from where drugs are excreted and metabolized.	
(3)	Classify types of Angina Pectoris.	
(4)	Write down physiological importance of Calcium Iodine.	
(5)	Write a brief pharmacology on Penicillin-G.	
(6)	Nursing care during use of Emetics.	

SECTION - II (Pathology & Genetics)

4	Long essay : (any one out of two)	$1 \times 10 = 10$
(1)	(a) Define Tuberculosis	2
	(b) Explain Pathogenesis of Tuberculosis.	8
(2)	(a) Define Pathology	2
	(b) Importance of Pathology	3
	(c) Methods of Techniques.	5
5	Short Essay : (any three out of five)	$3 \times 5 = 15$
(1)	Bone healing	
(2)	Necrosis	
(3)	Morphology of Peptic Ulcer	
(4)	Difference between Benign and Malignant Tumor	
(5)	Explain examination of Urine in Laboratory.	
6	Short answer : (Compulsory)	$6 \times 2 = 12$
(1)	Difference between Mitosis and Meiosis	
(2)	Mutation	
(3)	Gene Therapy	
(4)	Types of neural tube defects	
(5)	Inborn errors of metabolism	
(6)	Structure of DNA.	
