



JCR-020103

Seat No. _____

Second Year Basic B. Sc. (Nursing) Examination

February - 2020

Pharmacology, Pathology & Genetics

Time : 3 Hours]

[Total Marks : 75

- Instructions :**
- (1) Answer to the point.
 - (2) Figure to the right indicates marks.
 - (3) Write legibly.
 - (4) Draw diagrams wherever necessary.
 - (5) Use separate answer books for each section.

SECTION - I
(PHARMACOLOGY) (38 MARKS)

1 Long Essay : (any one out of two) 1×15=15

- (1) (a) Define and classify Asthma and Anti-Asthmatic drugs with suitable examples. 2
- (b) What do you mean by Expectorants, Bronchodilators and Mucolytics ? Explain role of each in very brief with suitable examples. 8
- (c) Discuss nursing care during Anti-Ashmatic drug therapy. 5

OR

- (2) (a) Classify Anti-epileptic drugs. 7
- (b) Write mechanism of action, adverse effects, nurses role and therapeutic uses of phenytoin sodium. 8

2 Short essay : (any three out of five) 3×5=15

- (1) Enlists the name of different routes for drug administration. Write merit and demerits of intravenous route.
- (2) Immunosuppressants.
- (3) Antihypertensive drugs in shorts.
- (4) Discuss pharmacology of oral contraceptives.
- (5) Anti-cancer drugs.

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- 3 Answer in brief : (any four out of six) 4×2=8
- (1) Narcotic analgesics Vs Non Narcotic analgesics.
 - (2) Local Anaesthetics Vs General Anaesthetics.
 - (3) Bacteriocidal and Bacteriostatic.
 - (4) Define diuretics with examples.
 - (5) Topical Application
 - (6) AYUSH.

SECTION - II
(PATHOLOGY & GENETICS) (37 MARKS)

- 1 Long Answer Question : (any one) 2+8=10
- (a) Define Atherosclerosis.
 - (b) List out the causes and effect of atherosclerosis.

OR

- (a) Define Anaemia.
 - (b) Enumerate various methods of Haemoglobin estimations and describe any one in detail.
- 2 Short Essay Questions : (any three) 3×5=15
- (a) Urine examination
 - (b) Karyotyping of genes
 - (c) Genetic counseling
 - (d) Clinical methods of Blood grouping
 - (e) Laboratory investigations for HIV/AIDS

- 3 Very Short Essay Questions : 6×2=12
- (1) Differentiate between mitosis and meiosis.
 - (2) Enumerate Liver function tests (LFT).
 - (3) Enumerate four parasites seen in the stool examination.
 - (4) Name four chemical mediators of inflammation.
 - (5) Enumerate merits of chorionic villus biopsy.
 - (6) Describe Eugenics.