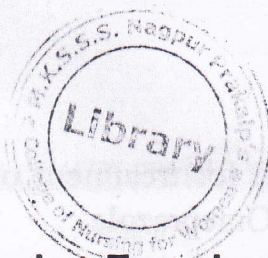


[Total No. of Pages : 3

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**Second Basic B.Sc. Nursing Examination, Summer - 2021**  
**PHARMACOLOGY, PATHOLOGY & GENETICS**

Total Duration : 3 Hours

Total Marks : 75

- 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.**
  - 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 answer book for all sections.

**SECTION - "A" (40 Marks)**  
**Pharmacology**

1. Short answer question (any five out of six) : [5 × 5 = 25]
- a) What are the various routes of administration of drugs? What are the advantages and disadvantages of intravenous route.
  - b) Mention various drugs used for treatment of tuberculosis. Discuss the uses and adverse effects of Rifampicin.
  - c) Classify benzodiazepines. Mention therapeutic uses of Diazepam.

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- d) Classify drugs used for treatment of Acid Peptic diseases. Mention therapeutic uses of Omeprazole. p r s v
- e) Mention the life saving uses of atropine. Discuss the role of atropine substitute glycopyrrolate in pre-anesthetic medication.
- f) Classify various drugs used for treatment of diabetes Mellitus. Mention important nursing precautions to be taken during insulin therapy.

2. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Classify various anti-hypertensive drugs. Discuss the therapeutic uses, adverse effects of Beta blockers. N.C.P.M
- b) Classify NSAIDs (Non steroidal anti-inflammatory drugs). Mention therapeutic uses and adverse effects of NSAIDs. Write 4 differences between Opioid and Non-opioid analgesics.

SECTION - "B" (29 Marks)

**Pathology**

3. Short answer question (any four out of five) : [4 × 5 = 20]

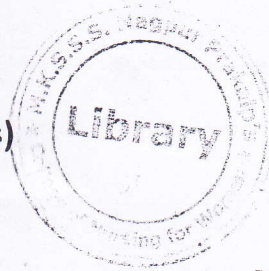
- a) Define Metaplasia. Give four examples.
- b) Write a brief account of Benign prostatic hyperplasia.
- c) Define Chronic bronchitis and write in brief about its pathogenesis.
- d) Laboratory investigations in Myocardial infarction.
- e) Chemical mediators of inflammation.

4. Long answer question (any one out of two) : [1 × 9 = 9]

- a) Define Acute Inflammation. Discuss cellular events in acute inflammation.
- b) Classify Ovarian tumours. Mention the types of teratoma & briefly describe mature cystic teratoma of ovary.

SECTION - "C" (06 Marks)

**Genetics**



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

**[2 × 3 = 6]**

- a) Mendelism.
- b) Kinefelter's syndrome.
- c) X-linked recessive inheritance.

