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Reg. No.....

Name.....

**SECOND YEAR M.Sc. (MEDICAL ANATOMY) DEGREE  
EXAMINATION, APRIL 2023**

Anatomy—IV

GROSS ANATOMY, MICRO ANATOMY, DEVELOPMENT AND ASPECTS OF GASTRO  
INTESTINAL TRACT, URINARY SYSTEM

(2020 Admission Regular, 2015—2019 Admissions Supplementary and  
Prior to 2015 Admissions—Mercy Chance)

Time : Three Hours

Maximum : 100 Marks

*Answer Sections A and B in separate answer-books.  
Draw diagrams wherever necessary.*

**Section A**

I. Answer any *two* of the following :—

- 1 Describe the surfaces, ligaments, relations and microscopic structure of liver.
- 2 Describe the parts and peritoneal connections of large intestine.
- 3 Describe the extent, muscles, nerve supply relations of pharynx.

(2 × 15 = 30 marks)

II. Write briefly on :

- (a) Stomach.
- (b) Urinary bladder.

(2 × 10 = 20 marks)

**Section B**

III. Write short notes on any *ten* :

- |  |                                      |
|--|--------------------------------------|
| (a) Second part of duodenum.             | (b) Microscopic structure of kidney. |
| (c) Parotid gland.                       | (d) Pancreas.                        |
| (e) Male urethra.                        | (f) Spleen.                          |
| (g) Midgut derivatives.                  | (h) Portal vein.                     |
| (i) Tongue.                              | (j) Ureters and its blood supply.    |
| (k) Microscopic structure of oesophagus. | (l) Coeliac artery.                  |

(10 × 5 = 50 marks)

