

QP Code: 101502

Reg. No.:.....

**D.M. (Gastroenterology) Degree Supplementary Examinations
March 2022**

Paper I – Basic Sciences

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Discuss the functions of intestinal microbiota in healthy individuals. What are the tools available to study the intestinal microbiota.

Short essays:

(8x10=80)

2. Hepatic venous pressure gradient
3. Physiology of defecation
4. Pancreatic enzyme supplements – indications and mechanism of action
5. Meckel's diverticulum
6. Genetics of Wilson's disease
7. Gastrin
8. Non-invasive tests for liver fibrosis
9. Hepatic stem cell
