

QP Code: 101502

Reg. No.:.....

**D.M. (Gastroenterology) Degree Supplementary Examinations
January 2019**

Paper I – Basic Sciences

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Outline the nutritional assessment of a hospitalized adult. Discuss the complications of parenteral nutrition.

Short essays: (8x10=80)

2. Structure of the hepatocyte
3. Budesonide
4. Virulence factors of helicobacter pylori
5. Duodenal biopsies in malabsorption states
6. Copper metabolism in health
7. Life cycle of echinococcus granulosus
8. Mechanisms of cellular level cholestasis
9. Sphincter of Oddi
