

U.G. 4th Semester Examination - 2021**PHYSIOLOGY****[HONOURS]****Course Code : PHYSIOL-H-CC-T-9**

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions: 1×5=5
 - a) What are antivitamins?
 - b) What is Peyer's patch?
 - c) What is hypervitaminosis 'D'?
 - d) What is goblet cell?
 - e) What is function of Villi?
 - f) Which vitamin is synthesized from sun-light?
 - g) What are the crypts of Liberkuhn?
 - h) From which cells HCL is secreted?
2. Answer any **one** question: 5×1=5
 - a) Write the role of vitamin-K in human body.
What is the effect of its deficiency?

- b) Write short notes on :
 - i) Ricket
 - ii) Osteomalacia
- c) What is gastrin? What is its function?

3. Answer any **one** question: 10×1=10
 - a) i) What is the function of enterokinase secreted from intestinal epithelium cells?
ii) Describe the digestion and absorption of protein. 2+8=10
 - b) Write the sources, physiological functions and the deficiency symptoms of vitamin C. 10
 - c) i) What do you understand by basic electrical rhythm found in the smooth muscle of intestine?
ii) Name two intrinsic nerve plexuses present in gI tract.
iii) Describe the intestinal movement in brief. 2+2+6=10
