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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION- Sept.2017
B.Tech VII Sem and MTech III sem

COURSE CODE: 14M1WBT331

MAX. MARKS: 15

COURSE NAME: Food processing and Engineering

COURSE CREDITS: 03

MAX. TIME: 1Hour

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

- Q1. *In vitro* gut simulation techniques offer many advantages over *in vivo* trials. Comment on the statement with proper justification (3)
- Q2. Define the protocols for generation of bioactive peptides and elaborate on the different characteristics of those peptides. (3)
- Q3. Discuss the advantages of incorporating the roughages in our diet. (1)
- Q4. Butyrate is the major SCFA produced via fermentation in the gut. Discuss the health benefits offered by butyrate (2)
- Q5. Suggest if PUFA rich diets can be taken as cardioprotective diet. Justify your answer with suitable mechanisms suggested for these effects (3)
- Q6. Define the following terms: (3)
- a) Bioaccessibility
 - b) Bioactivity
 - c) Bioavailability

BT-13, BTMT