

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BHMCT
BRANCH: HMCT

SEMESTER : I
SESSION : MO/19

SUBJECT: HM101 FOOD SCIENCE NUTRITION

TIME:3:00 HOURS

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Describe the stages of glycolysis. [5]
Q.1(b) Point out the importance of lactate production in anaerobic glycolysis and features of glycolysis in RBCs. [5]
- Q.2(a) Explain primary structure of protein. [5]
Q.2(b) Classify simple proteins. [5]
- Q.3(a) Ascertain physical properties of fatty acids. [5]
Q.3(b) Describe ketogenesis. [5]
- Q.4(a) Point out the characteristics of water-soluble vitamins. [5]
Q.4(b) Outline the functions of minerals. [5]
- Q.5(a) Illustrate the growth kinetics of micro-organisms in batch culture. [5]
Q.5(b) Describe bacterial food borne disease Salmonellosis. [5]

::::::02/12/2019::::::E