

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

CLASS: BE
BRANCH: BIO-TECH

SEMESTER : III/ADD
SESSION : MO/16

SUBJECT: BT3021-BIOLOGICAL SCIENCES

TIME: 1.5 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total value of the questions are 30 marks.
 2. Candidates may attempt for all 30 marks.
 3. In those cases where the marks obtain exceed 25 marks. The excess will be ignored.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. The missing data, if any, may be assumed suitably.
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- Q1. (a) What is the basic difference between a living and a non-living thing? [2]
(b) Describe Millers experiment. [3]
- Q2. (a) What do you mean by origin of life? [2]
(b) What do you mean by biogenesis? Give one experimental evidence to support it. [3]
- Q3. (a) Classify Carbohydrates. [2]
(b) Give some deficiency diseases of vitamins and their cure. [3]
- Q4. (a) What do you mean by denaturation of proteins? [2]
(b) Give the difference between DNA and RNA. [3]
- Q5. (a) What is Glycolysis? [2]
(b) Discuss Krebs Cycle. [3]
- Q6. (a) Why Nucleic acid is called an acid? [2]
(b) Give the difference between aerobic and anaerobic respiration. [3]

*****23.09.16*****E