

**R09**

Code No: 09A1BS06

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech I Year Examinations, December-2012

**FUNDAMENTALS OF BIOLOGY**

(Biotechnology)

Time: 3 hours

Answer any five questions

All questions carry equal marks

Max. Marks

Q6

Q6

Q6

1. Compare and contrast a prokaryotic cell from a eukaryotic cell in detail. [15]

2. What is a Single Cell Protein? What are the advantages of Single Cell Protein? [15]

3. Describe different experimental evidences to prove that DNA is a genetic material. [15]

4. Explain the structure and function of axons and neurons in detail. [15]

5. Give an overview of tissue organization of human with different cell types. [15]

6. Explain the classification of the bacteria in detail. [15]

7. Define photosynthesis. Explain the cyclic and non-cyclic photophosphorylation with neat labeled pathway. [15]

8. Explain the protozoan parasite that causes malaria in detail. [15]

Q6

Q6

Q6

Q6

Q6

Q6

Q6

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Q6

