

(Following Paper ID and Roll No. to be filled in your  
Answer Books)

**Paper ID : 154208**

**Roll No.**

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**B.T ECH.**

**Theory Examination (Semester- II) 2015-16**

**REMEDIAL BIOLOGY-II**

***Time : 3 Hours***

***Max. Marks : 100***

**Section-A**

**Q.1 Attempt all parts. All parts carry equal marks. Write answer of each part in Short. (2×10=20)**

- (a) Define the term Lichen.
- (b) Write short note on algae.
- (c) Describe structure of a bacteriophage.
- (d) Write the difference between aerobic and anaerobic respiration?
- (e) What is metabolism?

- (f) Write short note on ATP.
- (g) Write full form of MTP and STDs.
- (h) Define the term immunology.
- (i) Draw well labelled diagram of Prokaryotic cell.
- (j) Define the term enzyme.

### **Section-B**

**Q2. Attempt any five parts. All parts carry equal marks:**

(5×10=50)

- (a) Describe Lipid catabolism.
- (b) Discuss in brief the size, shape and arrangement of bacterial cell.
- (c) Describe ultra structure of mitochondria.
- (d) Differentiate between Glycolysis and kreb's cycle.
- (e) List main difference between Gram negative and Gram positive bacteria.
- (f) Write the factors affecting respiration.

- (g) What is metabolic diversity explain in detail?
- (h) Write a note on population explosion and its adverse affect.

### **Section-C**

**Note: Attempt any two questions from this section.**

(2×15=30)

Q3. Briefly discuss about Cancer and its mode of treatment.

Q4. (a) Give brief idea about Prokaryotic cells.

(b) Explain Eukaryotic Cells.

Q5. (a) Describe Glycolysis in detail.

(b) Explain oxidative Phosphorylation.