

Printed Pages : 2



NBT-201

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

**PAPER ID : 154208**

Roll No.

--	--	--	--	--	--	--	--	--	--

### **B. Tech.**

(SEM. II) THEORY EXAMINATION, 2014-15  
**REMEDIAL BIOLOGY - II**

Time : 3 Hours]

[Total Marks : 100

**Note:** Attempt all questions. All questions carry equal marks.

- 1 Attempt all part of following: (2×10=20)
- (a) Define term Domain Bacteria.
  - (b) List main difference between Gram –ve and Gram +ve bacteria.
  - (c) What are different types of bacterial cell (according to shape)?
  - (d) Name six classes of enzyme.
  - (e) What is Amphibolic Pathway?
  - (f) What is the difference between Aerobic and Anaerobic respiration?
  - (g) Name alternative pathways to Glycolysis.
  - (h) Define Vaccines.
  - (i) Define Natality & Mortality.
  - (j) What are differences between Bacteria and Archaea?

154208]

1

[ Contd...

- 2 Attempt any four parts of following: (4×5=20)
- (a) Describe different types of microorganism,
  - (b) Draw a neat labeled diagram of a Eukaryotic Cell.
  - (c) What are Sexually transmitted disease? Explain.
  - (d) Briefly describe measures to control birth rate.
  - (e) Explain viral multiplication in detail.
  - (f) Define auxotrophs. Mention their advantages.
- 3 Attempt any two parts of the following : (10×2=20)
- (a) Briefly explain the role and importance of microorganism in pharmaceutical production.
  - (b) Explain Light and Dark-Reaction of Photosynthesis.
  - (c) Describe Animal cell in detail supported with a diagram.
- 4 Attempt any two parts of the following : (10×2=20)
- (a) Write a note on population explosion and its adverse effect.
  - (b) Explain cxb's cycle in detail.
  - (c) Write a note on Basic concept of Immuminology.
- 5 Attempt any two parts of the following : (10×2=20)
- (a) What is Metabolic Diversity? Explain in detail.
  - (b) What is AIDS ? How does it spread ? Mention the pecautionary measures.
  - (c) Briefly discuss about Cancer and its mode of treatment.
-