

P. S. SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

Internal Examination

B. Sc. Semester - I

[Mark : 40

8-10-2015]

Introduction to Biotechnology
& Cell Biology (CCC-BT-111)

[1-30 to 3-00

1. Attempted all questions. 10

- (1) Calculate magnification if objective is 45X.
(A) 450 X (B) 4500 X (C) 450 (D) 4500
- (2) Biotechnology is _____ beneficial field.
(A) Non-living (B) living organisms
(C) human society (D) All
- (3) Pharmaceutical sector is known as _____
(A) Green BT (B) White BT (C) Blue BT (D) Red BT
- (4) Powerhouse of cell
(A) Chloroplast (B) Ribosomes (C) mitochondria (D) DNA
- (5) Example of Gram positive bacteria _____
- (6) Subunits Eukaryotic Ribosome _____
- (7) Full Name of DNA _____
- (8) Calculation Formula of NA _____
- (9) Example of Dormant stage of bacteria _____
- (10) Full name of ER

2. Answer any four questions. 20

- (1) Define Biotechnology and applications.
- (2) Explain bacterial cell wall with diagram.
- (3) Explain DNA structure with diagram.
- (4) Differentiate Eukaryotic to prokaryotic cell.
- (5) Describe structure of chloroplast.

3. Answer any one questions. 10

- (1) Describe morphology of bacterial cell.
 - (2) Explain process of mitosis with diagram.
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