

Roll No _____

The H. N. S. B. Ltd. Science College, Himatnagar

Internal Examination October - 2016

B.Sc. Sem-3

Subject: MICROBIOLOGY

Date: 03/10/2016

Marks: 40 Paper CC- MI -301 MICROBIAL PHYSIOLOGY Time: 1½ hr

Part- A) Give any five answer of the Following

J

05

Q-1 The Substances from which requirements of growth are satisfied are called _____

- | | |
|--------------------|--------------------|
| a) Meuco nutrients | b) Macro nutrients |
| c) Micro nutrients | d) Nutrients |

Q-2 Organisms which require growth factors are called

- | | |
|-----------------|------------------------|
| a) Organo troph | b) Autotroph |
| c) paratroph | d) Fastidious organism |

Q-3 Mostly the growth of Bacteria is observed during

- | | |
|---------------------|----------------------|
| a) Lag Phase | b) Exponential Phase |
| c) Stationery Phase | d) Decline Phase |

Q-4 The Mode of action of Penicillin is inhibition/dirupt of _____

- | | |
|---------------------------|----------------------------|
| a) Cell wall synthesis | b) Protein synthesis |
| c) Nucleic acid synthesis | d) Cell membrane structure |

Q-5 Who discovered enzyme _____

- | | |
|----------------|----------------|
| a) Kuhne | b) Mendale |
| c) Thomas Beno | d) Hunt Morgan |

Part -B) Give any five answer of the Following

05

Q-6 Give examples of solidifying agents

Q-7 Give examples of Buffers.

Q- 8 Give examples of Natural Media.

Q-9 Types of Chemotherapeutic agents

Q-10 Give the Examples of B-Lactum antibiotic.

Q-11 Define: Maintenance of Energy

Q-12 What is active sight of Enzyme?

Part- C) Give any three answer of the Following

06

Q-13 Give full form of DCA, EMB

Q-14 Explain Assay Media

Q-15 What is Passive Diffusion

Q-16 Principles of Chemotherapy

Q-17 Describe the methods of synchronous growth

Part- D) Give any four answer of the Following

12

Q-18 Facilitated diffusion

Q-19 Physical and Chemical Properties of Enzyme.

Q-20 Explain Fatty acid.

Q-21 Nutritional classification of bacteria basis on sources of carbon.

Q-22 Classification of bacteria based on temperature.

Part- E) Give any two answer of the Following

12

Q-23 Factors affecting enzyme activity

Q-24 Notes on: carbohydrates

Q-25 Describe: Normal growth curve of bacteria

Q-26 General mode of action of Sulphanilamide

Best of Luck