

Exam No. _____

The H.N.S.B.Ltd. Science College, Himatnagar
Internal Examination November-2017

B.Sc. Semester : I

Subject : Microbiology

Date : 13 /11 /2017

Marks : 40

Paper No.: MB : 101

Time : 12:00 to 1:30

PART : A Answer any Five of Following.

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1. Who has proved the Biogenesis using goose neck flask ?
(A) Edward Jenner (B) Louis Pasteur (C) Francesco Redi (D) Robert Koch
2. Which instrument works based on "dry heat" ?
(A) Pressure cooker (B) Autoclave (C) Hot air oven (D) None of the above
3. Which one of the following is not a method of preservation ?
(A) Lyophilisation (B) Oil overlay (C) Enrichment culture (D) Under low temp.
4. Virology is the study of
(A) Bacteria (B) Fungi (C) Algae (D) Virus
5. Which is not part of Microscope.
(A) Iris diaphragm (B) condenser
(C) Numerical aperture (D) Mechanical Stage with slide holder
6. Crystal violet - Iodine (CV-I) complex formed during
(A) Simple staining (B) Gram's staining
(C) Negative staining (D) None of the above
7. Which are method for isolation of Bacteria ?
(A) Streak Plate (B) Spread plate (C) Pour plate (D) All of the above

PART : B Answer any Five of Following.

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8. Full name of HEPA.
9. Define :- spontaneous generation.

10. Give standard temperature and pressure used in autoclave for sterilization ?
11. What is isolation
12. Define :- preservation
13. Define : sterilization
14. Give any one contribution of Louis pasteur.

PART : C Answer any Three of Following.

15. Describe Koch's postulates.
16. What is Media ? Define selective media and differential media.
17. Principle of autoclave.
18. (1) Disinfectant (2) bactericidal (3) Bacteriostatic

PART : D Answer any Four of Following.

19. What is staining ? Define negative staining.
20. What is isolation ? Enlist technique of isolation.
21. Describe Dark field Microscopy
22. Contribution of Edward Jenner , Salman. A. Waxman , Iwanowsky.

PART : E Answer any Two of Following.

1. What is Biogenesis & A biogenesis's Explain theories which proof of biogenesis
 2. Alcohol – as a chemical agent.
 3. Explain Gram's staining principle.
 4. Enlist technique of preservation and describe any one of it.
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