

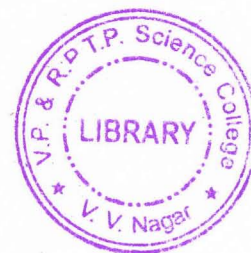
V.P & R.P.T.P. SCIENCE COLLEGE

B.Sc.; Internal Examination

Microbiology,

Applied Microbiology;USO4CMIC02

17.03.2015: Tuesday



Time: 10.30-12.00 noon

TOTAL MARKS:25

N.B. (i) Marks are indicated on the right hand side.

(ii) Attempt all questions.

Q.1. Select the appropriate answer. (03)

(1) In the LTH method of pasteurization milk is heated to

- (a) 141 °F for 30 minutes (b) 161°F for 15 seconds
(c) 145 °F for 30 minutes (d) 143 °F for 30 minutes.

(2) Microorganisms present in the bottom of the sea is known as

- (a) Benthos (b) Plankton
(c) Zooplankton (d) None of these.

(3) The oxidation of ammonia to nitrate is called

- (a) ammonification (b) nitrification
(c) nitrogen fixation (d) none of the above.

Q.2. Attempt any two out of the following questions briefly. (04)

(1) List advantages of microscopic method to determine microbial content of milk.

(2) What are the basis for the methods used commonly for bacteriological examination of water?

(3) Define proteolysis.

Q.3. Write a note on cheese. (06)

OR

Q.3. Write a note on sources of microorganisms in milk. (06)

Q.4.(a) Explain presumptive test in detail. (04)

(b) Define potable water (02)

OR

Q.4. Explain IMViC test. (06)

Q.5. Write a note on nitrogen fixation. (06)

OR

Q.5. Enlist positive interactions among microorganisms . Explain any one In detail. (06)