

Vitthalbhai Patel & Rajratna P.T.Patel Science College V.V. Nagar

Internal Test: 2014(Semester IV)

Date: 11-03-2014

Sub: Microbiology (US04E MIC-01)

Total Marks: - 30

Time: 1-00 to 2-00 p.m.

Q-1 Attempt the following (any three) (06)

- (1) Define: (a) Classification (b) Nomenclature
- (2) Name the divisions of Bergey's Manual of Systematic bacteriology.
- (3) Explain how a healthy human fetus acquires a normal flora.
- (4) What benefits might a human host derive from the normal flora?
- (5) Define Decimal reduction Time & explain what is D value.
- (6) What is Incineration? Where is it used for control of microorganisms?

Q-2 Explain Haeckel's & Whittaker's classification. (08)

OR

Q-2 Explain cultural and antigenic characters in classification. (08)

Q-3 Define infection and explain various types of infection with example. (08)

OR

Q-3 (1) Write notes on Gnotobiotic life. (05)

(2) Explain in brief: "Virulence" (03)

Q-4 Write notes on : (1) Bacteriological filters. (05)

(2) Fractional sterilization. (03)

OR

Q-5 Enlist & Explain different radiations that can be used for control of microorganisms. Comment on the practical application of each. (08)



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