

D 22607

(Pages : 2)

Name

Reg. No.

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2012

(CUCSS)

Microbiology

MB 3E 03—MICROBIAL TAXONOMY

(2010 Admissions)

Time : Three Hours

Maximum Weightage : 36

Section A

*Answer all questions in 2 or 3 sentences.
Each has a **weightage** of 1.*

1. Facultative anaerobe.
2. Oxidase test.
3. DNA chips.
4. R.H. Whittaker.
5. Von Nageli.
6. Triage typing.
7. Ribotyping.
8. Methanobacteria.
9. Agglutination.
10. ELISA.
11. *Chromatium*.
12. Hyperthermophiles.
13. Mollicutes.
14. Bacteriochlorophyll.

(14 x 1 = 14 weightage)

Section B

*Write short notes on any seven.
Each has a **weightage** of 2.*

15. Three kingdom classification.
16. Archae.
17. PCR.
18. Numerical taxonomy.
19. Prokaryotes.
20. Immunoblotting.

Turn over

21. **Characteristics features of Chlamydiae.**
22. **Bergey's Manual of Systematic Bacteriology.**
23. **Halobacteria.**
24. **Photosynthetic bacteria.**

(7 x 2 = 14 weightage)

Section C

*Write in detail about any two.
Each has a weightage of 4.*

25. **Molecular techniques used in taxonomy.**
26. **Important serological tests used in classification.**
27. **Various approaches in Microbial Taxonomy.**

(2 x 4 = 8 weightage)