



K17U 0376

Reg. No. :

Name :

VI Semester B.Sc. Degree (CBCSS-Regular) Examination, May 2017

CORE COURSE IN MICROBIOLOGY

(2014 Admn.)

6B16 MCB : Sanitation Microbiology

Time : 3 Hours

Max. Marks : 40

SECTION – A

(Answer **all** the **four** questions)

1. The bacteria used as indicator of faecal pollution is _____
2. Give an example for a natural ion-exchange resin used in water treatment.
3. Name one gaseous sterilizing agent.
4. The process of removal of all micro-organisms including spores is called _____

(4×1=4)

SECTION – B

(Answer very briefly **any seven** questions)

Comment on the following.

5. Grit removal
6. Biological waste
7. Sewage
8. *Zooglea ramigera*
9. Primary sludge
10. Laminar air flow chamber
11. Ozonization of water

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- 12. Cess pool
- 13. COD
- 14. Coliforms.

(7×2=14)

SECTION - C

(Write short notes on **any four** of the following)

Write short notes on :

- 15. Rotating bio-discs
- 16. Sanitary landfill
- 17. Tertiary sewage treatment
- 18. Indoor air sanitation standards
- 19. Anaerobic sludge digester
- 20. Activated sludge process.

(4×3=12)

SECTION - D

(Answer **any two** of the following)

Write essay on :

- 21. Importance of environmental sanitation and aesthetics.
- 22. Sewage treatment process.
- 23. Design and management of biogas plant.
- 24. Vermi-composting.

(2×5=10)