



GAP-036042

Seat No. _____

B. Sc. (Sem. VI) Examination

March / April – 2019

BSCSE - 605 : Microbiology

***(Microbial Quality Control in food and
Pharmaceutical Industries)***

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) All questions carry equal marks.
(2) Draw a neat and labeled diagram when required.
(3) Write the question numbers clearly

- 1. Write on any two of the following** **14**
1. Good microbiological practices
 2. Biosafety levels
 3. Autoclaving and incineration as a method of discarding biohazard waste.
 4. Principles of blood bank
- 2. Write on any two of the following** **14**
1. Biochemical tests and its importance in identification of pathogen
 2. LAL test
 3. Sterility testing of pharmaceutical products
 4. Biosensor
- 3. Write on any two of the following** **14**
1. Salmonella – shigella agar media
 2. Saboraud agar
 3. XLD agar media
 4. Milk collection center and test performed
- 4. Write on any two of the following** **14**
1. Principles of HACCP
 2. Limitation of HACCP
 3. Microbial standards of food
 4. BIS standard of drinking water

5. Write in one or two sentences

14

1. Mention two GLP.
 2. Give example of biosafety cabinets
 3. What is disinfection?
 4. Give one name of manufacturer of autoclaves.
 5. Give two names of protective clothing used in pharmaceutical industries.
 6. Give an example of nucleic acid probes.
 7. Give importance of mannitol sugar media.
 8. What is enrichment technique?
 9. Give two examples of hazardous waste?
 10. Give example of leuco dye.
 11. Where is the headquarter for FSSAI?
 12. Give the use of dye in EMB media.
 13. What is the advantage of rapid detection method in checking milk quality?
 14. Give two criteria for deciding biosafety levels
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