Total No. of Questions: 16] [Total No. of Printed Pages: 3

SEMM-218

M.Sc. (IInd Semester) Examination, 2022 MICROBIOLOGY

Paper - FS-MIC-CC-202

(Bioinstrumentation)

Note :- 1½ Hours][Maximum Marks : 40Note :- The question paper contains three Sections.Section-A(Marks : $1 \times 10 = 10$)Note :- Answer all the ten questions (Answer limit 50 words). Each question carries

Section–B (Marks : $3 \times 5 = 15$)

Note: Answer any *five* questions by selecting at least *one* question from each Unit (Answer limit **200** words). Each question carries **3** marks.

Section–C (Marks: $5 \times 3 = 15$)

Note: Answer any *three* questions by selecting *one* question from each Unit (Answer limit **500** words). Each question carries **5** marks.

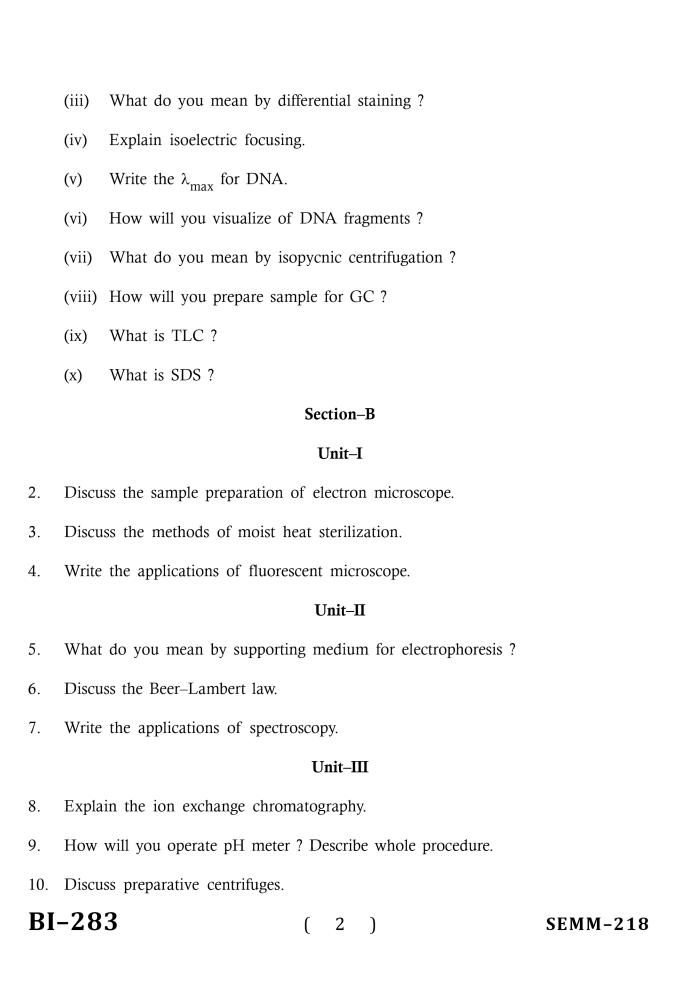
Section-A

1. (i) What is dry heat sterilization?

1 mark.

(ii) Write the principle of phase contrast microscope.

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Section-C

Unit-I

- 11. Differentiate between SEM and TEM.
- 12. Discuss the confocal microscope.

Unit-II

- 13. Discuss the different components of spectrophotometer.
- 14. Write the principle and applications of atomic absorption spectroscopy.

Unit-III

- 15. What is HPLC? Write its working principle and applications.
- 16. Write a short note on GC.

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