

(6 pages)

Reg. No. : _____

Code No. : 30559 E

Sub. Code : CSMI 31

B.Sc. (CBS) DEGREE EXAMINATION,
NOVEMBER 2022

Third Semester

Microbiology

Skill Based Core – MEDICAL LAB TECHNOLOGY

(For those who joined in July 2021 – 2022)

Time : Three hours

Maximum : 75 marks

PART A – (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The first aid kit should have the following materials except
- (a) Sterile cotton or cotton wool and gauze
 - (b) Medicinal adhesive tapes
 - (c) Sodium metasilphate
 - (d) Roller bandages of various widths and scissors

7. An increased level of ALP in blood is associated with
- (a) Liver or bone disorder
 - (b) Typhoid
 - (c) Cholera
 - (d) Shigella
8. An elevated level of creatine kinase is seen in case of _____ except.
- (a) Muscle damage
 - (b) Muscle disorder
 - (c) Heart attack
 - (d) Liver disorder
9. The average pH of the semen is _____.
- (a) 4
 - (b) 3
 - (c) 9.4
 - (d) 7.6
10. Normal urine is clear and _____ in colour.
- (a) Golden yellow
 - (b) Pale yellow colour
 - (c) White
 - (d) Pale white

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2. _____ examines specimens for the presence of abnormal cells.
- (a) Microbiology
 - (b) Cytology
 - (c) Biochemistry
 - (d) Physiology
3. _____ who draws the blood specimen from the patients.
- (a) Phlebotomist
 - (b) Biochemist
 - (c) Microbiologist
 - (d) Zoologist
4. Blood metabolism can be suppressed or inhibited by the addition of _____.
- (a) Fluoride ion
 - (b) Moniodoscotate
 - (c) EDTA
 - (d) All the above
5. Which type of Blood is known as the 'Universal Donor'?
- (a) A
 - (b) O
 - (c) B
 - (d) AB
6. The flocculation technique is best applied in the _____ test.
- (a) WIDAL
 - (b) VDRL
 - (c) XLD
 - (d) SS

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PART B – (5 × 5 = 25 marks)

Answer ALL the questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) State the functions of Haematology and Blood Banking laboratories.
- Or
- (b) State the uses of each of the things kept in a first-aid box.
12. (a) List the formed elements of the blood and state their functions.
- Or
- (b) Describe the clinical significance of haematocrit determination. How would you report haematocrit?
13. (a) Explain the most important blood group in Humans. How will you identify them?
- Or
- (b) Summarize the technique for the serodiagnosis of streptococcal infections.

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[P.T.O.]