The West Bengal University of Health Sciences M.Sc. MLT in Microbiology/ M.Sc. MLT in Biochemistry 1st Year September- October, 2023 Examination

Subject: Basic Medical Laboratory Science - I

| Ti | me: 3 hrs Full Marks: 80 | |
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| | Attempt all questions | |
| 1. | me: 3 nrs Full Marks: 80 Attempt all questions Group - A Write any one of the following: 1 x 10 | |
| | a) Explain role of management in quality control. | |
| | b) Explain document control process in quality control. | |
| 2. | Write short note of the following : $2 \ge 5$ | |
| | a) Internal quality assessment. b) Laboratory accident management. | |
| | Group – B | |
| 3. | Write principle & application of HPLC. Write the agglutination reaction.4+4+2 | |
| 4. | Write two names of specific substrates for which specific enzymes in ELISA. Write the principles of | |
| | electrophoresis. Write the comparison between agglutination vs. coagulation. 2+4+4 | |
| 5. | Write short note on the following : 2 x 5 | |
| | a) WIDAL test. b) Ion exchange chromatography. | |
| | Group – C | |
| 6. | Answer <i>any one</i> from the following questions : 1 x 10 | |
| | a) What points are to be kept in mind to deliver an examination report of HIV from a seminal fluid analysis? | |
| | b) In case of pregnancy test report of urine; which points are to be kept as confined? | |
| 7. | Write a short note on (<i>any one</i>): 1 x 5 | |
| | a) Biomedical ethics. b) Ethical points of view in microbiology report. | |
| | Group – D | |
| 8. | Write short notes on the following:3 x 5 | |
| | a) Differences between Hardware & Software. | |
| | b) Primary & Secondary memory. | |
| | c) Utility of multimedia in laboratories. | |