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The Assam Royal Global University, Guwahati

Royal School of Medical and Allied Sciences

BSc.MLT, 6th Semester

Semester End Examination, June 2023

Course Title: Lab management and quality control

Course Code : BML232C601

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.

The figures in the right-hand margin indicate marks.

Section – A

1. Attempt **all** questions. (Maximum word limit 50) 2 x 8
- What are regional hospital laboratory?
 - Define laboratory organization.
 - What are explosive chemicals?
 - How to store toxic harmful chemicals in laboratory.
 - Define laboratory accuracy.
 - Name some factors for sample analysis.
 - What are CAP?
 - List some importance of ISO guidelines.

Section – B

2. Attempt **any two** of the following: 6x 2
- Define laboratory and state the different classification of medical laboratories.
 - Explain how to collect, handle and transfer laboratory specimens.
 - Discuss on the role of medical laboratory services.
3. Attempt **any two** of the following: 7 x 2
- Describe briefly on pre and post exposure of Hepatitis B vaccine.
 - Explain the importance of first aid for laboratory accidents.
 - Discuss on the safe use and storage of chemicals and reagents.
4. Attempt **any two** of the following: 7 x 2
- Discuss the different steps in quality assurance program.
 - Explain the difference between internal and external quality control programs.
 - Describe the factors involved in sample rejection criteria.
5. Attempt **any one** of the following: 14 x 1
- Explain briefly about NABH and its importance.
 - Write briefly about College of American Pathologists rules in a medical laboratory.