

Module description

Module title: Blood Biochemistry– practical part

Module code: BCH 471

Year: 1444H (2022-23) – third semester.

Module objective:

- Practical knowledge in the blood biochemistry field
- Understand the principles behind basic experiments of blood biochemistry lab
- Dealing with blood samples

Mark distribution:

Total mark is 30:

- 5 marks for weekly quizzes (*exams are written based on the information discussed on the previous lecture, the quiz includes objective and short-answer questions*)
- 6 marks for lab reports/assignments (*written according to the guidelines mentioned in the 1st lecture*)
- 3 marks for Homework (*related to the lecture topic and are attached with the report*)
- 2 marks for performance (*students are evaluated based on lab guidelines mentioned in the 1st lecture*)
- 14 marks for final exam:
 - 10 marks for practical part (*includes experimental work and subjective questions*)
 - 4 marks for theoretical part (*includes objective questions*)

Module experiments:

Lab No.	Title	Date
0	General Laboratory Guidelines	16/03/2022
1	Separation of Plasma and Serum and Their Proteins from Whole Blood	23/03/2022

2	Determination of Plasma Enzymes	30/03/2022
3	ABO Blood Grouping and Rh Groups	16/03/2022
4	Hemolyzing Agents and Detection of Blood	06/04/2022
5	Hemoglobin and Anemia	13/04/2022
6	Determination of Iron Serum	27/04/2022
7	Estimation of Serum Bilirubin (Total and Direct)	04/05/2022
8	Coagulation Time and Prothrombin Time, HCT and ESR	11/05/2022
9	Complete Blood Cell Count	18/05/2022

Final exam 01/06/2023

Online resources

https://faculty.ksu.edu.sa/sites/default/files/pdf_copy_haematology_laboratory_manual_cls_241.pdf