



PhD degree in (Medical Biochemistry and Molecular Biology)

Blueprint of (Biochemical organ function assessment and diseases) course (PhD)

Course Code: (BIC604BOF)

The total marks of this course are 100, divided as:

- Workplace-based assessment (20 marks)
- Written exam (80 marks), distributed as follows:

Course content	Teaching hours	Relative weight to the total marks	Total Marks	MCQ Marks	No of exam Q (MCQ)	Short essay questions Marks	No of exam Q (short essay questions)
Liver function tests 1- Function of the liver 2- Tests based on abnormality on <ul style="list-style-type: none"> • Bile pigment metabolism • Liver part of carbohydrate metabolism • Change of plasma protein • Liver part of lipid metabolism • Amino acid metabolism and values of serum enzymes in liver disease • Prothrombin activity 	15	33.3%	27	19		8	
Renal function tests 1- Function of the kidney 2- Test based on measuring <ul style="list-style-type: none"> • Glomerular filtration function • Tubular function 	12	26.7%	21	15		6	



Course content	Teaching hours	Relative weight to the total marks	Total Marks	MCQ Marks	No of exam Q (MCQ)	Short essay questions Marks	No of exam Q (short essay questions)
• Renal plasma flow							
Adreno-cortical function Tests 1- Function of the adrenal glands 2- Tests based on • Cortisol production • Aldosterone and androgen production • Pituitary adrenal function • Provocative tests	9	20%	16	11		5	
Thyroid function tests 1 - Function of the thyroid 2 -Test based on measuring • Primary function of thyroid • Blood level of thyroid hormones • Metabolic effect of thyroid • Immunological test to detect autoimmune thyroid disease.	9	20%	16	11		5	
Total	45	100%	80	56		24	

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