

MPhil Chemical Pathology Major (Part-I)

Paper-II

Table of Specifications

The grey areas of the courses which cannot be covered or are difficult to cover in MCQ's shall be used for framing SEQ's, which may be split into two parts if necessary; attempt shall be made to avoid duplication between MCQ'S and SEQ's. LEQ shall be designed from any area of the courses with an objective to test the ability of the student in written communication, arrange the information in a proper sequence and priority; last but not the least to evaluate the information learned by the students.

Topic	Impact *	Frequency *	1XF*	Weight *	No. of items*	Total no of MCQ	Total no of SEQ
Non protein nitrogenous compounds	2	3	6	0.065	5.2	5	
Evaluation of renal functions	2	3	6	0.065	5.2	5	
Electrolytes & Blood gases	2	3	6	0.065	5.2	5	01
Carbohydrates	3	3	9	0.0983	7.8	8	01
Lipids & lipoproteins	2	3	6	0.065	5.2	5	
Cardiac functions	3	3	9	0.0983	7.8	8	01
Liver functions	3	3	9	0.0983	7.8	8	01
Mineral & bone metabolism	2	2	4	0.043	3.2	3	
General endocrinology	2	2	4	0.043	3.2	3	
Body fluids	2	1	2	0.021	1.6	3	
Haem	1	1	1	0.01	0.8	2	

Metabolism & Porphyrrias							
Pituitary gland	2	2	4	0.043	3.2	3	01
Thyroid gland	3	3	9	0.098	7.8	7	01
PTH gland	2	2	4	0.043	3.2	3	
Adrenal gland	3	2	6	0.065	5.2	6	01
Reproductive profile	2	3	6	0.065	5.2	6	
Total						80	70

*Key

Impact	Weight	Frequency	Weight
Non-urgent, little prevention potential	1	Rarely seen	1
Serious but not life threatening	2	Relatively common	2
Life threatening emergency and/or high potential for prevention impact	3	Very common	3

*total items required= 80

MCQ= 80 Total Marks =80 Time 90min

SEQ= 07 Total Marks =70 Time 90min

Total Marks of the paper = 150

Total time= 3 Hours

Reference article

Coderre S, Woloschuk W, Mclaughlin K. twelve Tips for blueprinting. Med Teach.2009; 31:322-324

MPhil Chemical Pathology

Paper-I

Table of Specifications TOS

The areas of the courses which require in depth analysis and detail interpretation shall be used for forming SEQ's, which may be split into two parts if necessary; attempts shall be made to avoid duplication between MCQ & SEQ. LEQ shall be designed from mentioned area of the courses with an objective to test the ability of the student in written communication arrange the information in proper sequence, analyze the problem and advise measures for the diagnosis.

Topics	Impact *	Frequency*	1XF*	Weight *	No. of items*	Total no. of MCQ	Total no. of SEQ
General Laboratory Techniques and Procedures	3	3	9	0.169	13.5	14	01
Specimen Collection and Processing	3	3	9	0.169	13.5	14	01
Analytical Techniques and Instrumentation	3	3	9	0.169	13.5	14	01
Quality Assurance	3	3	9	0.169	13.5	14	01
Lab Management	2	1	2	0.037	2.9	3	
Proteins	2	1	2	0.037	2.9	3	01

Clinical Enzymology	3	3	9	0.169	13.5	14	01
Inborn errors of metabolism	1	1	1	0.018	1.41	1	
Trace Elements	1	1	1	0.018	1.41	1	
Tumor Markers	1	1	1	0.018	1.41	1	01
Toxicology	1	1	1	0.018	1.41	1	
Total						80	07

*key

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