P.G. Diploma Examinations in Clinical Pathology (DCP) April 2019

Paper III – Clinical Biochemistry and Basic Microbiology

Tim	•	Answer all questions Draw diagram wherever necessary Write SECTION A and SECTION B in sep books (32 pages). Do not mix up questio Section A and Section B		
QF	P Code:103177	SECTION A – Biochemistry	Marks: 50	
Essay: (15)				
1.	 Describe the procedure of internal quality control in clinical biochemistry laboratory. Explain the method of plotting Levey Jennings chart and its significance. Add a note on resolution of outliers. 			
She	ort notes:		(7x5=35)	
2.	Electrophoresis and its applications			
3.	Renal function tests			
4.	Biochemical analysis of cerebrospinal fluid			
5.	Glycated haemoglobin			
6.	What are bile acids and bile pigments. Add a note on tests done to detect bile			
	salts and bile pigments in the urine			
7.	Cardiac biomarkers			
8.	Polyunsaturated fatty	/ acids (PUFAs)		
QP	P Code: 104177	SECTION B – Microbiology	Marks: 50	
Ess	say:		(15)	
1.	Enlist the sexually tra pathogenesis and la	ansmitted diseases. Describe in detail the r o diagnosis of HIV	norphology,	
Sho	ort notes:		(7x5=35)	
2.	Type III hypersensitiv	vity		
3.	Laboratory diagnosis of pulmonary tuberculosis			
4.	Enzyme – linked immunosorbent assay			
5.	Moist heat methods of sterilisation			
6.	Antibiotic sensitivity testing methods			
7.	C-reactive protein			
8.	Serological assays for monoclonal gammopathies			
