



## Ph.D degree of Medical Biochemistry and Molecular Biology

### Blueprint of (Advanced applied practical course related to Medical Biochemistry and Molecular Biology) course (PhD) Course Code: (BIC604AAP)

The total marks of this course are 500, divided as:

- Workplace-based assessment (100 marks) – OSPE & oral stations (400 marks), distributed as follows:

Course content	Teaching hours	Relative weight to the total marks	Total Marks
RNA and protein extraction	16	10.5%	42
Gene amplification techniques	34	22.5%	90
Gel electrophoresis	21	14%	56
Genetic variations	5	3.5%	14
Recombinant DNA technology	21	14%	56
Advanced molecular techniques	20	13.5%	54
Basics of laboratory quality assessment and assurance	17	11%	44
Chromatography (HPLC)	8	5.5%	22
Flowcytometry	8	5.5%	22
<b>Total</b>	<b>150</b>	<b>100%</b>	<b>400</b>

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