

**Table of Specifications**  
**PhD Entrance Test Pathology (Haematology)**

Sr. No	Topic	MCQs
	Level of Difficulty	Application
1	Haemopoiesis , erythropoiesis, general and clinical aspects of anaemia, iron deficiency anaemia, megaloblastic anaemia	10
2	Thalassaemia, haemolytic anaemias, Aplastic anaemia, stem cell transplantation	10
3	Acute leukaemia, chronic leukaemia, Multiple myeloma	10
4	Lymphomas, Myeloproliferative neoplasms and myelodysplasia	10
5	Haemostasis, bleeding disorders, coagulation abnormalities	10
6	Thrombophilia. Haematology in systemic diseases, pregnancy and paediatrics. Lab management	10
7	Transfusion medicine, immuno- haematology, blood banking	10
8	<p>Molecular Biology</p> <ul style="list-style-type: none"> <li>○ DNA: Structure and Function</li> <li>○ RNA: Structure and Function &amp; Types</li> <li>○ Protein: Structure and Function</li> <li>○ DNA regulatory sequences and regulatory protein</li> <li>○ DNA Replication, Damage and Repair</li> <li>○ Transcription/ Translation in Prokaryotes&amp; Eukaryotes</li> </ul>	10
9	<p><b>Techniques</b></p> <ul style="list-style-type: none"> <li>○ PCR types and procedure</li> <li>○ DNA/RNA Extractions</li> <li>○ Restriction Endonucleases</li> <li>○ Recombinant DNA technology</li> </ul> <p>Gel Electrophoresis</p>	05
10	<ul style="list-style-type: none"> <li>○ Research Methodology</li> <li>○ Biostatistics/Analytical</li> <li>○ Medical writing/Bioethics</li> </ul>	15
<b>Total</b>		<b>100</b>