

Table of Specification –PhD Haematology Spring 2026

NUMS Entry Test

| 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 | Molecular Biology <ul style="list-style-type: none"> ○ DNA: Structure and Function ○ RNA: Structure and Function & Types ○ Protein: Structure and Function ○ DNA regulatory sequences and regulatory protein ○ DNA Replication, Damage and Repair ○ Transcription/ Translation in Prokaryotes& Eukaryotes | 10 |
| 9 | Techniques <ul style="list-style-type: none"> ○ PCR types and procedure ○ DNA/RNA Extractions ○ Restriction Endonucleases ○ Recombinant DNA technology Gel Electrophoresis | 05 |
| 10 | <ul style="list-style-type: none"> ○ Research Methodology ○ Biostatistics/Analytical ○ Medical writing/Bioethics | 15 |
| Total | | 100 |