

## Nature and content of test:

Evaluation Item	Content	Relative Percentage	Passing Score
<b>(70 MCQs, 2 hours)</b>	<b>Topics:</b>		
	1. Hematology	30%	60%
	2. Blood Bank	10%	
	3. Biochemistry	26%	
	4. Microbiology	20%	
	5. Molecular and Cytogenetics	4%	
6. Immunology and Serology	10%		
<b>Total</b>		<b>100%</b>	

## Test References:

### Hematology

1. Wintrobe's Clinical Hematology, Lippincott Williams and Wilkins, 12th Edition, 2009
2. WHO Classification of tumors of haematopoetic and lymphoid tissues. Swerdlow SH, Campo E, Harris NL, et al. IARC press. 2008. 4th Edition
3. Dacie and Lewis: Practical Hematology. Lewis SM, Bain BJ, Bates I (Eds). 2006, 10th Ed
4. Haemoglobinopathy Diagnosis. Barbara J. Bain. 2006. 2nd Ed
5. William's Hematology. Lichtman LA, Beutler E, Kipps TJ, et al. 2007 The McGraw-Hill Companies. 7th Ed
6. Modern Hematology. Biology and clinical management. 2007, 2nd ed. Munker R, Ed. Humana Press, New Jersey.

### Biochemistry

1. Textbook of Biochemcistry, 7th Edition, Wiley
2. Davidson's Principles and Practice of Medicine, 20th Edition
3. Lippincott's illustrated reviews, 4th edition, 2008, Biochemistry, Williams and Wilkins
4. Harper's Illustrated Biochemistry, 26th Edition, 2003, Murray RK, Granner Dk, Mayes PA, Rodwell VW., Lange Medical Books/McGraw-Hill

### Microbiology

1. Microbiology: Principles and Application, 3rd Edition
2. Medical Microbiology, Churchill Livingstone, 16th Edition, 2002
3. Textbook of Microbiology. R Ananthanarayanan, CKJ Paniker. 7th Edition

## **Bloodbank**

1. AABB Technical Manual. Mark E. Brecher (Ed,) AABB, 2005

## **Molecular Pathology**

1. Molecular Diagnosis for Clinician Laboratorian. Coleman WB & Tsongalis GJ (Eds). Humana Press.
2. Clinical Pathology, 2007, Oxford U Press

## **Immunology**

1. Robbins Basic Pathology. Kumar, Abbas, Fausto, Mitchell, 8th Edition, 2007
2. Medical Immunology. PArslow TG, Stities DP, Terr AI, Imboden JB., McGraw-Hill, 2001
3. Transplantation Immunology, methods and protocols. Hornick P, Rose M., 2006, Humana Press, New Jersey .