

National Board of Examinations

Question Paper Name :	DrNB CLINICAL HAEMATOLOGY Paper2
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Actual Answer Key :	No

DrNB CLINICAL HAEMATOLOGY Paper2

Group Number :	1
Group Id :	3271871269
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB CLINICAL HAEMATOLOGY Paper2

Section Id :	3271871272
Section Number :	1

Section type : Offline
Mandatory or Optional : Mandatory
Number of Questions to be attempted : 10
Section Marks : 100
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 3271871276
Question Shuffling Allowed : No

Question Number : 1 Question Id : 32718711742 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Eosinophils:

- Types and diagnostic criteria of hypereosinophilic syndromes. [5]
- Treatment approach to idiopathic hypereosinophilic syndrome. [5]

Question Number : 2 Question Id : 32718711743 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Macrophage Activation Syndrome:

- Describe pathophysiology of Macrophage Activation Syndrome in hematological disorders. [5]
- Describe various treatment strategies to treat Macrophage Activation Syndrome. [5]

Question Number : 3 Question Id : 32718711744 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Transfusion Associated Acute Lung Injury (TRALI):

- a) Describe the pathogenesis of TRALI. [4]
- b) How do you make a diagnosis of TRALI? [3]
- c) How do you manage TRALI? [3]

Question Number : 4 Question Id : 32718711745 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Platelets:

- a) Describe the structure and function of platelets in human body. [4]
- b) Describe various platelet function tests. [3]
- c) What are salient features of Wiscott Aldrich Syndrome. [3]

Question Number : 5 Question Id : 32718711746 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Immunoglobulins:

- a) Clinical manifestations and management of Primary IgA deficiency. [5]
- b) Clinical manifestation and management of X linked agammaglobulinemia. [5]

Question Number : 6 Question Id : 32718711747 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Plasma cells:

- a) Classification of plasma cell neoplasms and their diagnostic criteria. [5]
- b) Management of Waldenstrom macroglobulinemia. [5]

Question Number : 7 Question Id : 32718711748 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Nucleic acid testing for blood banks:

- a) What is the importance of Nucleic acid testing for blood banks? [5]
- b) What is the method for nucleic acid testing and for what pathogens is testing done in blood banks? [5]

Question Number : 8 Question Id : 32718711749 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Basophils:

- a) What is the structural and functional difference between mast cells and basophils? [5]
- b) Clinical and translational significance of basophils in hematological malignancies. [5]

Question Number : 9 Question Id : 32718711750 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Chronic Myelomonocytic Leukemia (CMML):

- a) Describe WHO classification of myeloproliferative neoplasms. [3]
- b) Risk stratification of CMML. [3]
- c) Describe treatment strategies for CMML. [4]

Question Number : 10 Question Id : 32718711751 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Myeloproliferative Neoplasms (MPN):

- a) The molecular genetics of primary myelofibrosis. [5]
- b) Treatment options for primary myelofibrosis. [5]