

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB CLINICAL HAEMATOLOGY Paper2
<b>Subject Name :</b>	DrNB CLINICAL HAEMATOLOGY Paper2
<b>Creation Date :</b>	2023-10-15 14:13:29
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## DrNB CLINICAL HAEMATOLOGY Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872623
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB CLINICAL HAEMATOLOGY Paper2

<b>Section Id :</b>	3271872626
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872630
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718726914 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

**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. a) Describe risk factors and clinical presentation of a patient with hemophagocytic lymphohistiocytosis (HLH). [4]
- b) Describe management strategies in an infant with congenital HLH. [4]
- c) How do you manage a patient of SLE with macrophage activation syndrome. [2]

**Question Number : 2 Question Id : 32718726915 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Enumerate various causes of inherited bone marrow failure syndromes. [4]

b) What is telomeropathy and its clinical manifestations. [3]

c) How do you manage a child with fanconi anemia. [3]

**Question Number : 3 Question Id : 32718726916 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe principles of leucodepletion and irradiation of blood products. [4]

b) Describe the clinical utilities and various methods for leucodepletion and irradiation of blood products. [3]

c) Describe the pathophysiology & clinical manifestations of transfusion associated GvHD. [3]

**Question Number : 4 Question Id : 32718726917 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe steps to be taken for granulocyte collection and transfusion. [4]

b) Describe evidence based practice regarding granulocyte transfusion in a patient with neutropenic sepsis. [3]

c) Enumerate risks associated with granulocyte transfusions. [3]

**Question Number : 5 Question Id : 32718726918 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe structural organisation of lymph node. [3]

b) Classify and enumerate causes of lymph node enlargement based on structural organisation of lymph node. [4]

c) Write a note on Kikuchi disease. [3]

**Question Number : 6 Question Id : 32718726919 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe monoclonal gammopathy of renal significance. [5]

b) Describe neurological manifestations associated with plasma cell dyscrasia and their management. [5]

**Question Number : 7 Question Id : 32718726920 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) How do you approach the diagnosis of a child with prolonged isolated neutropenia. [6]

b) Describe management strategies in a child with congenital severe neutropenia/ Kostman syndrome. [4]

**Question Number : 8 Question Id : 32718726921 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe the pathophysiology of various clinical syndromes associated with paroxysmal nocturnal hemoglobinuria (PNH). [4]

b) Enumerate various treatment options & their mechanism of action in a patient with PNH. [3]

c) Describe indications, conditioning regimens and outcomes of matched sibling allogeneic stem cell transplantation in a patient with PNH. [3]

**Question Number : 9 Question Id : 32718726922 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

a) Describe various secondary causes of monocytosis. [3]

b) Describe diagnostic approach to a patient with prolonged monocytosis. [4]

c) Describe the treatment approach for a young patient with chronic myelomonocytic leukemia

(CMML). [3]

**Question Number : 10 Question Id : 32718726923 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Describe diagnostic approach to isolated thrombocytopenia in an elderly individual. [6]
- b) Describe role of thrombopoietin analogues in management of secondary thrombocytopenias. [4]