

National Board of Examinations

Question Paper Name : DNB Pathology Paper4
Subject Name : DNB Pathology Paper4
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718733564 Consider As Subjective : Yes

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. Discuss t(9:22) chromosome and JAK 2 mutation negative chronic myeloproliferative disorders. [10]

Question Number : 2 Question Id : 32718733565 Consider As Subjective : Yes

- a) Myeloid sarcomas. [5]
b) Quality assurance in a haematology laboratory. [5]

Question Number : 3 Question Id : 32718733566 Consider As Subjective : Yes

Describe the 2022 updates of the international myeloma working group risk stratification in multiple myelomas. [10]

Question Number : 4 Question Id : 32718733567 Consider As Subjective : Yes

Describe the 2023 updates of consensus classifications in acute myeloid leukaemia. [10]

Question Number : 5 Question Id : 32718733568 Consider As Subjective : Yes

Write a note on the role of reticulocyte index on classifying anemias. How reticulocyte index is calculated? [7+3]

Question Number : 6 Question Id : 32718733569 Consider As Subjective : Yes

Newer platelet parameters: role in health and disease. [10]

Question Number : 7 Question Id : 32718733570 Consider As Subjective : Yes

Write a note on the etiology and diagnosis of chronic eosinophilic leukaemia. Describe different forms of white blood cell transfusions and their indications. [5+5]

Question Number : 8 Question Id : 32718733571 Consider As Subjective : Yes

Write a note on the role of cytochemical stains in the diagnosis of hematological disorders in an era of flow cytometry and cytogenetics. [10]

Question Number : 9 Question Id : 32718733572 Consider As Subjective : Yes

a) Double hit lymphomas. [5]

b) Burkitt lymphoma. [5]

Question Number : 10 Question Id : 32718733573 Consider As Subjective : Yes

a) Molecular pathogenesis of thalassemia. [5]

b) Molecular techniques for detecting globin gene variants. [5]