

National Board of Examinations

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| Question Paper Name : | DNB Pathology Paper4 |
| Subject Name : | DNB Pathology Paper4 |
| Creation Date : | 2022-12-26 16:39:33 |
| Duration : | 180 |
| Share Answer Key With Delivery Engine : | No |
| Actual Answer Key : | No |

DNB Pathology Paper4

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| Group Number : | 1 |
| Group Id : | 3271871378 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |
| Examiner permission : | Cant View |
| Show Progress Bar? : | No |

DNB Pathology Paper4

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|-------------------------|------------|
| Section Id : | 3271871381 |
| 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 : 3271871385

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718712852 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. Classify AML defined by differentiation with emphasis on specific differentiation markers (WHO 2022). Add a note on blast criteria for AML with defining genetic abnormalities. [3+5+2]

Question Number : 2 Question Id : 32718712853 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) General approach to patients with acquired erythrocytosis. [5]
- b) Revised WHO criteria for polycythemia vera and essential thrombocythemia. [5]

Question Number : 3 Question Id : 32718712854 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 hematological malignancies with RUNX1 mutations. [3]
- b) Classify myeloid neoplasms associated with germline predisposition (WHO 2022). [3]
- c) Etiopathogenesis of APLA syndrome. [4]

Question Number : 4 Question Id : 32718712855 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) Discuss the laboratory work up in a case of increased APTT. [5]
- b) Acquired non-functioning hemoglobins. [5]

Question Number : 5 Question Id : 32718712856 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) Plasma cell leukaemia. [5]
- b) Discuss the Genetic basis and mention the molecular methods for detection of Thalassemia. [5]

Question Number : 6 Question Id : 32718712857 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) Impact and management of blood storage due to pandemic. [5]
- b) Hemoparasites and recent diagnostic modalities. [5]

Question Number : 7 Question Id : 32718712858 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) Classify platelet function disorder. [5]
- b) Laboratory diagnosis of G6PD deficiency. [5]

Question Number : 8 Question Id : 32718712859 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) Discuss familial qualitative disorders of leucocytes. [5]
- b) Bone marrow microenvironment in health and disease. [5]

Question Number : 9 Question Id : 32718712860 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) Features of Congenital dyserythropoietic anemia and its types. [5]
- b) D-dimer test. [5]

Question Number : 10 Question Id : 32718712861 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) Diagnostic criteria for MN -pCT(Myeloid neoplasms post cytotoxic therapy). [3]
- b) Prognostic factors for ALL. [5]
- c) Leiden mutation. [2]