

# National Board of Examinations

**Question Paper Name :** DNB Pathology Paper1  
**Subject Name :** DNB Pathology Paper1  
**Duration :** 182  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0  
**Is Section Default? :** No

**Question Number : 1 Question Id : 32718744151 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. a) Single nucleotide polymorphism and copy number variations in health and disease. [5]  
b) Micro-RNA. [5]

**Question Number : 2 Question Id : 32718744152 Consider As Subjective : Yes**

- a) Cellular senescence mechanism. [5]  
b) Genomic imprinting. [5]

**Question Number : 3 Question Id : 32718744153 Consider As Subjective : Yes**

- a) HLA typing. [3]
- b) Molecular techniques for HLA typing. [7]

**Question Number : 4 Question Id : 32718744154 Consider As Subjective : Yes**

- a) Oncogenic viruses. [5]
- b) Pathogenesis of H. pylori induced gastric cancer and MALToma. [5]

**Question Number : 5 Question Id : 32718744155 Consider As Subjective : Yes**

- a) Diet and cancer. [5]
- b) Obesity and cancer. [5]

**Question Number : 6 Question Id : 32718744156 Consider As Subjective : Yes**

- a) Anti-nuclear antibodies (ANAs). [5]
- b) Antiphospholipid antibodies. [5]

**Question Number : 7 Question Id : 32718744157 Consider As Subjective : Yes**

- a) Necrotizing enterocolitis. [5]
- b) Lepra reactions. [5]

**Question Number : 8 Question Id : 32718744158 Consider As Subjective : Yes**

- a) Cell cycle inhibitors. [5]
- b) BRAF mutation. [5]

**Question Number : 9 Question Id : 32718744159 Consider As Subjective : Yes**

- a) Calculation of sample size in research. [5]
- b) Type 1 and type 2 error in research. [5]

**Question Number : 10 Question Id : 32718744160 Consider As Subjective : Yes**

- a) Severe combined immunodeficiency. [5]
- b) NK cells. [5]