

# National Board of Examinations

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

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

**Question Number : 1 Question Id : 32718743975 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) Describe the ultrastructure of thymus. [5]
- b) What are the microscopic age changes in thymus? [5]

**Question Number : 2 Question Id : 32718743976 Consider As Subjective : Yes**

Describe the development of brain. Add a note on the molecular regulation of the development of brainstem. [8+2]

**Question Number : 3 Question Id : 32718743977 Consider As Subjective : Yes**

- a) Development of kidney. [5]
- b) Congenital anomalies of the urinary system. [5]

**Question Number : 4 Question Id : 32718743978 Consider As Subjective : Yes**

Describe the ultrastructure of human sperm. Add a note on capacitation. [8+2]

**Question Number : 5 Question Id : 32718743979 Consider As Subjective : Yes**

Describe the special stains for lipids, reticular fibers and blood cells. [10]

**Question Number : 6 Question Id : 32718743980 Consider As Subjective : Yes**

Classify and give a brief account of cartilaginous joints. Add a note on Marfan's syndrome. [7+3]

**Question Number : 7 Question Id : 32718743981 Consider As Subjective : Yes**

Describe the microanatomy of compact bone. Add a note on calcification of bone. [8+2]

**Question Number : 8 Question Id : 32718743982 Consider As Subjective : Yes**

Describe the microanatomy of stomach. Tabulate the differences between the three parts of small intestine. [7+3]

**Question Number : 9 Question Id : 32718743983 Consider As Subjective : Yes**

- a) What is the function of amnion? [5]
- b) Describe the derivatives of yolk sac. [5]

**Question Number : 10 Question Id : 32718743984 Consider As Subjective : Yes**

Describe the microscopic and visual changes during ageing of skin. [10]