

5138 (AN)

B.D.S. Supply. & Main

Examination, Feb. - 2022

General Pathology & Microbiology

[BDS-04(N)]

Time : Three Hours ]

[Maximum Marks : 70

**Note :** Answer all questions. Illustrate your answer with suitable diagrams. Use separate copy for Part-A and Part-B.

**Part - A**

**(General Pathology)**

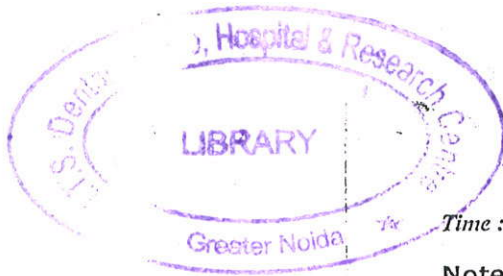
1. Define apoptosis: Describe the mechanism of apoptosis. 7
2. What is wound healing? Describe types and mechanism of wound healing. 7
3. Differentiate between the following:  
 $3 \times 3 = 9$ 
  - (a) Benign tumors and Malignant tumours
  - (b) Type I and Type IV Hypersensitivity
  - (c) Transudate and Exudate 1
4. Write short notes on:  $3 \times 4 = 12$ 
  - (a) Physical and Chemical properties of amyloid.
  - (b) Granulomatous inflammation
  - (c) Acquired Immunodeficiency Syndrome (AIDS)
  - (d) Scurvy

**Part - B**

**(Microbiology)**

5. Define Hypersensitivity. Classify different

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types of hypersensitivity reactions  
and explain type I hypersensitivity  
reactions. 10

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6. Describe in detail about:  $5 \times 2 = 10$

(a) Differentiate between Active &  
Passive immunity.

(b) Hot air Sterilization

7. Write briefly about (any three)  $5 \times 3 = 15$

(a) Bacterial Growth curve.

(b) Non Sporing anaerobes responsible  
for Dental infections.

(c) Clinical manifestations and laboratory  
diagnosis of Candidiasis.

(d) Difference between Herpes Simplex  
virus-1 (HSV-1) and Herpes Simplex  
virus-2 (HSV-2).