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(20417) Roll No.....

B.D.S. II Prof.

5138(AN)

B.D.S. Supply. & Main Examination,

April - 2017

General Pathology & Microbiology

[BDS-04(N)]

Time : Three Hours] [Maximum Marks : 70

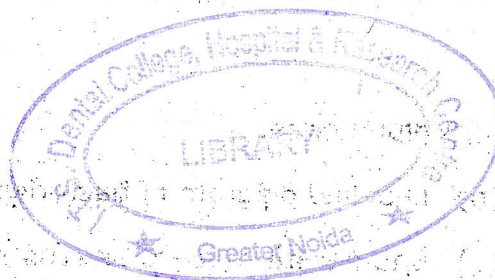
Note : Answer all questions. Illustrate your answer with suitable diagrams. Use separate copy for **Part-A** and **Part-B**.

Part-A 35

(General Pathology)

1. Write on etiopathogenesis and biochemical basis of cell injury. 7
2. Write on laboratory diagnosis of cancer. 7

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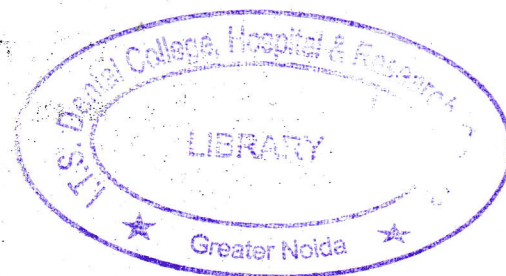


3. Differentiate between : $3 \times 4 = 12$

- (a) Metaplasia and dysplasia
- (b) Necrosis and apoptosis
- (c) Granulation tissue and granuloma.
- (d) Arterial thrombi and venous thrombi

4. Write short notes on any **3** : $3 \times 3 = 9$

- (a) Vascular events in acute inflammation
- (b) Stem cells
- (c) Congestive splenomegaly
- (d) Vitamin A deficiency.



Part-B

(Micro Biology)

1. Enumerate the methods of gene transfer in bacteria, discuss the definition, mechanism and types of transduction in details. 10
2. Define Hyper sensitivity reaction, classify hyper sensitivity reactions. Write in detail about type-1 hyper sensitivity reaction. 10
3. Write Briefly about (any **three**) $5 \times 3 = 15$
 - (a) Laboratory diagnosis of corynebacterium diphtheriae.
 - (b) Labelled diagram of bacteriophage
 - (c) Enumerate mucocutaneous manifestations of candidiasis
 - (d) Laboratory diagnosis of malaria