



SA-4819

Seat No. _____

Second Year B.D.S. Examination

March / April – 2006

Pathology / Microbiology

Time : **3 Hours**]

[Total Marks : **100**

- Instructions :**
- (1) Write section I and II in **separate** answer books.
 - (2) Figures to the **right** indicate **full** marks of the question.
 - (3) Write legibly and to the point.
 - (4) Draw neat diagram where **necessary**.

SECTION - I

PATHOLOGY

- 1** Define granuloma – Enumerate various **16**
granulomatous inflammations. Describe evolution of a tubercle
in detail.

OR

- 1** Describe Morphology, Pathogenesis, biochemical changes **16**
and examples of APOPTOSIS.

- 2** Write notes on any **three** : **18**

- (a) Exogenous pigmentation
- (b) Spread of tumours
- (c) Phagocytosis
- (d) Hypertrophy, Hyperplasia and Metaplasia.

- 3** Write short notes on any **four** : **16**

- (a) Physical Examination of urine
- (b) Criteria of selection of healthy blood donor
- (c) Methods of estimation of Haemoglobin
- (d) Causes of leucocytosis and leucopenia
- (e) Prothrombin time.

SA-4819]

1

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SECTION - II
MICROBIOLOGY

- 4 Morphology, Cultural characters, biochemical reactions, Pathogenecity and laboratory diagnosis of *C. diphtheriae* **16**

OR

Staph. qureus

- 5 Write notes on any **two** : **16**
- (a) Bacterial spore
 - (b) Antigen
 - (c) Sterilisation by moist heat
 - (d) Anaphylaxis

- 6 Write notes on any **three** : **18**
- (a) Lab. diagnosis of HIV infection
 - (b) Candidiasis
 - (c) Normal flora of mouth
 - (d) Hepatitis B virus
 - (e) Round worm
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