

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B. Sc (TRAUMA CARE MANAGEMENT) DEGREE
EXAMINATION – August 2018

APPLIED BASIC SCIENCES - II
(PHARMACOLOGY, PATHOLOGY, COMMUNITY MEDICINE,
MICROBIOLOGY)

Time: Three hours

Maximum: 130 marks

SECTION - A

PHARMACOLOGY

- I. Write an essay on any **ONE** of the following: (1 x 20 = 20)
1. Classify insulin. Add a note on management of DKA.
 2. Classify Anti hypertensive agents. Note on calcium channel blockers.
- II. Write short notes on any **Two** of the following: (2 x 10 = 20)
3. Adrenaline.
 4. Benzodiazepines.
 5. Pencillins.

SECTION - B

PATHOLOGY

- I. Write an essay on any **ONE** of the following: (1 x 20 = 20)
1. Classify pneumonia and its ER treatment.
 2. Define anemia and classify in detail.
- II. Write short notes on any **ONE** of the following: (1 x 10 = 10)
3. ARDS.
 4. AIDS / HIV

SECTION - C

COMMUNITY MEDICINE

- I. Write an essay on any **ONE** of the following: (1 x 20 = 20)
1. Personal protective equipments and note on waste management.
 2. Water born disease and its prevention. Note on Hepatitis A and E.
- II. Write short notes on any **ONE** of the following: (1 x 10 = 10)
3. Post exposure prophylaxis for Tetanus.
 4. Infection control strategies in ER.

SECTION - D

MICROBIOLOGY

- I. Write an essay on any **ONE** of the following: (1 x 20 = 20)
1. Gram positive bacteria classify and note on SIRS.
 2. Define sepsis, sepsis bundle to be done in ER and note on GNB sepsis.
- II. Write short notes on any **ONE** of the following: (1 x 10 = 10)

3. Tuberculosis.
4. UTI.
