

Total No. of Printed Pages - 3

B.Sc (N) 1<sup>st</sup> year

6 nos

SS/BSN/AP/5-12

2012

(May)

## Anatomy & Physiology

Full Marks : 75

Time : 3 hours

Answer **all** questions

Answer each half in separate scripts

The figures in the margin indicate full marks for the questions

1<sup>st</sup> Half

1. Write an essay on Palatine tonsil with suitable diagram.

10

2. Describe the lungs and its applied importance.

8 + 4 = 12

(Turn Over)

( 2 )

3. Write short notes on *any three* of the following :

5 × 3 = 15

- a. Ovary
- b. Histological structure of spleen
- c. Duodenum
- d. Safety muscle of the tongue or larynx
- e. Parotid gland

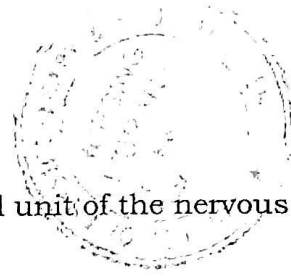
*2<sup>nd</sup> Half*

4. Fill in the blanks :

1 × 8 = 8

- a. Hypofunction of the \_\_\_\_\_ glands lead to tetany.
- b. \_\_\_\_\_ is the receptor for taste sensation.
- c. Cessation of respiration is known as \_\_\_\_\_.
- d. The pacemaker of the heart is the \_\_\_\_\_.
- e. Onset of menstrual cycle is known as \_\_\_\_\_.

( 3 )



- f. The structural and functional unit of the nervous system is \_\_\_\_\_.
- g. The \_\_\_\_\_ nerve is concerned with the sense of smell.
- h. Deficiency of Vitamin B<sub>12</sub> causes \_\_\_\_\_.
5. Define blood pressure. What are the factors that determine blood pressure? Write briefly on short term regulation of blood pressure.  $2 + 2 + 6 = 10$
6. Write short notes on *any four* of the following :  $5 \times 4 = 20$
- i. Functions of bile
  - j. Neutrophil
  - k. Vital capacity
  - l. Erythroblastosis foetalis
  - m. Reflex arc

\* \* \*