



62501

First Basic B.Sc. Nursing Examination, May/June 2008
ANATOMY AND PHYSIOLOGY



Total Duration: Section A + B + C = 3 Hours

Section B & C Marks : 60

SECTION - B & SECTION - C

- Instructions:**
- 1) *All questions are compulsory.*
 - 2) *The number to the right indicates full marks.*
 - 3) *Draw diagrams wherever necessary.*
 - 4) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION - B**Anatomy**

2. Answer the following (any three out of four): (3×5=15)
 - a) Difference between small and large intestine. Add note on atrial supply.
 - b) Curvature of the vertebral column.
 - c) Adductor canal or subsartorial canal or Hunter's canal.
 - d) Blood supply and Lymphatic drainage of mammary gland.
3. Long answer question. (1×7=7)

Describe the uterus under following headings :

 - a) Relations
 - b) Supports
 - c) Applied anatomy.
4. Long answer question. (1×8=8)

Describe the tongue under following headings :

 - a) Gross anatomy
 - b) Muscles and their action
 - c) Nerve supply.



SECTION - C
Physiology

5. Answer the following (any three out of four) : (3×5=15)
- ✓ a) Describe in brief Rh blood group system. What is erythroblastosis foetalis ?
 - b) Describe different types of movements in small intestine. What is antiperistalsis ?
 - c) Enumerate the hormones secreted by anterior pituitary. Describe in brief physiological actions of growth hormone. What is the effect of excess of growth hormone secretion ?
 - ✓ d) Draw and label a diagram showing different lung volumes and capacities. Describe in brief vital capacity.
6. ✓ Enumerate various mechanisms of regulation of blood pressure. Describe baroreceptor and renin mechanism. (1×7=7)
7. Describe the process of erythropoiesis. Write in brief about the factors regulating erythropoiesis. Name the type of anaemia produced due to absence of each factor. (1×8=8)
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