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RO-0625

B. Sc. (Nursing) Examination

June - 2010

Anatomy and Physiology

Time : Hours]

[Total Marks : 75

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Sc. (Nursing)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Anatomy and Physiology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="A&B"/>	<input type="text"/>
	<input type="text" value="Student's Signature"/>

- (2) Draw neat and labeled diagram when necessary.
- (3) Write to the point.
- (4) Section-A and Section-B to be answered in different answer sheet.

SECTION - A

- 1 Attempt any **one** : **10**
 - (1) Classify bone joints. Write in detail about synovial joint.
 - (2) Draw detail labeled diagram of female reproductive and write in short about menstrual cycle.

- 2 Answer in brief : (any **five**) **15**
 - (1) Write note on ECG.
 - (2) Draw labeled diagram of kidney.
 - (3) Write function of external ear.
 - (4) Draw labeled diagram of neurone and write its function.
 - (5) Write note on sickle cell anemia.
 - (6) Write note on arrhythmia.

- 3** Write notes on : (any **three**) **12**
- (1) Atherosclerosis
 - (2) Bronchitis
 - (3) Anemia
 - (4) Alzheimer's disease.

SECTION-B

- 4** Write any **two** : **16**
- (1) Define cardiac output and describe factors effecting cardiac output.
 - (2) Draw labeled diagram of skull bones and write composition and function of bones.
 - (3) Describe in detail sliding mechanism of skeletal muscles (muscle contraction).
- 5** Write difference between : (any **six**) **12**
- (1) Sympathetic system and parasympathetic system
 - (2) Epithelial tissue and neuronal tissue
 - (3) Exocrine gland and endocrine glands
 - (4) Eukaryotic cells and prokaryotic cells
 - (5) RBC and WBC
 - (6) Artery and vein
 - (7) Male and female reproductive system.
- 6** Multiple choice questions : (any **nine**) **10**
- (1) WBC are also known as
 - (a) Erythrocytes
 - (b) Fibroblasts
 - (c) Leukocytes
 - (d) Erythropoiesis
 - (2) Human cell contains
 - (a) 25 pairs of chromosomes
 - (b) 23 pairs of chromosomes
 - (c) 21 pairs of chromosomes
 - (d) 24 pairs of chromosomes

- (3) Tricuspid valve is situated in
- (a) Right ventricle / pulmonary artery
 - (b) Right ventricle / right atrium
 - (c) Left ventricle / left atrium
 - (d) Left ventricle / aorta
- (4) Homeostasis is mechanism of
- (a) Blood coagulation
 - (b) Maintenance of equilibrium in the body
 - (c) Diseased condition related to blood coagulation
 - (d) Related to sexuality of human
- (5) Which is the part of female reproductive system
- (a) Urethra
 - (b) Scrotum
 - (c) Penis
 - (d) Fallopian tube
- (6) Person having AB blood group are
- (a) Universal donor
 - (b) Universal acceptor
 - (c) None
 - (d) Both
- (7) Which is brain of cell
- (a) Nucleus
 - (b) Mitochondria
 - (c) Golgi body
 - (d) ER
- (8) Stem cells undergo cell division by
- (a) Metosis
 - (b) Meosis
 - (c) Both
 - (d) None
- (9) Gallbladder is part of
- (a) Digestive system
 - (b) Endocrine system
 - (c) Both
 - (d) None
- (10) Sweat glands are
- (a) Exocrine gland
 - (b) Endocrine gland
 - (c) Both
 - (d) None.
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