

F.Y.B.Sc (Nursing) 2007 Course: Winter - 2018

SUBJECT: ANATOMY AND PHYSIOLOGY

Day: Wednesday

Date: 03-10-2018

Time: -

Max. Marks: 15

W-2018-4015

**N.B:**

- 1) All questions are **COMPULSORY**.
- 2) Put a tick  mark in the appropriate box.
- 3) Use blue/ black ball point pen only.
- 4) Section-I should be completed in **15** minutes.
- 5) Each question carries **ONE** mark.
- 6) Student will not be allotted any marks if he/she overwrites strikes or puts ink on the box once marked.

Seat No.: \_\_\_\_\_

Signature of Supervisor: \_\_\_\_\_

Marks Obtained: \_\_\_\_\_

**SECTION-A**

**Q.1** Normal Duration of cardiac cycle is \_\_\_\_\_.

- |            |                          |
|------------|--------------------------|
| a) 0.1 sec | <input type="checkbox"/> |
| b) 0.2 sec | <input type="checkbox"/> |
| c) 0.4 sec | <input type="checkbox"/> |
| d) 0.8 sec | <input type="checkbox"/> |

**Q.2** The knee joint can be classified as follows except.

- |               |                          |
|---------------|--------------------------|
| a) Synovial   | <input type="checkbox"/> |
| b) Uniaxial   | <input type="checkbox"/> |
| c) Bicondylar | <input type="checkbox"/> |
| d) Simple     | <input type="checkbox"/> |

**Q.3** I.M. injection is given in \_\_\_\_\_.

- |                     |                          |
|---------------------|--------------------------|
| a) Deltoid          | <input type="checkbox"/> |
| b) Vastus lateralis | <input type="checkbox"/> |
| c) Gluteus medius   | <input type="checkbox"/> |
| d) All of the above | <input type="checkbox"/> |

**Q.4** Thyroid gland is a \_\_\_\_\_.

- |                      |                          |
|----------------------|--------------------------|
| a) Endocrine gland   | <input type="checkbox"/> |
| b) Exocrine gland    | <input type="checkbox"/> |
| c) Autocrine gland   | <input type="checkbox"/> |
| d) None of the above | <input type="checkbox"/> |

**P.T.O.**

**Q.5** Age of closure of anterior fontanalle is \_\_\_\_\_.

- a) One month
- b) Six month
- c) One year
- d) One and a half year

  
  
  

**Q.6** All the structures open into right atrium **Except** \_\_\_\_\_.

- a) Coronary sinus
- b) Superior vena cava
- c) Inferior vena cava
- d) Aorta

  
  
  

**Q.7** First Heart sound is due to \_\_\_\_\_.

- a) Opening of atrio - ventricular valves
- b) Closure of atrio - ventricular valves
- c) Closure of semilunar valves
- d) Last rapid filling

  
  
  

**Q.8** Normal life span of Red Blood cells is \_\_\_\_\_.

- a) 30 days
- b) 60 days
- c) 90 days
- d) 120 days

  
  
  

**Q.9** The following structure is the power house of the cell.

- a) Nucleus
- b) Sarcoplasmic reticulum
- c) Golgi apparatus
- d) Mitochondria

  
  
  

**Q.10** Hemiplegia means paralysis of \_\_\_\_\_.

- a) Both upper limbs
- b) Upper and lower limbs of one side of the body
- c) Both lower limbs
- d) All four limbs

**Q.11** Normal Tidal volume is (in ml) \_\_\_\_\_.

- a) 200
- b) 400
- c) 500
- d) 700

**Q.12** Refractive error after the age of 40 years is called as \_\_\_\_\_.

- a) Myopia
- b) Astigmatism
- c) Presbyopia
- d) Spherical aberrations

**Q.13** Pacemaker of heart is \_\_\_\_\_.

- a) Ventricular muscle
- b) A.V. node
- c) S.A. node
- d) Purkinje fibers

**Q.14** The correct term for the end of a bone is \_\_\_\_\_.

- a) Terminal end
- b) Diaphysis
- c) Epiphysis
- d) Xiphoid

**Q.15** Hemophilia (A) is due to deficiency of clotting factor \_\_\_\_\_.

- a) VIII
- b) IX
- c) X
- d) V

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**F.Y. B.SC. (NURSING) (2007 COURSE) : WINTER- 2018**

**SUBJECT: ANATOMY AND PHYSIOLOGY**

Day: Wednesday  
Date: 03/10/2018

Time: 10.00 A.M. TO 01.00 P.M.  
Max. Marks: 60

W-2018-4015

**N.B:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in the **SEPARATE** answer book.

**SECTION-B**

- Q.1** Describe shoulder joint in detail about classification, ligament, muscles and movements. (15)

**OR**

Enumerate parts of Digestive system. Describe Stomach in detail.

- Q.2** Write short notes on **ANY FIVE** of the following: (15)

- a) Spermatic cord
- b) Left lung
- c) Structure of Ear
- d) Functions of spleen
- e) Thyroid gland
- f) Midbrain
- g) Blood supply of heart

**SECTION-C**

- Q.3** Define Menstrual cycle with the help of labeled diagram, Describe different phases of Menstrual cycle in detail. (15)

**OR**

Classify Blood groups. Enumerate the factors involved in Blood Coagulation and Describe in detail mechanism of coagulations.

- Q.4** Write short notes on **ANY FIVE** of the following: (15)

- a) Neurotransmitter
- b) Spermatogenesis
- c) Factors affecting Respiration
- d) Functions of Kidney
- e) Reflex arch
- f) ADH
- g) Portal circulation

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