

F.Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2018
SUBJECT: ANATOMY AND PHYSIOLOGY

Day: **Monday**
Date: **16/04/2018**

Time: **10.00 AM TO 01.00 PM**
Max. Marks: 15

S-2018-3857

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.: _____
Marks Obtained: _____

Signature of Supervisor: _____

SECTION-A

Q.1 Spinal cord in adult ends at the level of _____.

- | | |
|---|--------------------------|
| a) Lower Border of T ₁₂ vertebra | <input type="checkbox"/> |
| b) Lower Border of L ₁ vertebra | <input type="checkbox"/> |
| c) Lower Border of L ₂ vertebra | <input type="checkbox"/> |
| d) Lower Border of L ₃ vertebra | <input type="checkbox"/> |

Q.2 Hemophilia is due to deficiency of clotting factor.

- | | |
|---------|--------------------------|
| a) VIII | <input type="checkbox"/> |
| b) IX | <input type="checkbox"/> |
| c) X | <input type="checkbox"/> |
| d) V | <input type="checkbox"/> |

Q.3 Which of the following is completely reabsorbed in the proximal convoluted tubule?

- | | |
|------------|--------------------------|
| a) Sodium | <input type="checkbox"/> |
| b) Urea | <input type="checkbox"/> |
| c) Glucose | <input type="checkbox"/> |
| d) Water | <input type="checkbox"/> |

Q.4 Following are content of cubital fossa **Except** _____.

- | | |
|---------------------|--------------------------|
| a) Median Nerve | <input type="checkbox"/> |
| b) Brachial Nerve | <input type="checkbox"/> |
| c) Tendon of Biceps | <input type="checkbox"/> |
| d) Ulnar Nerve | <input type="checkbox"/> |

P.T.O.

- Q.5** One purpose of lymph nodes is to _____.
- a) Trap microphages
 - b) Trap antigens
 - c) Trap antibodies
 - d) Trap Hormones
- Q.6** Total no. of bones in human body are _____.
- a) 200
 - b) 208
 - c) 198
 - d) 201
- Q.7** Pressure in vena cava and right atrium is called _____.
- a) Peripheral venous pressure
 - b) Systolic pressure
 - c) Central venous pressure
 - d) Diastolic pressure
- Q.8** Gluteus maximus is supplied by _____.
- a) Superior gluteal nerve
 - b) Inferior gluteal nerve
 - c) Obturator nerve
 - d) Femoral nerve
- Q.9** Somato sensory cortex exhibits highest degree representation for _____.
- a) Lips
 - b) Thumb
 - c) Head
 - d) Trunk
- Q.10** QRS complex in ECG is recorded due to _____.
- a) Atrial repolarization
 - b) Atrial depolarization
 - c) Ventricular depolarization
 - d) Ventricular repolarization

Q.11 Following are branches of external carotid artery **Except** _____.

- a) Facial Artery
- b) Superior Thyroid Artery
- c) Lingual Artery
- d) Inferior Thyroid Artery

Q.12 Chief inspiratory muscle is _____.

- a) Anterior serratus
- b) Diaphragm
- c) Sternocleidomastoid
- d) External oblique

Q.13 Normal RBC count in adult male is _____.

- a) 2 to 2.5 millions/ cmm of blood
- b) 2.5 to 3.5 millions/ cmm of blood
- c) 4.1 to 6.1 millions/ cmm of blood
- d) None of the above

Q.14 Urinary bladder is lined by _____.

- a) Squamous epithelium
- b) Transitional epithelium
- c) Columnar epithelium
- d) Cuboidal epithelium

Q.15 Shoulder joint is classified as _____.

- a) Pivot
- b) Ball and socket
- c) Condylar
- d) Secondary cartilaginous

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Time: **10.00 AM TO 01.00 PM**
Max. Marks: 60

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- 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.
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SECTION-B

Q.1 Describe Hip joint under the following: (15)

- a) Classification
- b) Bones taking part
- c) Movements and muscles causing them.

OR

Enumerate the parts of Female Reproduction system, Explain functions of fallopian tube. Describe in detail about uterus.

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

- a) Explain right atrium in detail
- b) Enumerate five arteries where pulse can be taken and describe their locations
- c) Parotid gland
- d) Stomach
- e) Midbrain
- f) Cell mediated immunity
- g) Muscles of Respiration

SECTION-C

Q.3 Classify Blood groups. Describe the ABO blood group system. Add a note on mismatched blood Transfusion. (15)

OR

Define Glomerulo Filtration Rate. Write in detail the mechanism of urine formation.

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

- a) Functions of liver
- b) Factors affecting blood pressure
- c) Functions of CSF
- d) Reflex arch
- e) Blood supply of Tongue
- f) Spermatogenesis
- g) Physiology of hearing

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