

**F.Y. B.SC. (NURSING) (2007 COURSE) : WINTER - 2017**

**SUBJECT : ANATOMY & PHYSIOLOGY**

Day : Tuesday  
Date : 03/10/2017

**W-2017-3730**

Time : —  
Max. Marks : 15

**N.B.:**

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

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

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

Jr. Supervisor's Signature: \_\_\_\_\_

Signature of the Examiner: \_\_\_\_\_

**SECTION – I**

- 1) Urinary bladder is located in the region \_\_\_\_\_.
  - a)  Umbilical
  - b)  Hypogastric
  - c)  Right inguinal
  - d)  Left inguinal
- 2) Which of following muscle is also known as an accessory muscle?
  - a)  Diaphragm
  - b)  Sternocleido mastoid
  - c)  External intercostal
  - d)  Internal intercostal
- 3) Purpose of lymph node is to \_\_\_\_\_.
  - a)  Trap antigens
  - b)  Trap macrophages
  - c)  Trap antibodies
  - d)  Trap hormones
- 4) The process of blood formation is known as \_\_\_\_\_.
  - a)  Haemoptysis
  - b)  Haemopoiesis
  - c)  Hematology
  - d)  Heamocytes

**P.T.O.**

- 5) Center for temperature regulation in brain \_\_\_\_\_.
- a)  Pons
  - b)  Hypothalamus
  - c)  Medulla
  - d)  Pituitary gland
- 6) Ovulation day in 28 days menstrual cycle is \_\_\_\_\_.
- a)  14<sup>th</sup> day
  - b)  10<sup>th</sup> day
  - c)  7<sup>th</sup> day
  - d)  15<sup>th</sup> day
- 7) Hip joint is classified as \_\_\_\_\_.
- a)  Hinge
  - b)  Ball and Socket
  - c)  Saddle
  - d)  Pivot
- 8) Cerebrospinal fluid is present in \_\_\_\_\_.
- a)  Extradural space
  - b)  Subdural space
  - c)  Subarachnoid space
  - d)  All of the above
- 9) 'P' wave in ECG is due to \_\_\_\_\_.
- a)  Ventricular depolarization
  - b)  Atrial depolarization
  - c)  Atrial repolarization
  - d)  Ventricular repolarization
- 10) Amount of fluid filtered through glomeruli of both kidney per day.
- a)  70 to 80 liters
  - b)  90 to 120 liters
  - c)  100 to 110 liters
  - d)  180 to 200 liters

- 11) Urinary bladder is lined by \_\_\_\_\_.
- a)  Stratified squamous keratinized epithelium
  - b)  Stratified squamous non keratinized epithelium
  - c)  Transitional epithelium
  - d)  Pseudo stratified columnar epithelium
- 12) Nucleoli of the cell contains \_\_\_\_\_.
- a)  RNA
  - b)  DNA
  - c)  DNA and RNA
  - d)  None of the above
- 13) Lumbar puncture in adult is done at the vertebral level of
- a)  T<sub>12</sub> to L<sub>1</sub>
  - b)  L<sub>1</sub> to L<sub>2</sub>
  - c)  L<sub>2</sub> to L<sub>3</sub>
  - d)  L<sub>4</sub> to L<sub>5</sub>
- 14) Pancreas secretes \_\_\_\_\_.
- a)  FSH
  - b)  Insulin
  - c)  Progesterone
  - d)  Androgens
- 15) Following are the contents of cubital fossa EXCEPT:
- a)  Median Nerve
  - b)  Brachial Artery
  - c)  Tendon of Biceps brachia muscle
  - d)  Ulnar Nerve

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Day : Tuesday  
Date : 03/10/2017

**W-2017-3730**

Time : 09.00 A.M. TO 12.00 NOON  
Max. Marks : 60

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION – II**

- Q.1** Write short notes on **ANY FIVE** of the following: [15]
- a) Classification of joints
  - b) Spleen
  - c) Structure of Nephron
  - d) Name the branches of coronary artery
  - e) Gluteus muscle
  - f) Salivary glands
  - g) Right lung

- Q.2** Describe mammary glands under the following headings:
- a) Shape and surfaces. [05]
  - b) Structures and blood supply. [05]
  - c) Lymphatic drainage and applied anatomy. [05]

**OR**

- Describe the shoulder joint under the following headings:
- a) Classification and bones taking part. [10]
  - b) Movements and muscle producing them. [05]

**SECTION – III**

- Q.3** Write short notes on **ANY FIVE** of the following: [15]
- a) Spermatogenesis
  - b) Functions of spleen
  - c) Reflex arch
  - d) Hormones of thyroid gland
  - e) Cerebro spinal fluid
  - f) Physiology of hearing
  - g) Functions of saliva

- Q.4** Describe in detail about cardiac cycle. [15]

**OR**

- Draw a neat diagram of liver and enumerate the function of liver. [15]

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