



BRAINWARE UNIVERSITY

Pharmacy
B.T. Pharmacy
B.T. Technology
University
Bapatna - 700125

Term End Examination 2023

Programme – B.Pharm-2019/B.Pharm-2020/B.Pharm-2021/B.Pharm-2022

**Course Name – Human Anatomy and Physiology II/Human Anatomy and Physiology II
– Theory**

**Course Code - BP201T
(Semester II)**

Full Marks : 75

Time : 3:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. *Choose the correct alternative from the following :*

- (i) Select the correct name of the part of external genitalia
- | | |
|-------------|---------------------|
| a) Clitoris | b) Uterus |
| c) Ovary | d) All of the above |
- (ii) Identify the name of parts of uterus is/are
- | | |
|-----------|-----------------|
| a) Cervix | b) Body |
| c) Fundus | d) All of these |
- (iii) Select the correct option for the following: The outer layer of testes is
- | | |
|---------------------|---------------------|
| a) Tunica vasculosa | b) Tunica vaginalis |
| c) Tunica albuginea | d) Vas deferens |
- (iv) Name the organ of male reproductive system from the following
- | | |
|------------|-------------|
| a) Vagina | b) Cervix |
| c) Scrotum | d) Clitoris |
- (v) Select the correct name for hormone which is responsible for stretching of uterus during childbirth
- | | |
|-----------------|--------------|
| a) FSH | b) Oxytocine |
| c) Testosterone | d) Androgen |
- (vi) Identify the correct option from following: Ovulation is occurred on the day of
- | | |
|---------|---------|
| a) 12th | b) 5th |
| c) 14th | d) 20th |

- (vii) Select the appropriate answer for: Descent of testes into the scrotum should be complete by
- a) 3rd month of fetal life
b) 5th month of fetal life
c) 7th month of fetal life
d) 8th month of fetal life
- (viii) Select the correct option from following: First polar body formed after
- a) Meiosis II
b) Mitosis
c) Meiosis I
d) None of the above
- (ix) Select the correct answer for the following: Semen secrets from
- a) Prostate gland
b) Testes
c) Scrotum
d) Vas deferens
- (x) Select the appropriate answer for : Leydig cells are present in
- a) Between seminiferous tubules
b) Between vas deferens
c) Between fallopian tubes
d) None of these
- (xi) Identify the correct option from following: The normal pregnancy time period is
- a) About 35 weeks
b) About 40 weeks
c) About 27 weeks
d) About 50 weeks
- (xii) Identify the correct option for start codon
- a) AUG
b) GUG
c) UAG
d) AGG
- (xiii) Select the correct answer from the following options: Which is NOT a stop codon?
- a) UAA
b) GGA
c) UAG
d) UGA
- (xiv) Identify the correct answer : Ulceration of the gastrointestinal mucosa is termed as
- a) Congenital pyloric stenosis
b) Pancreatitis
c) Gastritis
d) Peptic ulcer
- (xv) Choose the correct option: The site of respiration inside the lungs are _____
- a) Alveoli
b) Diaphragm
c) Bronchi
d) Bronchioles
- (xvi) Identify the correct option: The epithelial tissues present on the inner surface of bronchioles _____
- a) Squamous
b) Ciliated
c) Glandular
d) Cuboidal
- (xvii) Choose the correct option: The structure which closes of larynx is _____
- a) Epiglottis
b) Vocal cords
c) Adam's apple
d) Glottis
- (xviii) Choose the correct option: The right and left lungs are divided into
- a) 3 lobes and 2 lobes respectively
b) 2 lobes and 3 lobes respectively
c) 3 lobes each
d) None of the above
- (xix) Choose the correct option: The rate of respiration is
- a) 16 – 18/minute
b) 20 -24/minute
c) 72/minute
d) 8-10/minute
- (xx) Choose the correct option: The bladder is lined with _____ epithelium.
- a) Simple columnar
b) Transitional
c) Stratified squamous
d) Simple cuboidal
- (xxi) Choose the correct option: The kidney structure in which urine is formed is known as
- a) Calyx
b) Nephron
c) Neuron
d) Nephridian

Group-B

(Short Answer Type Questions)

5 x 7=35

2. Define afferent and efferent nerve. (5)
3. Describe the regulation of respiration. (5)
4. Define tidal volume and residual volume of lung. (5)
5. Explain the mechanism of breathing. (5)
6. Explain briefly the ovulation process. (5)
7. Explain the types of respiration. (5)

OR

Write Short Note on Residual volume & Total lung capacity. (5)

8. Explain the GFR and give its normal value. (5)

OR

Describe the structure of chromosome with labelled diagram and functions. (5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Sketch a labelled diagram of portion of alimentary canal showing the location of Gall bladder and pancreas and duodenum with their function. (10)
10. Explain the process of urine formation. (10)

OR

Explain about the structure and function of nephron with diagram. (10)
