



17547

**BRAINWARE UNIVERSITY**

Term End Examination 2024-2025
Programme – B.Sc.(FND)-Hons-2024
Course Name – Human Physiology II
Course Code - BFD27102 (T)
(Semester II)

Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 40**Time : 2:0 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 10=10

1. Choose the correct alternative from the following :

- (i) Which enzyme is produced by the pancreas to digest proteins?
 - a) Amylase
 - b) Lipase
 - c) Trypsin
 - d) Insulin
- (ii) State the name of the organ that produces most of the digestive enzymes in the body.
 - a) Liver
 - b) Gallbladder
 - c) Pancreas
 - d) Stomach
- (iii) State the function of the pancreas in digestion process.
 - a) Production of bile
 - b) Production of digestive enzymes
 - c) Absorption of nutrients
 - d) Storage of food
- (iv) Name the hormone that contains iodine.
 - a) Adrenaline
 - b) Thyroxine
 - c) Insulin
 - d) Estrogen
- (v) Name the area from where Oxytocin is secreted.
 - a) Anterior pituitary
 - b) Parathyroid gland
 - c) Adrenal cortex
 - d) Posterior pituitary
- (vi) Name the hormone that is secreted from Corpus luteum.
 - a) Luteinizing hormone
 - b) Estradiol
 - c) Testosterone
 - d) Progesterone
- (vii) Identify the organ where adrenal gland is located.
 - a) Heart
 - b) Kidney
 - c) Liver
 - d) Pancreas

(viii) Choose the correct name of the fertilized egg.

- | | |
|---------------|-----------|
| a) Blastocyst | b) Zygote |
| c) Fetus | d) Embryo |

(ix) Recall the name of the male gonads that produce sperm.

- | | |
|-------------|---------------------|
| a) Ovaries | b) Testes |
| c) Prostate | d) Seminal vesicles |

(x) Write down the name of organ in the human body that helps to maintain balance.

- | | |
|----------|-----------|
| a) Heart | b) Tongue |
| c) Liver | d) Ear |

Group-B

(Short Answer Type Questions)

3 x 5=15

- | | |
|---|-----|
| 2. Discuss the functions of neurone. | (3) |
| 3. Describe neurotransmitter. Give two examples. | (3) |
| 4. Establish the functions of thyroid gland. | (3) |
| 5. Describe the role of the gallbladder in the digestive process. | (3) |
| 6. Explain menstrual cycle. | (3) |

OR

Explain Oogenesis.	(3)
--------------------	-----

Group-C

(Long Answer Type Questions)

5 x 3=15

- | | |
|--|-----|
| 7. List the major organs of the gastrointestinal (GI) tract in the order food travels through them. | (5) |
| 8. Explain the digestion of proteins in the stomach and the small intestine. | (5) |
| 9. Evaluate the specific roles of hormones like follicle-stimulating hormone (FSH) and luteinizing hormone (LH) in regulating spermatogenesis. | (5) |

OR

Summarize structure and function of prostate gland.	(5)
---	-----
