



Faculty of Pharmacy

End Semester Examination May 2025

PY3CO05 Human Anatomy & Physiology -II

Programme	: B.Pharm.	Branch/Specialisation	: -
Duration	: 3 hours	Maximum Marks	: 75

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Section 1 (Answer all question(s))

Marks CO BL

Q1. Define cerebrospinal fluid.

2 1 1

Rubric	Marks
Define cerebrospinal fluid. 2 marks (Only Definition)	2

Q2. Give the names of any two brain lobes.

2 1 1

Rubric	Marks
each lobe carry 1 mark	2

Q3. Write any four functions of stomach.

2 2 1

Rubric	Marks
each function carry 0.5 mark	2

Q4. Explain the roles of ATP.

2 2 1

Rubric	Marks
any two role each carry 1 mark	2

Q5. What are the different parts of the kidney?

2 4 1

Rubric	Marks
give different part of kidney -2 marks	2

Q6. Write down the total capacity of lungs.

2 3 1

Rubric	Marks
explanation of the total capacity of lungs. 2 marks	2

Q7. Write any two functions of the thymus.

2 4 1

Rubric	Marks
each function carry 1 mark	2

Q8. How many hormones are secreted by the anterior pituitary?

2 4 1

Rubric	Marks
give any two hormones name each carry 1 mark	2

Q9. Define chromosomes.

2 5 1

Rubric	Marks
Definition of Chromosomes carry 2 marks (Definition)	2

Q10. Enlist the different phases of menstruation.

2 5 1

Rubric	Marks
give any 4 phases name each carry on 0.5 marks	2

Section 2 (Answer any 2 question(s))

Marks CO BL

Q11. What is the nervous system? Explain types and parts of neuron with well labelled diagram.

10 1 2

Rubric	Marks
definition- 2 marks, parts 4 marks and types 4 marks	10

Q12. Explain the formation and role of ATP and Creatinine Phosphate.

10 2 2

Rubric	Marks
Formation and role of ATP -5 marks ,Formation and role of Creatinine Phosphate- 5 marks	10

Q13. Discuss anatomy of brain. Explain the physiology of spinal cord.

10 2 1

Rubric	Marks
(a) Explain anatomy of brain	5
(b) Explain the physiology of spinal cord	5

Section 3 (Answer any 2 question(s))

Marks CO BL

Q14. Explain the anatomy of lungs with a well labelled diagram.

5 3 1

Rubric	Marks
anatomy of lungs 3 marks , and diagram 2 marks	5

Q15. Write an anatomy and physiology of nephron?

5 4 1

Rubric	Marks
anatomy of nephron -2.5 marks, and physiology of nephron 2.5	5

Q16. Discuss about artificial respiration.

5 3 1

Rubric	Marks
Explain the Artificial respiration. 5 marks	5

Section 4 (Answer any 2 question(s))

Marks CO BL

Q17. Write a note on the structure and function of the thyroid gland.

5 4 1

Rubric	Marks
structure thyroid gland- 2.5 marks and function of the thyroid gland -2.5 marks	5

Q18. Write the classification of hormones.

5 4 1

Rubric	Marks
classification of hormones -5 marks	5

Q19. Write in detail about Hypothyroidism and Hyperthyroidism.

5 4 2

Rubric	Marks
Hypothyroidism- 2.5 marks and Explain Hyperthyroidism- 2.5 marks	5

Section 5 (Answer all question(s))

Marks CO BL

Q20. Explain the anatomy of male reproductive system with a neat diagram.

5 5 2

Rubric	Marks
anatomy of male reproductive system - 2 marks neat diagram of male reproductive system - 3 marks	5

Q21. Describe the different trimesters of pregnancy.

5 5 2

Rubric	Marks
the different trimesters of pregnancy- 5 marks	5

Q22. Elaborate the process of protein synthesis.

5 5 2

Rubric	Marks
process of protein synthesis -5 marks	5
