

UG Odd Semester (CBCS) Exam., December—2016

PHARMACEUTICAL SCIENCE

(3rd Semester)

Course No. : BPHCC-307

[Anatomy Physiology and Pathophysiology—III
(Application—III)]

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **five** questions, selecting **one** from each Unit

UNIT—I

1. (a) Write the name and the functions of the hormones secreted from anterior pituitary gland. 9
- (b) Discuss the role of hypothalamus in regulating hormone secretions. 5

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(Turn Over)

2. (a) What are adrenocorticoids? Discuss the functions of glucocorticoids. 8
- (b) Discuss the role of aldosterone in maintaining blood pressure. 6

UNIT—II

3. (a) Describe the events in a nephron during formation of urine. 10
- (b) Write the abnormal constituents of urine. 4
4. (a) Explain the mechanism in regulation of acid-base balance in the body. 9
- (b) Explain the organization of nephron with labelled diagram. 5

UNIT—III

5. What do you mean by reproductive system? Discuss anatomy and physiology of male reproductive system with suitable diagram. 2+12=14
6. Define menstruation. Describe the different stages of menstruation cycle with neat diagram. 2+12=14

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(Continued)

(3)

UNIT—IV

7. (a) Define demography and demographic cycle. $2+4=6$
- (b) State the population problem in India and give your suggestion to solve it. 8
8. (a) Define first aid. What are the objectives of a first aid training programme? What are the rules of first aid? $2+2+3=7$
- (b) What are resuscitation method? Explain mouth-to-mouth breathing method. $3+4=7$

UNIT—V

9. Write the causative agents, mode of transmission and prevention of—
- (a) typhoid;
- (b) tuberculosis;
- (c) chickenpox. $4+5+5=14$
10. (a) What do you mean by communicable diseases and their preventions? 4
- (b) Write short notes on malaria and AIDS. 10

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