

[Total No. of Questions - 5] [Total No. of Printed Pages - 2]
(2124)

1711

B. Pharmacy (Ayurveda) 1st Semester Examination
Fundamentals of Physiology (OS)

Paper-2

Time : 3 Hours

Max. Marks : 90

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt all questions. Draw neat/clean diagrams.

1. Discuss physiology of muscle contraction in detail. Discuss events during nerve impulse generation. (10+5=15)
2. Draw a clean diagram of digestive system. Discuss physiology of digestion with special mention of digestive enzymes and impact of pH. (15)
3. Give importance of glomerular filtration. How kidney dysfunction accumulates harmful biochemicals in the body. Comment on plasma clearance. (10+5=15)
4. Discuss physiology of posterior pituitary hormones, also mention significance of growth hormone. Discuss hormones of testes and ovary in brief. (10+5=15)
5. Answer any five:
 - (a) Give physiological significance of blood cellular components.

[P.T.O.]

- (b) Give functions of Thyroid hormones. How their synthesis is influenced by Iodine?
 - (c) Discuss nutritional deficiency and vitamin deficiency disorders.
 - (d) Discuss functions of sleep. How RAS influence sleep?
 - (e) Discuss functions of lymphatic system.
 - (f) How various hormones influence menstrual cycle
Discuss disorders of menstrual cycle in relation to
progesterin.
(5×6=30)
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