

[Total No. of Questions - 7] [Total No. of Printed Pages - 2]
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B. Pharmacy (Ayurveda) 1st Semester Examination

Fundamentals of Physiology (NS)

BPA-122

Time : 3 Hours

Max. Marks : 70

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 : Question no. 1 is compulsory. Attempt any five questions from the remaining six.

1. (a) Name the hormones regulating the calcium homeostasis in our body.
 - (b) State the functions of neuroglia.
 - (c) Define the respiratory dead space.
 - (d) Enumerate hormones secreted from adrenal cortex.
 - (e) Define plasma clearance.
 - (f) State the functional difference between rods and cones of retina.
 - (g) List the enzymes secreted from pancreas.
 - (h) Name the cellular components of blood.
 - (i) Define blood pressure and state its normal value.
 - (j) State the principle for pregnancy test. (2×10=20)
2. Describe the mechanisms of skeletal muscle contraction.

(10)

2

16420

3. Describe the functions of hormones secreted from posterior pituitary. (10)
4. Describe the functions of liver. (10)
5. Describe the hormonal regulation of ovarian functions. (10)
6. Describe mechanisms involved in capillary fluid exchange and explain how edema is produced. (10)
7. Describe the role of brain stem in regulation of respiration. (10)