



SB-1144

First Year B. Pharm. Examination

March / April – 2011

PH - 104 : Human Anatomy, Physiology & Health Education

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शावेल निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="F. Y. B. Pharm."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="PH - 104 : Hum. Anat., Physio. & Health Educa."/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="4"/>	Section No. (1, 2,.....) : <input type="text" value="1&2"/>
Student's Signature	

- (2) Attempt **all** questions.
(3) Figure on **right** side indicate marks.
(4) Draw figure wherever **necessary**.

SECTION - I

- 1 Attempt the following :
- (a) What are the various phases of Cell cycle ? Explain in detail Mitotic phase. 8
- OR
- (a) Write a detailed note on physiology of Muscle contraction. 8
- (b) Differentiate between (i) Active and Passive transport. 3
- 2 Any **three** : 12
- (a) Explain function of estrogen.
- (b) Function of WBC.
- (c) Write a note on menstruation cycle.
- (d) Draw a neat labeled diagram of digestive system.
- 3 Write in detail :
- (a) Describe in detail Protein synthesis. 6
- (b) Enumerate method of family planning. Discuss surgical method in brief. 6

OR

- (b) Classify vitamins. Discuss sources and deficiency diseases of vitamin A and Vitamin C. 6

SECTION - II

- 4 (a) Explain following terms : (Any seven) 7
(a) Mitosis
(b) Oogenesis
(c) Heart burn
(d) Pinocytosis
(e) Exocrine gland
(f) stroke volume
(g) Expiratory reserve volume
(h) Roulex formation
(i) Haemopoesis.
- (b) Give the function of following : (Any four) 4
(a) Lymph node
(b) Cochlea
(c) Parathyroid hormone
(d) Insulin
(e) TSH
(f) Golgi body.
- 5 Attempt the followings : 8
(a) Write in detail about eye.
- OR**
- (a) Write note on histamine.
(b) Explain regulation of blood pressure. 4
- 6 Attempt any two : 12
(a) Physiology of hearing.
(b) Cranial nerves.
(c) First aid treatment for fracture and poisoning.
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