



**RB-1307-08**

**First Year B. Pharm. Examination**

**April / May – 2010**

**PH-104 : Anatomy Physiology & Health Education**

Time : 3 Hours]

[Total Marks : 70

**RB-1307**

**Instruction :**

नीचे दृशावेक 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 : Anatomy Physiology &amp; Health Education"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="7"/>	<input type="text"/>
Section No. (1, 2,.....): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

- 1 Attempt the following.
- (a) Draw a neat and labelled diagram of Brain. Write the function of Hypothalamus. 8
- OR**
- (a) (i) Structure and function of skin.  
(ii) Write about secretions of Pancreas.
- (b) Classification of Epithelial tissues. 3
- 2 Any three : 12
- (i) Write a note on menstruation cycle.
- (ii) Diffeentiate between autonomic and peripheral nervous system.
- (iii) Discuss the mechanism of respiration.
- (iv) Give functions of Liver.
- 3 (a) Draw a neat and labelled diagram of Eye. Explain the Physiology of Vision. 6
- (b) Define Cardiac cycle. Describe each event in detail. How it correlates with ECG? 6

**OR**

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**1**

**[Contd...**

- (b) Define Blood Pressure. Explain in detail the factors affecting BP. **6**
- 4** (a) Define (any **seven**) **7**
- (i) Phagocytosis
  - (ii) Chemotaxis
  - (iii) Vital capacity
  - (iv) Homeostasis
  - (v) Autocoids
  - (vi) Neuron
  - (vii) Osteoporosis
  - (viii) Cartilaginous joints
  - (ix) Rheumatoid Arthritis
- (b) Give functions of followings (any **four**) **4**
- (i) Mitochondria
  - (ii) Platelets
  - (iii) Gastric juice
  - (iv) Cerebrum
  - (v) Histamine
  - (vi) Insulin
- 5** (a) What is family planning? Enumerate methods of family planning. Discuss surgical method in brief. **8**
- OR**
- (a) (i) Explain communicable and non-communicable diseases **4**
- (ii) Draw a neat labeled diagram of the male reproductive system. **4**
- (b) Write a note on Cranial nerves. **4**
- 6** Any **two** : **12**
- (a) Explain in detail, physiology of Muscle contraction
  - (b) Classify joints and write a detailed note on Synovial Joint.
  - (c) Draw a neat and labeled diagram of functional units of kidney. Explain the Physiology of Urine formation.