

15U248

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Name.....

Reg. No.....

FIRST YEAR B.P.Ed. DEGREE EXAMINATION, JUNE 2016

CC15U BPE1 T2- BASIC AND SYSTEMIC ANATOMY

(2015 Admission)

Time: Three Hours

Maximum: 75 Marks

Answer any *five* questions of which *three* questions should be from **Part A** and *two* questions from **Part B**, including **question 8** which is **compulsory**.

PART A

(1) Describe with the help of a diagram the structure of the human heart (10 marks). How does the human heart works in relation to the heart beat and heart rate (5 Marks)

(15 Marks)

(2) Give short descriptions on:-

- (a) Adrenal gland
- (b) Cerebrum
- (c) Radial bone

(3x5=15 Marks)

(3) (a) Anatomical positions
(b) Maintenance of posture and equilibrium
(c) Short description on Knee joint

(3x5=15 Marks)

(4) Explain in brief the following:-

- (a) Vital capacity of lungs
- (b) Functions of the skin
- (c) Body fluids

(3x5=15 Marks)

(5) Explain briefly about the structure of the following:-

- (a) Ear
- (b) Nephrons
- (c) Cell

(3x5=15 Marks)

PART B

(6) Describe with the help of a diagram the cross sectional structure of a typical voluntary muscle. (15 Marks)

(7) Briefly explain the following:-

- (a) Hypertension and Hypotension
- (b) The biochemistry of blood clot
- (c) Nucleus and Nucleus acids

(3x5=15 Marks)

(8) Write short notes on any five of the following:-

(3x5=15 Marks)

- (a) Cerebellum
- (b) Thyroid gland
- (c) Ear
- (d) Myopia
- (e) Brain
- (f) Arteries
- (g) Tidal air
- (h) Shoulder joint
