

Physiology

[New Scheme w.e.f. 2009]

Time: 3 Hours**Max Marks: 80**

- Note:** 1.) *Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
4.) **The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

SECTION - A**[40 Marks]**

1. **Write short Notes up to 5 lines in length.** [5x3=15]
(a) Diffusion
(b) Motor unit
(c) Blood pressure
(d) Formation of haemoglobin
(e) Thyroid stimulating hormone.
2. **Answer the following question upto 3 pages in length.** [10]
Discuss cardiac cycle with a well labelled diagram.
3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
(a) Glomerular filtration rate and its regulation.
- OR**
- (b) Describe the role of cerebellum and basal ganglia in overall motor control of the body.

SECTION - B**[40 Marks]**

4. **Write short Notes up to 5 lines in length.** [5x3=15]
(a) Hypoxia.
(b) Smooth muscle.
(c) Small intestine secretions
(d) Diabetes
(e) Active transport
5. **Answer the following question upto 3 pages in length.** [10]
Discuss in detail chemical and neural control of respiration.
6. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
(a) Discuss gastric secretions and its regulations.
- OR**
- (b) Discuss in detail the neuromuscular transmission.
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