

Day : Wednesday
Date : 24/10/2018

W-2018-1291

Time : 02.00 PM TO 05.00 PM
Max. Marks : 60

N.B.:

- 1) **Q.No. 1 and Q.No.5** are **COMPULSORY**. Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Attempt **ANY FIVE** of the following: **[10]**
- a) Enumerate different lobes of cerebral hemisphere with one function of each.
 - b) Enlist steps in blood clotting mechanism.
 - c) State any four excitatory neurotransmitters.
 - d) Draw a diagram showing origin and spread of cardiac impulse.
 - e) State functions of connective tissue.
 - f) State functions of Saliva.
- Q.2** Attempt the following. **[10]**
- a) Describe nervous regulation of respiration.
 - b) Describe functions of cerebellum.
- Q.3** Attempt the following. **[10]**
- a) Describe ovarian changes during menstrual cycle.
 - b) Describe structure of skeletal muscle.
- Q.4** Write a note on **ANY TWO** of the following: **[10]**
- a) Functions of bile
 - b) Actions of Progesterone
 - c) Muscles of inspiration

SECTION – II

- Q.5** Attempt the following **[10]**
- a) Describe actions of Thyroid hormones.
 - b) Describe functions of Juxtaglomerular apparatus.
- Q.6** Write notes on **ANY TWO** of the following: **[10]**
- a) Anticoagulants
 - b) Basal metabolic rate
 - c) 'G' proteins
- Q.7** Attempt the following **[10]**
- a) Describe different methods of collection of blood.
 - b) Classify vitamins. Describe actions of Vitamin D.
- Q.8** Discuss Liver functions tests. **[10]**

OR

State components of balanced diet. Describe recommended dietary allowances for a pregnant women.

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