

This Question Paper contains 8 printed pages.  
(Section A, B, C & D)

Sl.No. **0347**

**11 (E)**

(JULY, 2018)  
(NCERT SRT)

**Time : 3 Hours]**

**[Maximum Marks : 80**

**Instructions :**

- 1) All the questions are compulsory.
- 2) The question paper consists of 30 questions divided into four sections A, B, C and D. Section A comprises of 8 questions of one mark each. Section B comprises of 6 questions of two marks each. Section C comprises of 10 questions of 3 marks each & Section D comprises of 6 questions of 5 marks each.
- 3) All questions in Section A are to be answered in one word or one sentence. The Section B, C & D are to be answered as per requirement of question.
- 4) There is no overall choice.
- 5) Use of calculator is not permitted.

**SECTION - A**

■ Answer the following questions (Q.No.1 to 8) in short. Each question carries 1 mark.

- 1) a) Write the formula used to determine the maximum number of electrons which a shell in an atom can accommodate.  
b) Write the electronic configuration of the element carbon. [1]
- 2) What is geothermal energy? [1]
- 3) Name the following in the digestive system of human beings: [1]
  - a) The substance which facilitates the action of pepsin.
  - b) The structure which increases the area of absorption in small intestine.

- 4) Why is CNG considered an environment friendly fuel? [1]
- 5) List any two activities controlled by cerebellum. [1]
- 6) Which phenomenon of light is responsible for its dispersion reflection or refraction? [1]
- 7) Why do ionic compounds have high boiling point? [1]
- 8) Why is a normal eye not able to see clearly the objects placed closer than 25 cm? [1]

### SECTION - B

- Answer the following questions (Q.No. 9 to 14) in short. Each question carries 2 marks.

- 9) State briefly how the formation of micelles help to clean the clothes having oily spots. [2]
- 10) What are trophic levels? Give an example of a food chain and state the different trophic levels in it. [2]

