

SUMMATIVE ASSESSMENT – II (2015-16)

SCIENCE

Class – X

Time allowed : 3 hours

Maximum Marks : 90

General Instructions :

- (i) The question paper comprises of **two Sections, A and B**. You are to attempt both the sections.
- (ii) **All** questions are **compulsory**.
- (iii) There is no choice in any of the questions.
- (iv) **All** questions of **Section-A** and **all** questions of **Section-B** are to be attempted separately.
- (v) Question numbers **1 to 3** in **Section-A** are **one mark** questions. These are to be answered in **one word** or in **one sentence**.
- (vi) Question numbers **4 to 6** in **Section-A** are **two marks** questions. These are to be answered in about **30 words** each.
- (vii) Question numbers **7 to 18** in **Section-A** are **three marks** questions. These are to be answered in about **50 words** each.
- (viii) Question numbers **19 to 24** in **Section-A** are **five marks** questions. These are to be answered in about **70 words** each.
- (ix) Question numbers **25 to 33** in **Section-B** are multiple choice questions based on practical skills. Each question is a **one mark** question. You are to select one most appropriate response out of the four provided to you.
- (x) Question numbers **34 to 36** in **Section-B** are questions based on practical skills. Each question is a **two mark** question.

SECTION-A

1	Distinguish between saturated hydrocarbon and unsaturated hydrocarbon. (one point)	1
2	Name the parts where sperms are formed in a male's body egg are formed in a female's body.	1
3	Mention the name given to various steps of a food chain.	1
4	Name the part of eye where images formed in a normal human eye. State how the image position changes in myopia and hypermetropia.	2
5	Distinguish between renewable and non-renewable resources. Give one example of each.	2
6	Recycling is considered as a welcome practice to deal with the environmental problems. Justify this statement with two arguments.	2
7	What will you observe when you drop a small piece of sodium into ethanol ? Name the gas evolved. How will you test this gas ? Write the chemical equation of the reaction taking place.	3
8	(a) What is the need to classify elements ? (b) On what basis did Henry Moseley classify elements ? State his periodic law.	3
9	Why should we prefer vegetable oils over animal fats for cooking food ? Give a balanced chemical equation for the reaction for hydrogenation of vegetable oils. Name the catalysts in this reaction.	3
10	Two elements X and Y have atomic number 11 and 17 respectively. (a) Write the electronic configuration of both (b) Which type of bond will they form ? (c) Write the formula of the compound formed by them with each other	3
11	There is a subpopulation A and another subpopulation B. Both are separated by a natural	3

