

SUMMATIVE ASSESSMENT-II, 2013

SCIENCE

040813

Time : 3 hrs.

M.M. : 100

SECTION - A

Q.1 Fill in the blanks. (1×6=6)

- i) The main constituent of coal is _____.
- ii) Polythene carrybags _____ drains and sewers.
- iii) Non-identical twins are also called _____ twins.
- iv) The electrolytes and the electrodes used in electrolysis form an _____.
- v) The coloured, disc-shaped diaphragm in the eye is called the _____.
- vi) Petrol made from sources other than petroleum is called _____ petrol.

Q.2 Name the following. (1×6=6)

- i) The unchecked growth of weeds in water body.
- ii) The publisher of the Red Data Book.
- iii) Percentage of the energy requirement of our country met by coal.
- iv) A device that uses multiple reflections to produce patterns.
- v) A compound formed by ions.
- vi) A substance that is burnt with a view to obtain heat and light.

Q.3 Choose the correct answer. (1×6=6)

- i) Which of the following is hydrophobic ?
(a) cotton (b) linen
(c) jute (d) polyester
- ii) Inside the uterus, the embryo is protected by the –
(a) umbilical cord (b) fallopian tube
(c) amniotic sac (d) placenta
- iii) Which of the following is not derived from a fossil fuel?
(a) LPG (b) kerosene
(c) Diesel (d) Biogas
- iv) Gir National Park aims at saving –
(a) elephants (b) tigers
(c) lions (d) leopards
- v) Natural gas is used to produce –
(a) coke (b) carbon black
(c) biodiesel (d) coal tar
- vi) Reverse osmosis is used for the purification of –
(a) air (b) water
(c) air as well as water (d) neither air nor water

- Q.4 Give reasons for the following. (any three)** **(2×3=6)**
- i) Biodiversity is linked to our survival. (3)
 - ii) Use of CNG should be preferred over petrol and diesel.
 - iii) Deforestation causes floods and droughts.
 - iv) Metals are good conductors of electricity.
- Q.5 Define the following terms (any five).** **(2×5=10)**
- i) Dispersion ii) electrode iii) combustion
 - iv) polymer v) asexual reproduction
 - vi) global warming
- Q.6 Answer the following in not more than 20 words. (any two)** **(2×6=12)**
- i) Write three international organisations involved in the conservation of biodiversity.
 - ii) Name one animal in which reproduction takes place outside the body?
 - iii) Write names of three types of rays.
 - iv) What is an ion?
 - v) What is white light? Give example.
 - vi) What are the natural causes of deforestation?
 - vii) Name four water-borne diseases.
 - viii) What is wildlife?
- Q.7 Answer the following in not more than 40 words. (any six)** **(3×6=18)**
- i) What are endocrine glands? What do they do?
 - ii) What are thermoplastics and thermosetting plastics?
 - iii) Mention three disadvantages of using coal as a fuel.
 - iv) What are electrolytes? Give examples.
 - v) What is lateral inversion?
 - vi) How are petroleum and natural gas formed?
 - vii) How does carbon monoxide affect us?
 - viii) What is monoculture? What is the danger linked to this practice?
- Q.8 Answer the following in not more than 100 words. (any five)** **(5×5=25)**
- i) What do you understand by 'gender roles' ?
 - ii) Mention three advantages and three disadvantages of synthetic fibres in comparison to natural fibres.
 - iii) Describe a candle flame.
 - iv) Write the uses of electrolysis.
 - v) What vision-related problems occur when the diet lacks vitamin A?
 - vi) Write briefly about the stages in the formation of coal.

vii) Name 3 pollutants of air and mention their sources.

viii) What is an exotic species? How do exotic species harm biodiversity?

Q.9 Draw well-labelled diagrams. (any two)

(3×2=6)

i) The human eye

ii) Floating-dome biogas plant

iii) Image formed by ray that is reflected twice

iv) Operations at waterworks

Q.10 a) Look at the diagram given below and label the parts numbered (1) to (6).

(3)

b) Write the function of the part labelled (3).

(1)

c) Identify the diagram and give a suitable heading for it.

(1)

