

St. Mary's School, Samastipur

Second Periodic Examination, 2019

Class – VIII (A+B)

Subject – Science

Time - $2\frac{1}{2}$ hrs

F.M – 100

Q 1. (A) Tick the correct option:-

10×1 = 10

(i) Group of organisms of the same species from a -----.

- (a) Species (b) population
(c) biosphere (d) community

(ii) The endangered species that survives only on bamboo shoots is

- (a) Tiger (b) rhinoceros (c) giant panda (d) seaturtle

(iii) In foam-type fire extinguisher the chemical used along with aluminum sulphate is

- (a) Sodium carbonate (b) magnesium carbonate
(c) sodium bicarbonate (d) magnesium bicarbonate

(iv) Which of the following is the supporter of combustion?

- (a) Oxygen (b) nitrogen
(c) carbon-dioxide (d) water

(v) Petrol is used as a/an ----- for dry-cleaning clothes.

- (a) aviation fuel (b) lubricating oil
(c) solvent (d) grease

(vi) Peat contains ----- carbon.

- (a) More than 70% (b) 80%
(c) less than 60% (d) 100%

(vii) Sulphur react with oxygen to form-----.

- (a) Sulphur dioxide (b) sulphur nitrate
(c) sulphate (d) sulphide

(viii) The best malleable metal is -----.

- (a) Aluminum (b) copper (c) gold (d) zinc

(ix) Cellulose is made up of a large number of -----.

- (a) Amide (b) amino (c) glucose (d) sucrose

(x) The plastic used for making water pipes is -----.

- (a) melamine (b) polythene

(c) PVC

(d) bakelite

10×1 = 10

(B). Fill in the blanks:-

- (i) ----- are natural habitat of many species of animals, birds as well as plants.
- (ii) The only extinct animal among the following is -----.
- (iii) Complete combustion of wax takes place in ----- zone of a candle flame.
- (iv) A combustible substances does not burn in the absence of -----.
- (v) ----- is a constituent of petroleum which is used for making road surfaces.
- (vi) Refining of petroleum is done by -----.
- (vii) Metals like ----- are poor conductors of heat.
- (viii) Iron reacts with hydrochloric acid to produce ----- gas.
- (ix) Plastic wastes dumped in water cause -----.
- (x) ----- is used for making non-steck cook wares.

Q. 2 Complete the equation:-

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- (a) $Zn + H_2SO_4 \longrightarrow \text{-----} + H_2.$
- (b) $2K + \overset{2H_2O}{\text{-----}} \longrightarrow 2KOH + H_2 + \text{Heat}.$
- (c) $2Al + 6HCl \longrightarrow \text{-----} + 3H_2.$
- (d) $2Al + \text{-----} + 2H_2O \longrightarrow \text{-----} + 3H_2.$

Q. 3 Answer the following questions in one or two words:-

6×1 = 6

- (i) Name the fibre prepared by using wood pulp?
- (ii) Which metal is used for making foil to pack food stuff?
- (iii) In which delta natural gas has been found in India?
- (iv) Give the term used for the lowest temperature at which a substance reacts with oxygen to give heat and light.
- (v) Name any two solid fuels.
- (vi) What is the use wise and judicious use of all natural resourced called?

Q. 4 (A) Very short answer questions:-

10×2 = 20

- (i) Mention the activities not permitted in wildlife sanctuary?
- (ii) Are the dinosaurs endangered or extinct?
- (iii) Name three zones of candle flame?
- (iv) Write the calorific value of LPG?

- (v) Give the name of fuel which is non-polluting and used in vehicles?
- (vi) Name any two constituents of petroleum?
- (vii) Name the property because of which strings in guitar have to be of metal?
- (viii) Which metal is placed at the top of the reactivity series?
- (ix) Name the process by which artificial fibers are made?
- (x) Give any two examples of thermo plastics?

(B) Circle the old ones Give reasons for your choice:-

5×2 = 10

- (i) Bakelite, melamine, Formica, PVC
- (ii) Iodine, hydrogen, chlorine, nitrogen, sulphur
- (iii) Sunlight, petroleum, coal, natural gas
- (iv) Dry leaves, paper, glass, wood
- (v) Rhinoceros, tiger, elephant, deer, king cobra.

Q. 5 Short answer type questions:-

5×3 = 15

- (i) What are the categories into which the species listed in the red list are classified?
- (ii) What causes the greenhouse effect?
- (iii) What are fossils?
- (iv) What is meant by 'reactivity series of metals'?
- (v) What is plastic?

Q. 6 Long answer type questions:-

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- (i) What is deforestation? Discuss the consequences of deforestation.
- (ii) Distinguish between the three zones of a candle flame.
- (iii) What is meant by destructive distillation of coal? What are the products obtained by the destructive distillation of coal?
- (iv) State any five physical properties on the basis of which metals can be distinguished from non-metal.
- (v) Write any five advantages of synthetic fibers over natural fibers.