## **OBJECTIVE TYPE QUESTIONS**

- I. Fill in the blanks :
  - (a) Teffers to the number of atoms in the molecule of an element.
  - (b) The most abundant element in the earth's crust is
  - (c) A metal which is a liquid at room temperature is mercury
  - (d) The most abundant element in the atmosphere is Mutual Gen
- (e) A metal which is a poor conductor of electricity is Lungstern
- A diatomic gaseous element is offget
- (g) A liquid non-metal is Baramine
- 2. Match the columns :

## Column A

## Column B

- (a) Metals,
- Non-reactive
- (b) Molecules
- Brittle

(ii)

(iii)

- (c) Non-metals
- Lustrous
- (d) Noble gases
- Smallest unit of compound

- 3. Indicate whether the following statements are true or false.
  - (a) A compound is made up of just one kind of atom.
  - (b) Metals reflect light and are good conductors of electricity.
  - (c) Metals can be polished.
  - (d) Elements are made up of compounds.
  - (e) All elements are artificially prepared.
  - (f) Molecules can exist independently.
  - (g) Molecules combine to form atoms.
  - (h) Noble gases are highly reactive.
  - (i) Ozone is a triatomic molecule.

## MULTIPLE CHOICE QUESTIONS

Tick  $(\checkmark)$  the correct alternative from the choice given for the following statements :

- 1. All pure substances have
  - (a) the same physical state
  - (b) the same colour
  - (c) the same composition
  - (d) a definite set of properties

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(a) carbon and hydrogen (b) hydrogen and oxygen (c) carbon, hydrogen and oxygen (d) hydrogen, carbon and sulphur  3. Atoms of different kinds combine to form molecules of (a) an element (b) a compound (c) a mixture (d) all of the above  4. Sulphur and carbon are (a) metals (b) non-metals (c) metalloids (d) noble gases  5. Gold is used to make jewellery because (a) it is dull (b) lustrous and attractive (c) highly reactive	which is most suitable to the statements given: [oxygen, diamond, zinc, graphite, gold]
	which is most suitable to the statements given:
(d) very cheap  The most abundant elements in the universe are  (a) neon and argon  (b) hydrogen and helium  (c) aluminium and copper  (d) oxygen and nitrogen	

3 pure Substances: "A Substance of a definite composition which has consistent properties through is called a pure Substances".

types of pure substances: pure -> Substances are of two types are :- (1) Elements (ii) compounds (5) a) Metals - Iron, Silver, gold. (b) Non-metals - carbon, sulphur, oxygen. Metallaide - Antimony, Silicon, boron Noble gases - Actium, organ, nean The elements which born. muter are (1) Hydrogen and oxygen. justification: water has entirely different properties (i.e. is a liquid

extinguishes fire) from the elements it is made up of i.e. Hydrogen a gas catches fire oxygen a gas supporter of combuti-Energy is needed to form water on combining or with the. We can not seperate the constituents of mater by simple physical means. 7) \* metals = Metals are durtile i.e. can be

drawn into wires. (A) Metals are malleable i.e. Kan be beaten to form sheets. 111) They are Sonorous. \* Non-metals 1) Non- @ metals are mostly soft Solids cannot be dramen int hures. (1) They are mostly gases and are not malleable. (1) They do not Produce Sand sound when & struck.