6. Principles of Metallurgy

1. The impurity present in the ore is called as ____.
2. Galena is an ore of____.
3. The purpose of smelting an ore is to ____ it.
4. The formula of rust ____.
5. Smelting is carried out in____ furnace.
6. The new substance added to ore to remove gangue is called____.
7. Aluminium is used as a reducing agent in ____ process.
8. Roasting is carried out in____ furnace.
9. ____ are least reactive elements.
10. Sulphide ores are concentrated by ____ process.
11. The formula of Bauxite ____.
12. Name the pyro chemical process in which ore is heated in the absence of air____.
13. The method suitable for purification of low boiling metals is___ ( )

    a) Poling b) Distillation c) Liquation d) Electrolytic Refining

14. The chemical process in which one is heated in the absence of air is called_____

    ( )

    a) Roasting b) Smelting c) Calcination d) Distillation

15. The impurities present in the ore is called_____ ( )

    a) Slag b) Forth c) Flux d) Gangue

16. ____ is a process of heating the ore strongly in the presence of oxygen ( )

    a) Smelting b) Roasting c) Calcination d) Distillation

17. Smelting is carried out in ____ Furnace ( )

    a) Reverberatory b) Blast c) Retort d) Clay

18. Roasting is carried out in ____ Furnace ( )

    a) Reverberatory b) Blast c) Retort d) Clay

19.The oil used in the froth floatation process is_____ ( )

a) Kerosene b) Pine Oil c) Coconut Oil d) Olive Oil

20.Forth floating is a method for the purification of ____ ore ( )

a) Sulphide b) Oxide c) Carbonate d) Nitrate

21.Galena is an ore of_____ ( )

a) Zn b) Pb c) Fe d) Al

22.The most abundant metal in earth crust is_____ ( )

a) Oxygen b) Aluminium c) Zinc d) Iron

23.The purpose of smelting an ore is to ( )

a) Oxidize b) Reduce c) Neutralize d) None of these

24.Which of the following element occurs in free state ( )

a) Phosphorus b) Sulphur c) Silicon d) Gold

Answers

1) Gangue 2) Pb 3) Reduce 4) $Fe_2O_3XH_2O$

5) Blast 6) Flux 7) Thermite 8) Reverberatory

9) Au, Ag 10) Froth Floatation 11) $Al_2O_3.2H_2O$

12) Calcination 13) c 14) c 15) d

16) b 17) b 18) a 19) b

20) a 21) b 22) b 23) b

24) d