

What is casting ? what is the application of casting

Casting is process by which desired shape of metal is obtained by pouring molten metal in the mould cavity.

It is used to manufacture automobile parts. Used in manufacture Turbine vanes, Pump filter and valve, Machine tool structure, Mill housing etc.

Define Pattern ? Mention its types.

It is an exact resemblance of casting to be made with essential allowances. Its types are 1 Single piece pattern 2. Split pattern 3. Loose piece pattern 4. Cope and drag pattern 5. Gated pattern 6. Match plate pattern 7. Sweep Pattern 8. Skeleton pattern. 9. Segmental pattern.

What is core ?

Core is a shape or form made out of sand and dried to make portion in the mould that is used to produce deep recesses, hallow and internal cavity and external undercut features in the mould.

What is green sand

The green sand is the mixture of silica sand , granular river sand with water mix to the required wetness

What is core sand

Core sand is dry parting sand which is mixed with the binder and adhesive solution to the required ratio to make core and bake the same in furnace.

What is parting sand

Parting Sand is a dry grain sand used to spread and spray at a parting level between cope and drag.

What is Pattern

Pattern is a proto type model of the casting to be produced with a required allowances made of wood, metal and plastic.

What are the various types of patterns

Patterns are made of wood, metal and plastic.