

BPMMQ Sample questions

Preliminary rounds:

- 1) The most prevalent synthetic rubber is made by co-polymerization of two chemicals. One of them is Styrene. Name the other ?

Ans.: Butadiene

- 2) When exposed to air, silver articles are tarnished. What is this blackening due to ?

Ans.: Silver sulphide (Ag_2S)

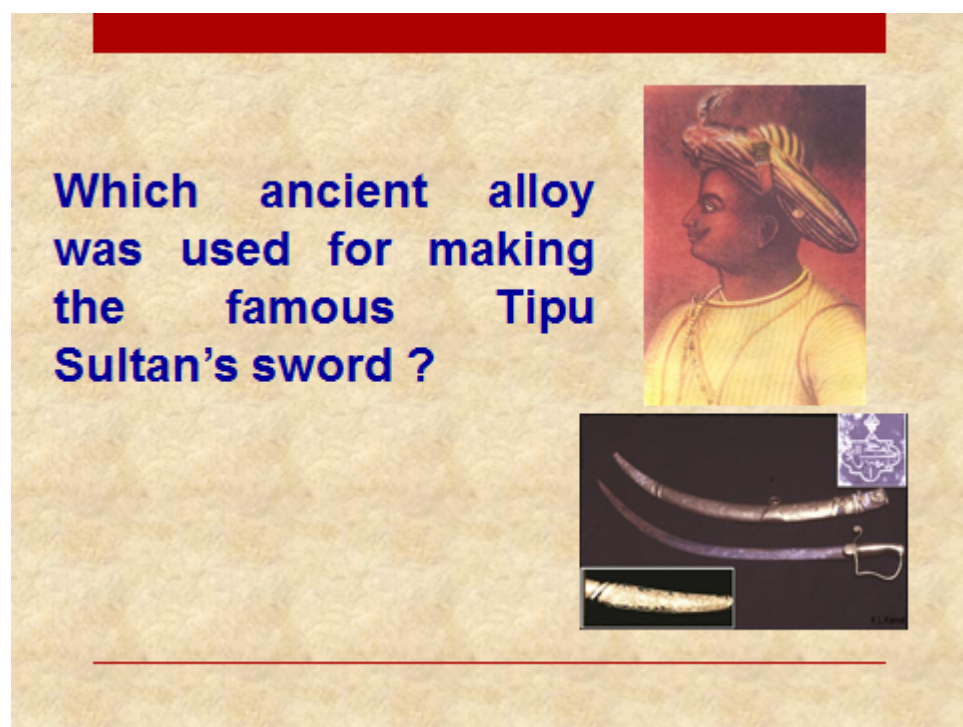
- 3) Which property of superconductor is used in magnetic levitation?

Perfect diamagnetism

Semi-final rounds:

1)

Which ancient alloy was used for making the famous Tipu Sultan's sword ?



Ans.: Wootz Steel

2)



Name the process by which single crystal turbine blades are manufactured

Ans.: Directional solidification

Final rounds:

1)

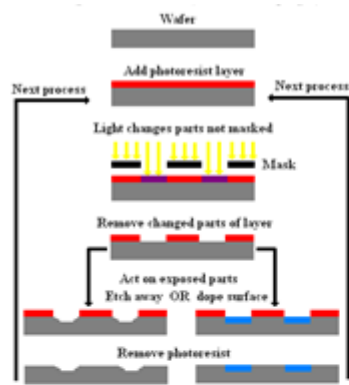


An foldable object (IOL) made up of Hydrophobic acrylic is shown. What is the body implant made out of this?

Answer: artificial eye lens

Natural lens in the eye is replaced with artificial eye lens using this material after a cataract surgery.

2)



Silicon chip is coated with a photo resist. Integrated circuit was etched on a silicon chip after exposing the photo resist to light. The next generation of this process which pushes the technology farthest into few nanometer sized circuit is known as EUVL. Expand EUVL.

Answer: Extreme Ultra Violet Lithography