Maruti Suzuki Technical Paper

Q1. Metal in machining operation is removed by

    a) Tearing chips
    b) Distortion of metal
    c) Shearing the metal across a zone
    d) Cutting the metal across a zone
    e) Pushing the metal with tool

ANS: c

Q2. Ductility of material can be defined as

    a) Ability to undergo large permanent deformation in compression
    b) Ability to recover its original form
    c) Ability to undergo large permanent deformation in tension
    d) All of the above
    e) None of the above

ANS: a

Q3. Inconel is an alloy of

    a) Nickel, chromium and iron
    b) Nickel and copper
    c) Nickel and chromium
    d) Nickel and zinc
    e) Nickel and lead

ANS: a

Q4. Casting defects caused by the molten metal is

    a) Blow holes
    b) Swell

c) Scab

d) All of the above

ANS: d

Q5. Which of the following welding process uses consumable electrodes

a) TIG

b) MIG

c) Thermit

d) Laser

ANS: b

Q6. The crystal structure of alpha iron

a) BCC

b) FCC

c) HCP

d) Cubic

ANS: a

Q7. Severe quenching can cause

a) Blow holes

b) Warping

c) Inclusions

d) None of them

ANS: b

Q8. Glass bead peening on components done to

a) Improve creep strength
b) Improve fatigue strength
c) Improve finish
d) Impart further coating

ANS: b

Q9. Trajectory of a robot mean:

a) Path traced by the end effectors
b) Kinematics of Robot
c) Robot joints
d) Robot programming

ANS: a

Q10. Rayleighs method of computing the fundamental natural frequency is based on

a) Conservation of energy
b) Conservation of momentum
c) Conservation of masses
d) Laws of statics

ANS: a