

MODEL QUESTION PAPER

MACHINIST (TYPICAL)

- 1. Which among the following is an indirect measuring tool?**
 - a) Inside caliper
 - b) Vernier caliper
 - c) Vernier bevel protractor
 - d) Inside micrometer
- 2. A screw thread is formed on a cylindrical surface by cutting**
 - a) Helical grooves
 - b) 'V' grooves
 - c) Square grooves
 - d) Half-round grooves
- 3. While machining cast iron, the following coolant shall be used**
 - a) Dry air
 - b) Kerosene
 - c) Machine oil
 - d) Soft water
- 4. A work piece is to be manufactured with minimum dimension of 80 mm with a tolerance of +0.02 mm. Which one of the following specifications is correct?**
 - a) $80^{+0.3}_{+0.1}$
 - b) $80^{\pm 0.02}$
 - c) $80^{+0.02}_0$
 - d) $80^{+0.1}_{-0.1}$
- 5. Which of the following metals, has less carbon content?**
 - a) Plain carbon steel
 - b) Wrought iron
 - c) Pig iron
 - d) Cast iron
- 6. The heaviest material among the following is**
 - a) Magnesium
 - b) Aluminium
 - c) Steel
 - d) Lead
- 7. Which of the following machines utilize fly cutter**
 - a) Lathe
 - b) Milling machine
 - c) Shaper
 - d) Planer
- 8. The rake angle of a cutting tool**
 - a) Prevents rubbing
 - b) Weakens the tool
 - c) Controls the chip formation

d) None of the above

9. High Speed Steel contains tungsten, chromium and vanadium in the following proportions

a) 4-18-1

b) 1-4-18

c) 18-8-2

d) 18-4-1

10. The longitudinal feed (parallel to lathe axis) in a lathe is achieved by

a) Cross slide

b) Carriage

c) Compound slide

d) Carriers and catch plates