

WEEK 7 – FITTING SHOP MCQS

1. A student needs to hold a metal job firmly while filing it. Which tool should be used?

- A) Bench vice
- B) Try square
- C) Scriber
- D) Reamer

Correct Answer: A) Bench vice

2. A very small metal component needs to be gripped during fitting. Which vice is most suitable?

- A) Leg vice
- B) Hand vice
- C) Pipe vice
- D) Bench vice

Correct Answer: B) Hand vice

3. A worker needs to hold a pipe securely while working on it. Which tool should be selected?

- A) Pin vice
- B) Hand vice
- C) Pipe vice
- D) Leg vice

Correct Answer: C) Pipe vice

4. Before drilling a hole, a small mark is required exactly at the centre of the hole. Which tool should be used?

- A) Dot punch
- B) Centre punch
- C) Scriber
- D) Dividers

Correct Answer: B) Centre punch

5. A student wants to check whether two surfaces of a component are at 90°. Which instrument is suitable?

- A) Try square
- B) Micrometer
- C) Radius gauge
- D) Thread gauge

Correct Answer: A) Try square

6. A machinist needs to find the centre of a round workpiece before machining. Which tool is appropriate?

- A) Centre square
- B) Steel rule
- C) Feelers gauge
- D) Surface plate

Correct Answer: A) Centre square

7. A worker needs to check the gap between two mating parts. Which gauge should be used?

- A) Radius gauge
- B) Feeler gauge
- C) Thread gauge
- D) Wire gauge

Correct Answer: B) Feeler gauge

8. A technician needs to check the pitch of a screw thread. Which gauge should be selected?

- A) Depth gauge
- B) Radius gauge
- C) Thread gauge
- D) Wire gauge

Correct Answer: C) Thread gauge

9. A hole has already been drilled, but it needs to be finished to an accurate size. Which tool should be used?

- A) Twist drill
- B) Reamer
- C) Hacksaw
- D) Chisel

Correct Answer: B) Reamer

10. A technician needs to make an internal thread inside a drilled hole. Which tool should be used?

- A) Die
- B) Tap
- C) Reamer
- D) Hacksaw

Correct Answer: B) Tap

11. A technician needs to make an external thread on a metal rod. Which tool is required?

- A) Tap
- B) Die
- C) Reamer
- D) Twist drill

Correct Answer: B) Die

12. A metal rod needs to be cut into two pieces. Which tool is most appropriate?

- A) Hacksaw
- B) Reamer
- C) Micrometer
- D) Surface gauge

Correct Answer: A) Hacksaw

13. A worker wants to remove a small amount of material and obtain a smooth finished surface. Which file is most appropriate?

- A) Rough file
- B) Bastard file
- C) Smooth file
- D) Chisel

Correct Answer: C) Smooth file

14. A machinist needs to cut a groove in a metal workpiece using a chisel. Which chisel should be used?

- A) Flat chisel
- B) Cross-cut chisel
- C) Half-round chisel
- D) Diamond-point chisel

Correct Answer: B) Cross-cut chisel

15. Oil grooves need to be cut in a metal component. Which chisel is suitable?

- A) Flat chisel
- B) Cross-cut chisel
- C) Half-round chisel
- D) Diamond-point chisel

Correct Answer: C) Half-round chisel

16. A technician wants to make a round hole in a metal workpiece. Which tool should be selected?

- A) Twist drill
- B) File
- C) Die
- D) Scriber

Correct Answer: A) Twist drill

17. During filing, where should the main pressure be applied according to the notes?

- A) During the backward stroke
- B) During the forward stroke
- C) Equally in both directions
- D) Only when the file is stationary

Correct Answer: B) During the forward stroke

18. A student is using a chisel in a fitting shop. Another student is standing directly in the direction of the chisel. What should be done?

- A) Continue working
- B) Ask the student to move away
- C) Increase the force
- D) Remove the vice

Correct Answer: B) Ask the student to move away

19. A workpiece is being filed, but it is positioned far away from the vice. What should be done?

- A) Leave it as it is
- B) Position it close to the vice
- C) Remove the vice
- D) Use more force

Correct Answer: B) Position it close to the vice

20. A technician needs to produce a finished component with accurate shape, size and fit. Which sequence represents common fitting operations?

- A) Marking → sawing → filing → drilling → reaming
- B) Painting → welding → casting → forging
- C) Melting → casting → rolling → painting
- D) Heating → cooling → casting → polishing

Correct Answer: A) Marking → sawing → filing → drilling → reaming