

BASIC WORKSHOP PRACTICE

Q. ID: ITISKILL7509MC

February 2026

Question Paper

Duration: 60 Mins

Total Marks: 29

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Student Name: _____ Roll No: _____

1. Which drilling machine achieves various spindle speed by changing the belt position?

- A) Sensitive bench drilling machine B) Radial drilling machine
C) Column drilling machine D) Pillar drilling machine

2. Which process improves the sealing between the mating parts?

- A) Lapping B) Grinding
C) Filing D) Reaming

3. Which part of drill separates the flutes?

- A) Lip B) Land
C) Web D) Cutting edge

4. What is the uses of hand tap?

- A) To bevel at the hole end B) To make external thread
C) To make enlarge hole D) To make internal thread

5. Which part of drill forms a cutting edge?

- A) Land B) Point
C) Body D) Flute

6. Which taper used in the drilling machine?

- A) Metric taper B) Pin taper
C) Brown and sharp taper D) Moarse taper

7. Which type of abrasive removes heavy stock of material?

- A) Silicon carbide B) Emery sheet
C) Borom carbide D) Aluminium oxide

8. What is the reason for weak cutting edge of twist drill?

- A) Lib angle is too high B) Lib angle is too small
C) Clearance angle is too small D) Clearance angle is too high

9. Which is used to hold the die?

- A) Spanner B) Chuck
C) Stock D) Wrench

10. Which tool is used in to make internal threading in the component?

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

11. Which type of vice is used to hold a job for drilling?

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

12. Which type of the tap wrench prevent damage to the taps?

- A) Pipe wrench B) Torque wrench
C) Tension wrench D) Solid wrench

13. Which drilling machine is used to drill multiple holes in one setting of work?

- A) Column drilling machine B) Hand drilling machine
C) Pillar drilling machine D) Radial drilling machine

14. What is the name of the angle between the cutting edges in a drill?

- A) Point angle B) Clearance angle
C) Rake angle D) Helix angle

15. Which tap in a set have 4 Degree chamfer at its end?

- A) Intermediate tap B) Plug tap
C) Taper tap D) Bottoming tap

16. What is the purpose of reamer?

- A) drilling holes in thin sheets B) drilling deep holes
C) enlarging and finishing holes D) removing burrs

17. What is the unit of cutting speed?

- A) Centimetre per minute B) Meter per minute
C) Centimetre per second D) Meter per second

18. Which tool is used to make external thread on the pipe?

- A) Drill B) Reamer

C) Tap

D) Die

19. What is the selection of a tap drill size?

A) Major Diameter / Pitch

B) Major Diameter - Pitch

C) Major Diameter + Pitch

D) Major Diameter x Pitch

20. What is the formula for calculating the drill size for reaming?

A) Drill size=Reamed size-
(Under size +over size)

B) Drill size=Reamed size+
(Under size + over size)

C) Drill size=Reamed size-
(Under size x over size)

D) Drill size=Reamed size-
(Under size-over size)

21. What is the material used in hand reamer?

A) Cast iron

B) Mild steel

C) H. S.S

D) Brass

22. What will be the effect on the hole if worn out reamer is used?

A) Oversize

B) Undersize

C) Normal size

D) Correct size

23. Which is the multipoint cutting tool?

A) Snips

B) Chisel

C) Scraper

D) Reamer

24. Which drilling machine used to drill small dia holes upto

6 mm?

A) Pneumatic hand drill

B) Electric hand drill heavy
duty

C) Bevel gear hand drill

D) Electric hand drill light
duty

25. Which is the hardest abrasive material?

A) Boron carbide

B) Aluminium oxide

C) Silicon carbide

D) Diamond

26. Which device is used to hold straight shank drill?

A) Stock

B) Chuck

C) Sleeve

D) Socket

27. Which part of a drill is fitted on the machine?

A) Flute

B) Shank

C) Point

D) Body

28. What is the reason for twist drill does not cut?

A) Rake angle is too high

B) Clearance angle is too
high

C) Clearance angle is too
small

D) Rake angle is too small

29. Which angle of drill bit prevents the friction behind the cutting edge?

A) Rake angle

B) Point angle

C) Clearance angle

D) Helix angle