

**PAPER – I
FITTER
(THEORY & EMPLOYABILITY SKILLS)
SEMESTER – I**

TIME: 3 HRS.

MARKS: 200

**Note: This paper contains two parts – Part A & Part B.
Attempt all the questions.
All questions carry equal marks.
This paper carries negative marking. 25% marks will be deducted for each wrong answer.**

PART- A (THEORY)**(150)**

Choose the correct answer.

1. What is the full form of CTC?
a) Carbon Tetra Chloride b) Carbon Tin Chloride
c) Calcium Tetra Chloride d) None of these
2. Which type of thread is used in spindle of bench vice?
a) Acme thread b) V thread c) Square thread d) Knuckle thread
3. Which metal is generally used to make hammer?
a) Mild steel b) Cast iron c) Wrought iron d) Cast steel
4. 1° is equal to: -
a) 60 seconds b) 60 minutes c) 360 minutes d) 360 seconds
5. Offset scribe is used to: -
a) Vernier caliper b) Vernier height gauge
c) Vernier micrometer d) None of these
6. Which of the following is not a type of chisel?
a) Cross cut chisel b) Round nose chisel
c) Bull nose chisel d) Diamond point chisel
7. Prussian blue is a: -
a) Marking tool b) Measuring tool c) Marking media d) All of these

Contd....2

8. Datum line is also known as: -
a) Centre line b) Outline c) Reference line d) None of these
9. V-Block is made of: -
a) Close grained cast iron b) Aluminium
c) Mild steel d) None of these
10. Point angle of scriber is: -
a) 60° b) $12 - 15^\circ$ c) $5 - 6^\circ$ d) None of these
11. Classification of file is not done on the basis of: -
a) Grade b) Size c) Cut d) Angle
12. Which property leads a metal to be drawn into wire?
a) Malleability b) Ductility c) Elasticity d) Plasticity
13. The nut used to fix blade in hacksaw frame is known as: -
a) Dome nut b) Thumb nut c) Wing nut d) Castle nut
14. Distance between two adjacent teeth of hacksaw is known as: -
a) Volume b) Velocity c) Field d) Pitch
15. Which drilling machine is used in mass production?
a) Bench type drilling machine b) Pillar type drilling machine
c) Portable type drilling machine d) Gang type drilling machine
16. File is made up of: -
a) Stainless steel b) Mild steel c) High carbon steel d) None of these
17. The shape of beak in anvil is like: -
a) Camel b) Elephant c) Cow horn d) Butterfly
18. The head of soldering iron is made of: -
a) Cast iron b) Mild steel c) Copper d) Tin

Contd....3

19. The sides of sheet are folded to make them safe and strong. These folds are called: -
a) Seam b) Hem c) Band d) Rib
20. Filler metal of brazing is: -
a) Solder b) Spelter c) Both (a) & (b) d) None of these
21. The thickness of sheet metal is measured by which guage?
a) Snap guage b) Feeler guage c) Wire guage d) None of these
22. The tool used give support while bending sheet metal, is known as: -
a) Fuller b) Flatter c) Snip d) Stake
23. Length of snap head rivet is given by the formula: -
a) $L = 2d$ b) $L = T + 0.6d$ c) $L = T + 1.5d$ d) None of these
24. That part of hammer which is used for striking is known as: -
a) Pein b) Face c) Cheek d) Eye hole
25. This part prevents the motion of micrometers spindles: -
a) Ratchet stop b) Split internal thread
c) Tapered nut d) Locking device or lock nut
26. Vernier Calipers' inventor 'Pierre Vernier' hailed from which of the following country?
a) Italy b) Germany c) France d) None of these
27. In Normalising process, hot steel is made cool by following: -
a) By immersing it in oil
b) By keeping it in still air at room temperature
c) By leaving it in cold air
d) By immersing it in water
28. Bent snip is used for: -
a) For removing burr b) For making hole on sheet
c) For bending sheet d) For cutting sheet with curved lines

Contd....4

39. Why soft jaws are used in vice?
a) To protect the finished surface
b) To protect the jaws of the vice
c) To hold the job more strongly
d) To protect the file
40. _____ should be intended before marking.
a) Reference point b) Centre point c) Parameter point d) Internal point
41. Which of the following is not related to marking media?
a) Layout Die b) Prussian Blue c) Surface Plate d) None of these
42. _____ marking media takes too much time to get dry and it make clear lines.
a) Prussian Blue b) Chalk powder c) Copper sulphate d) None of these
43. Maximum keys are made up of: -
a) High speed steel b) Mild steel c) Cast iron d) Pig iron
44. There is negative error 0.03 mm in any micrometer. If the micrometer gives the reading of 40.53 mm, then what will be the accurate readings?
a) 40.50 Millimeter b) 40.56 Millimeter c) 40.83 Millimeter d) 40.23 Millimeter
45. With the help of Vernier Bevel Protractor any angle can be measure upto the accuracy of the _____ of 1° .
a) 10^{th} Part b) 12^{th} Part c) 9^{th} Part d) 4^{th} Part
46. While marking from Vernier height gauge, it should be moved by holding its base in such a way that: -
a) Main scale should bend
b) Zero error or main scale should check
c) Main scale should not bend
d) Base of the offset scriber should be parallel to the surface plate
47. Cyaniding and Nitriding are the two methods of which of the following process?
a) Hardening b) Case Hardening c) Tempering d) Normalizing
48. Zinc coated sheet is known as _____.
a) Tin coated sheet b) Galvanized iron sheet
c) Stainless steel d) Lead sheet

Contd....6

49. Which tool is used to cut excessive thick sheet?
a) Snip b) Shear c) Hem d) None of these
50. Which of the following stakes gives double ended support?
a) Hatchet stake b) Half-moon stake c) Creasing iron stake d) Horse stake
