

TRADE : FITTER-Jr.**MONTHLY TEST : WEEK NO. 5 TO 8**DATE : SEAT NO : **TOTAL MARKS : 100 TIME : 2 Hrs. PAPER-I****TRADE CODE : 453****Note : Attempt all the questions. All questions carry equal marks****1. Which marking media needs to be handled carefully as it is poisonous?**

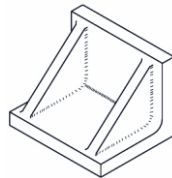
- A) White wash B) Copper sulphate
C) Prussian blue D) Cellulose lacquer

2. How many grades of surface plates are available in machine shop work?

- A) One grade B) Two grades
C) Four grades D) Three grades

3. What is the type of angle plate is shown in figure?

- A) Box angle plate
B) Plain solid angle plate
C) Swivel type angle plate
D) Slotted type angle plate

**4. Which metal is the good conductor of electricity?**

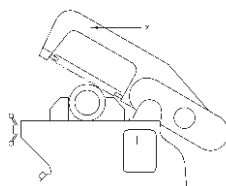
- A) Wood B) Plastic
C) Copper D) Mild steel

5. What is the property of metal to resist the effect of tensile forces without rupture?

- A) Tenacity B) Brittleness
C) Hardness D) Malleability

6. What is the name of the part marked 'x'?

- A) Vice
B) Saw blade
C) Frame
D) Work piece

**7. Which marking media is prepared by mixing with water only?**

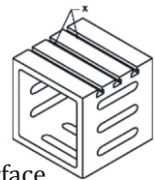
- A) White wash B) Prussian blue
C) Copper sulphate D) Cellulose lacquer

8. Where the larger surface plate is placed?

- A) Floor B) Wooden table
C) Bench D) Iron stands

9. What is the name of the part marked 'x'?

- A) Ribs
B) Tee slots
C) All faces machined square
D) Edges and ends machined surface

**10. Which metal is a ductile metal?**

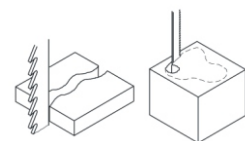
- A) Copper B) Mild steel
C) Stainless steel D) High carbon steel

11. Which material is used to make power hacksaw blades?

- A) Tool steel B) High speed steel
C) Mild steel D) Medium carbon steel

12. What is the name of the operation shown in figure?

- A) Slotting
B) Radius cutting
C) Notching
D) Angular cutting



13. Which metal-cutting saw is economical in production to work in heavy section metals?

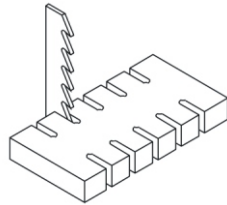
- A) Power saw
- B) Contour saw
- C) Circular saw
- D) Horizontal band-saw

14. What is the pitch of the spindle thread in metric outside micrometer?

- A) 0.1 mm
- B) 0.5 mm
- C) 0.01 mm
- D) 0.02 mm

15. What is the name of the operation shown in figure?

- A) Slotting
- B) Radius cutting
- C) Notching
- D) Angular cutting

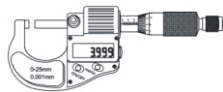


16. What is the value of one thimble division in depth micrometer?

- A) 1 mm
- B) 0.5 mm
- C) 0.01 mm
- D) 0.02 mm

17. What is the name of the measuring instrument shown in figure?

- A) Depth micrometer
- B) Inside micrometer
- C) Digital micrometer
- D) Screw thread micrometer



18. Which marking media is commercially available?

- A) White wash
- B) Prussian blue
- C) Copper sulphate
- D) Cellulose lacquer

19. What is the name of the part marked 'x'?

- A) Anvil
- B) Spindle lock
- C) Thimble
- D) Ratchet stop



20. Which part is provided in horizontal band-saw to prevent wandering of the blade while cutting?

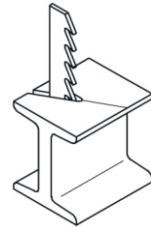
- A) Vice
- B) Step pulley
- C) Frame
- D) Roller guide brackets

21. Which type of angle plates are suitable for supporting work pieces during layout work?

- A) Box angle plate
- B) Plain solid angle plate
- C) Swivel type angle plate
- D) Slotted type angle plate

22. What is the name of the operation shown in figure?

- A) Notching
- B) Straight cutting
- C) Radius cutting
- D) Angular cutting



23. What is the accuracy of digital micrometer?

- A) 0.5 mm
- B) 0.01 mm
- C) 0.02 mm
- D) 0.001 mm

24. Why the ribbed are provided under the surface plates?

- A) For accuracy
- B) For steadiness
- C) For reducing weight
- D) To increase the weight

25. Which marking media is used on filed or machined surface?

- A) White wash
- B) Prussian blue
- C) Copper sulphate
- D) Cellulose lacquer

26. Which marking media is applied on rough forgings and castings with oxidised surface?

- A) White wash
- B) Copper sulphate
- C) Prussian blue
- D) Cellulose lacquer

27. Which process is used for finishing parallel blocks?

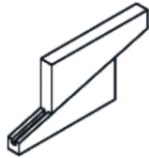
- A) Filing
- B) Honing
- C) Grinding
- D) Lapping

28. Which material is used to make parallel blocks?

- A) Steel
- B) Invar steel
- C) Cast iron
- D) Stainless steel

29. What is the name of the block shown?

- A) 'V' Block
- B) Solid parallel blocks
- C) Angle plate
- D) Adjustable parallel blocks



30. Which mechanical property is the ability of metal to draw into wires?

- A) Ductility
- B) Malleability
- C) Toughness
- D) Brittleness

31. What is the property of metal to withstand shock or impact?

- A) Ductility
- B) Toughness
- C) Hardness
- D) Brittleness

32. What is the value of one main division in outside micrometer?

- A) 1 mm
- B) 2 mm
- C) 3 mm
- D) 4 mm

33. Which angle plate can be tilted to any angle along with the work for marking or machining?

- A) Box angle plate
- B) Plain solid angle plate
- C) Swivel type angle plate
- D) Slotted type angle plate

34. How many number of teeth of the blade will be in contact with the work piece while cutting?

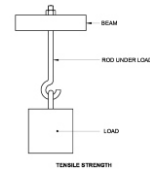
- A) One teeth
- B) Two teeth
- C) Four teeth
- D) Three teeth

35. What is the working principle of outside micrometer?

- A) Screw and nut
- B) Scroll and lever
- C) Rack and pinion
- D) Sliding mechanism

36. What is the name of mechanical property of metal shown in figure?

- A) Tenacity
- B) Toughness
- C) Elasticity
- D) Malleability



37. Which metal has the brittleness property?

- A) Cast iron
- B) Mild steel
- C) Aluminium
- D) Wrought iron

38. Which metal is having the property of tenacity?

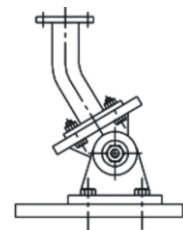
- A) Cast iron
- B) Wrought iron
- C) Aluminium
- D) Stainless steel

39. Which is the integral part of beam scale in vernier caliper?

- A) Fixed jaw
- B) Depth bar
- C) Thumb lever
- D) Movable jaw

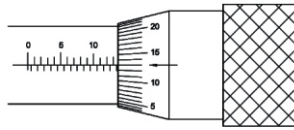
40. What is the type of angle plate is shown in figure?

- A) Box angle plate
- B) Plain solid angle plate
- C) Swivel type angle plate
- D) Slotted type angle plate



41. What is the reading shown in this outside micrometer range 0 to 25 mm

- A) 13.63 mm
- B) 13.64 mm
- C) 13.65 mm
- D) 13.66 mm



42. What is the type of thread in depth micrometer spindle?

- A) 'V' thread
- B) Square thread
- C) ACME thread
- D) Buttress thread

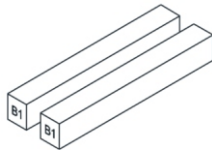
43. Where is main divisions are marked in the depth micrometer?

- A) Stock
- B) Extension rod
- C) Thimble
- D) Barrel or sleeve

44. Which metal cutting machine is provided with butt welding attachment for joining broken saw blades?

- A) Power saw
- B) Contour saw
- C) Circular saw
- D) Horizontal band saw

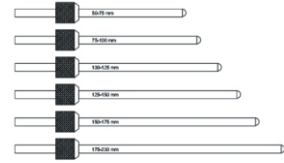
45. What is the name of the block shown?



- A) 'V' Block
- B) Solid parallel blocks
- C) Angle plate
- D) Adjustable parallel blocks

46. What is the name of part shown in figure?

- A) Handle
- B) Spacing collar
- C) Spindle
- D) Extension rods



47. Which part is used in power hacksaw when a number of pieces of the same size to be cut?

- A) Screw jack
- B) Clamping device
- C) Vice handle
- D) Adjustable stopper

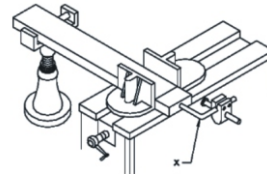
48. What is the use of depth micrometer?

- A) To measure the length of job
- B) To measure the depth of holes
- C) To measure the thickness of job
- D) To measure the outside diameter of job

49. What is the name of the part in depth micrometer may be removed and replaced according to the size of depth?

- A) Stock
- B) Sleeve
- C) Thimble
- D) Extension rod

50. What is the name of the part marked 'x'?



- A) Work
- B) Vice handle
- C) Stopper
- D) Clamping device

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Month -02

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02**TRADE : FITTER-Jr.****MONTHLY TEST : WEEK NO. 5 TO 8**DATE : **PAPER-I**TRADE CODE : **453**

TOTAL MARKS : 100

ANSWER KEY**Note : Attempt all the questions. All questions carry equal marks**

Q.No.	ANS
1	B
2	D
3	B
4	C
5	A
6	C
7	A
8	D
9	B
10	A
11	B
12	B
13	B
14	B
15	A
16	C
17	C
18	D
19	D
20	D
21	B
22	D
23	D
24	B
25	B

Q.No.	ANS
26	A
27	D
28	A
29	D
30	A
31	B
32	A
33	A
34	B
35	A
36	A
37	A
38	B
39	A
40	C
41	A
42	A
43	D
44	B
45	B
46	D
47	D
48	B
49	D
50	C