

**TRADE : FITTER-Jr.****MONTHLY TEST : WEEK NO. 09 TO 12**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 part of the vernier caliper is used to set the vernier slide in any position on the beam?

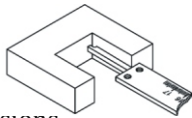
- A) Beam                      B) Thumb lever  
C) Vernier scale          D) Movable jaw

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

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

3. What is the application of vernier caliper shown in figure?

- A) Measuring pitch  
B) Measuring depth  
C) Measuring external dimensions  
D) Measuring internal dimensions



4. Which part is an integral part of the stock in a vernier bevel protractor?

- A) Dial                      B) Main scale  
C) Disc                      D) Vernier scale

5. What is the value of one main scale division in a vernier bevel protractor?

- A) 1 degree                  B) 2 degree  
C) 5 minutes                D) 0.5 degree

6. What is the value of one vernier scale division in a vernier bevel protractor?

- A) 116 minutes  
B) 118 minutes  
C) 115 minutes  
D) 117 minutes

7. Where the dial is fixed in the dial caliper?

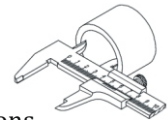
- A) On the dial hand  
B) On the fixed jaw  
C) On the beam scale  
D) On the movable jaw

8. What is the accuracy of a digital caliper?

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

9. What is the application of vernier caliper shown in figure?

- A) Measuring pitch  
B) Measuring depth  
C) Measuring external dimensions  
D) Measuring internal dimensions



10. Which device is used for holding the straight shank drills?

- A) Arbor                      B) Drill chuck  
C) Spindle                    D) Work table

11. Which device is used to hold bigger size drills than machine spindle diameter?

- A) Arbor                      B) Sleeve  
C) Drill chuck                D) Sockets

12. How zero setting is to be done in a digital caliper?

- A) Press the zero button  
B) Press the on/off button  
C) Press the metric/inch button  
D) Join fixed and movable jaw then press zero button

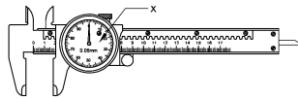
13. How many degrees are graduated on the circumference of disc of vernier bevel protractor?

- A) 90°                      B) 180°  
C) 360°                    D) 270°

14. Which part of the drilling machine is provided with T slots for fitting bolt heads?

- A) Base                      B) Feed handle  
C) Spindle                  D) Drilling machine table

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



- A) Pinion                      B) Caliper dial  
C) Dial hand                  D) Beam scale

16. What is the name of the speed at which cutting edge passes over the material while cutting?

- A) Feed                      B) Normal speed  
C) Spindle speed          D) Cutting speed

17. Which material is used to make hand taps?

- A) Mild steel  
B) Stainless steel  
C) Low carbon steel  
D) High speed steel

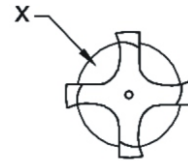
18. Which tap is used to start the thread while tapping?

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

19. Which tap is used to finish the threads of a blind hole to the correct depth?

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

20. What is the name of the part marked 'x' in hand tap?



- A) Flute  
B) Taper thread  
C) Cutting face  
D) Square shank

21. Which tap wrench is more suitable for large diameter taps?

- A) Box type tap wrench  
B) Bar type tap wrench  
C) T-handle tap wrench  
D) Solid type tap wrench

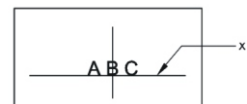
22. Which is the most commonly used type of tap wrench?

- A) Adjustable socket  
B) Solid type tap wrench  
C) T-handle tap wrench  
D) Double ended adjustable tap wrench

23. How many number of punches are in a letter punch set?

- A) 26                          B) 28  
C) 27                          D) 29

24. What is the name of the line marked 'x'?

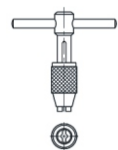


- A) Base line  
B) Horizontal line  
C) Centre line  
D) Reference line

25. How many different sizes of Morse tapers provided in drills?

- A) MT 1 to MT4  
B) MT 1 to MT5  
C) MT 1 to MT3  
D) MT 1 to MT10

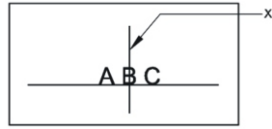
26. What is the name of tap wrench shown in Figure?



- A) Solid type tap wrench  
B) T-handle tap wrench  
C) Bar type tap wrench  
D) Double ended adjustable tap wrench

27. What is the name of the line marked 'x'?

- A) Base line
- B) Centre line
- C) Vertical line
- D) Reference line



28. What is the process of raising a strip of metal around the end of a round pipe?

- A) Beading
- B) Forming
- C) Braising
- D) Crimping

29. What is the process of turning an edge on a circular piece of metal?

- A) Burring
- B) Braising
- C) Crimping
- D) Embossing

30. Which fasteners are used to join two pieces of sheet metal together?

- A) Keys
- B) Bolts
- C) Rivets
- D) Cotters

31. What is the process of covering an area of metal with molten solder?

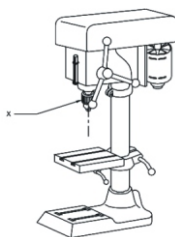
- A) Tinning
- B) Burring
- C) Crimping
- D) Embossing

32. Which tool is used for measuring and determining the thickness of a metal sheet?

- A) Gauge
- B) Vernier caliper
- C) Stake
- D) Outside micrometer

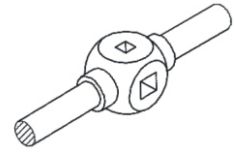
33. What is the name of the part marked 'x'?

- A) Spindle
- B) Drill chuck
- C) Worktable
- D) Chuck key



34. What is the name of the tap wrench shown?

- A) Bar type tap wrench
- B) T-Handle tap wrench
- C) Solid type tap wrench
- D) Box type tap wrench



35. How metal sheets are specified?

- A) By their length
- B) By their thickness
- C) By their standard gauge numbers
- D) By their type of material and thickness

36. What is the appearance of hot rolled sheets?

- A) Reddish colour
- B) Bluish black appearance
- C) Bright silvery appearance
- D) Plain silver whitish appearance

37. Which coated iron is known as galvanised iron?

- A) Tin coated iron
- B) Zinc coated iron
- C) Copper coated iron
- D) Aluminium coated iron

38. Which article is made by tinned plate?

- A) Windows
- B) Kitchenware
- C) Heating ducts
- D) Furnace fittings

39. Why aluminium sheets are used in construction of airplanes?

- A) Light in weight
- B) Appearance is good
- C) It can be welded easily
- D) It can be soldered easily

40. What is the name of the drilling machine shown in figure?

- A) Gang drilling machine
- B) Radial drilling machine
- C) Pillar drilling machine
- D) Multi spindle head drilling machine



41. Which tap wrench is more useful to work in restricted places and is turned with one hand only?

- A) Bar type tap wrench
- B) T-Handle tap wrench
- C) Solid type tap wrench
- D) Box type tap wrench

42. Which shearing machine is operated by foot?

- A) Press brake
- B) Guillotine shear
- C) Squaring shear
- D) Hand lever shear

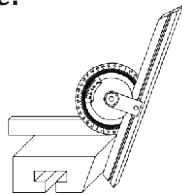
43. What is the appearance of cold rolled sheets?

- A) Reddish colour
- B) Bluish black appearance
- C) Bright silvery appearance
- D) Plain silver whitish appearance

44. Which is provided to hold the sheet firmly in squaring shear?

- A) Back gauge      B) Front gauge
- C) Sheet holder    D) Square gauge

45. What is the application of a vernier bevel protractor shown in figure?



- A) Checking flatness
- B) Setting work holding device
- C) Measuring obtuse angles (more than 90°)
- D) Measuring acute angles (less than 90°)

46. Which punches are used for better impression by applying more than one stroke?

- A) High quality punches
- B) Small size punches
- C) Middle size punches
- D) Large size letter and number punches

47. Which sheet is the cheapest metal sheet?

- A) Copper sheets
- B) Black iron sheets
- C) Stainless steel sheets
- D) Galvanised iron sheets

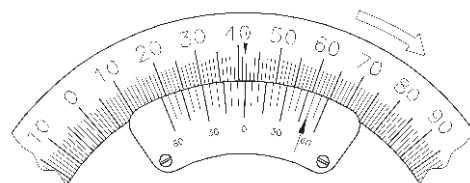
48. Which part is adjustable and is kept at right angles to the cutting blade in squaring shear?

- A) Back gauge      B) Cross head
- C) Front gauge     D) Square gauge

49. Which metal sheet is used for making the highly corrosive acid tanks?

- A) Lead sheet      B) Copper sheet
- C) Black iron sheet D) Galvanised iron

50. What is the reading of the vernier bevel protractor shown?



- A) 41° 40'      B) 41° 55'
- C) 41° 50'      D) 42° 05'

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**Month -03**

New Syllabus \_2022

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**Annual Pattern 1st Year NSQF Level- 4**  
**INDUSTRIAL TRAINING INSTITUTE**

**3.1****TRADE : FITTER-Jr.****MONTHLY TEST : WEEK NO. 09 TO 12**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>B</b>
2	<b>A</b>
3	<b>B</b>
4	<b>A</b>
5	<b>A</b>
6	<b>C</b>
7	<b>D</b>
8	<b>D</b>
9	<b>D</b>
10	<b>B</b>
11	<b>D</b>
12	<b>D</b>
13	<b>C</b>
14	<b>D</b>
15	<b>B</b>
16	<b>D</b>
17	<b>D</b>
18	<b>B</b>
19	<b>C</b>
20	<b>A</b>
21	<b>B</b>
22	<b>D</b>
23	<b>C</b>
24	<b>A</b>
25	<b>B</b>

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