

TRADE : FITTER-Sr.

MONTHLY TEST : WEEK NO. 21 TO 24

DATE :

SEAT NO :

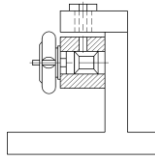
TOTAL MARKS : 100 TIME : 2 Hrs. PAPER-I

TRADE CODE : 453

Note : Attempt all the questions. All questions carry equal marks

1. What is the name of jig?

- A) Leaf jig
- B) Solid jig
- C) Table jig
- D) Angle plate jig



2. Which type of jig is used awkwardly shaped work piece to drill different angles?

- A) Post jig
- B) Solid jig
- C) Indexing jig
- D) Trunnion jig

3. Which type of fixture used for machining on evenly spaced surfaces?

- A) Plate fixture
- B) Vice jaw fixture
- C) Indexing fixture
- D) Angle plate fixture

4. Which ore produces lead metal?

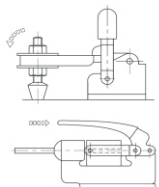
- A) Pyrites
- B) Bauxite
- C) Malchite
- D) Galena

5. Which part restricts load of component in jig?

- A) Clamp
- B) Guide plate
- C) Locating pin
- D) Press fit bush

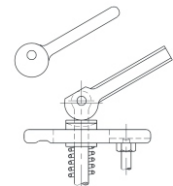
6. What is the name of clamp used in jig?

- A) Tooth clamp
- B) Latch clamp
- C) Toggle clamp
- D) Wedge clamp



7. What is the name of clamp?

- A) Strap clamp
- B) Cam clamp
- C) Latch clamp
- D) Screw clamp



8. Which ore is extraction of aluminium?

- A) Pyrites
- B) Galena
- C) Blends
- D) Bauxite

9. Why the balancing weight is provided in the turning fixture?

- A) To guide tool
- B) To balance the tool
- C) To balance worktable
- D) To balance irregular workpiece

10. What is the ratio of copper and zinc in "Muntz metal" ?

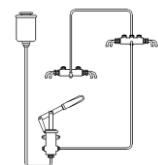
- A) 63:37
- B) 60:40
- C) 57:43
- D) 70:30

11. Which metal is used in the preparation of paint?

- A) Zinc
- B) Lead
- C) Brass
- D) Aluminium

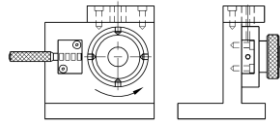
12. What is the method of lubrication?

- A) Force feed
- B) Gravity feed
- C) Splash feed
- D) Pressure feed



13. What is the type of jig?

- A) Post jig
- B) Plate jig
- C) Indexing jig
- D) Angle plate jig



14. Which type of bushes is used in jig to perform more than one operation in same location?

- | | |
|---------------|----------------|
| A) Slip bush | B) Plain bush |
| C) Fixed bush | D) Linear bush |

15. What is the advantages of mass production?

- A) Initial expenditure is low
- B) Jigs and fixture are not needed
- C) Cost and time reduced for manufacturing
- D) Special purpose machines are not necessary

16. Which metal powder is used in calorising process to prevent corrosion of steel component?

- A) Zinc powder
- B) Nickel powder
- C) Aluminium powder
- D) Chromium powder

17. Which type of bronze metal has got excellent antifriction properties?

- A) Low tin bronze
- B) Leaded bronze
- C) Phosphor bronze
- D) Leaded gun metal

18. Why aluminium is used widely in aircraft industries?

- A) Light weight
- B) Soft and ductile
- C) Low tensile strength
- D) Thermal conductivity

19. Which metal is used to make soldering iron?

- A) Bronze
- B) Lead
- C) Brass
- D) Copper

20. What is the purpose of setting blocks used in the fixture?

- A) Position the balancing weight
- B) Position the clamp and locators
- C) Position the fixture on machine table
- D) Position the fixture and work related to cutter

21. Which device is used to hold, locate and do not guide the cutting tool during machining operation?

- | | |
|--------------|-----------------|
| A) Jig | B) Fixture |
| C) 'C' clamp | D) Machine vice |

22. Which are the alloys of brass metal?

- A) Copper and tin
- B) Copper and zinc
- C) Copper and lead
- D) Copper and nickel

23. What is the name of alloy consist copper and zinc?

- A) Aluminium
- B) Gunmetal
- C) Brass
- D) Bronze

24. What is the percentage composition of lead in lead bronze bearing material?

- A) 15%
- B) 20%
- C) 25%
- D) 30%

25. What is the percentage of copper in malachite ore?

- | | |
|--------|--------|
| A) 20% | B) 30% |
| C) 55% | D) 80% |

26. Which metal used to make alligator type fastener?

- A) G.I sheet
- B) Copper sheet
- C) Steel sheet
- D) Aluminium sheet

27. How to improve the gripping property of the dried belt?

- A) Jockey pulley
- B) Apply powdered resin
- C) Reduce the distance between pulleys
- D) Increase the distance between pulleys

28. What is the type of maintenance which is done at every day before starting the machine ?

- A) Routine
- B) Preventive
- C) Breakdown
- D) None of the above

29. What is called for a maintenance which is performed on machines as per schedule ?

- A) Routine Maintenance
- B) Breakdown Maintenance
- C) Preventive Maintenance
- D) Monthly Maintenance

30. Which one of the following maintenance involves the use of sensitive instruments ?

- A) Breakdown Maintenance
- B) Routine Maintenance
- C) Predictive Maintenance
- D) Preventive Maintenance

31. The maintenance in mainly performed operator is -----.

- A) Breakdown
- B) Routine
- C) Predictive
- D) Preventive

32. The repair work carried out only when machine breakdown means -----.

- A) Breakdown and Corrective Maintenance
- B) Routine Maintenance
- C) Preventive Maintenance
- D) Predictive Maintenance

33. Which one of the following test is performed after an overhauling and reconditioning of machine ?

- A) Periodic Acceptance Test
- B) Only Geometrical Test
- C) Only performance Test
- D) None of the above

34. The chart maintained to record the details of lubrication activities is -----.

- A) Check List
- B) History Sheet
- C) Inspection Report
- D) None of the above

35. The test chart for each machine is prepared by -----.

- A) Manufacturer
- B) Operator
- C) Millwright Section
- D) Maintenance Inspector

36. Name of the test which is perform with - out starting machine during installation -----.

- A) Dynamic Test
- B) Static Test
- C) Geometrical Test
- D) Performance Test

37. Which one of the following is planned maintenance ?

- A) Breakdown
- B) Routine
- C) Predictive
- D) Preventive

38. Which drive is used for long distance and larger amount of power transmission?

- A) Belt drive
- B) Countersinking
- C) Rope drive
- D) Chain drive

39. How to improve the gripping property of the dried belt?

- A) Jockey pulley
- B) Apply powdered resin
- C) Reduce the distance between pulleys
- D) Increase the distance between pulleys

40. Which of the following instrument is used for checking run out of the internal taper of machine spindle ?

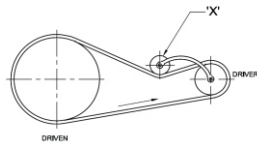
- A) Precision Height Gauge
- B) Dial Test Indicator
- C) Test Mandrel and Dial Test Indicator
- D) Test Mandrel and Precision Height Gauge

41. Which type of belt drive, the driven shaft will rotate opposites to drive?

- A) Stepped drive
- B) Open belt drive
- C) Cross belt drive
- D) Right angled belt drive

42. What is the name of part marked as 'x' in the belt drive?

- A) Step pulley
- B) Driver pulley
- C) Driven pulley
- D) Jockey pulley



43. Which type of belt length cannot be altered and reused with fastener?

- A) 'V' belt
- B) Flat belt
- C) Link belt
- D) Ribbed belt

44. Usually outer surface of flat belt pulley is finished with slight convexity. What is called for that?

- A) Flank
- B) Crowning
- C) Effective Diameter
- D) Crackness of pulley

45. Which type of drive used for shortest distance and for large amount of power transmission?

- A) Belt drives
- B) Gear drives
- C) Rope drives
- D) Chain drives.

46. Why the face of pulley is "Crowned" in power transmission?

- A) Increase the tension
- B) Decrease the tension
- C) Keep the belt centralised
- D) Allow the pulley free rotation

47. Which pulley can transmit the power to shaft at different heights and varying distance?

- A) Flat pulleys
- B) Rope pulleys
- C) V groove pulleys
- D) Fast and loose pulleys

48. Which type of belt drive is used to obtain different speed ratio?

- A) Slip belt drive
- B) Stepped drive
- C) Open belt drive
- D) Cross belt drive

49. The centre -to-centre distance of the pulley should not be less than -----.

- A) 1.5 Times of Large pulley Diameter
- B) Twice of the Large Pulley Diameter
- C) 2.5 Times of Large pulley Diameter
- D) 3 Times of Large pulley Diameter

50. To keep the belt supple and free from cracks, powdered resin or tallow is poured on the inner face of belt.

What is the name this process ?

- A) Slipping
- B) Creeping
- C) Dressing
- D) Crowning

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Month -06

New Syllabus _2022

Sector : Capital Goods And Manufacturing
Annual Pattern 2nd Year NSQF Level- 4
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6.1**TRADE : FITTER-Sr.****MONTHLY TEST : WEEK NO. 21 TO 24**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	D
2	D
3	C
4	D
5	C
6	C
7	B
8	D
9	D
10	B
11	B
12	A
13	C
14	A
15	C
16	C
17	C
18	A
19	D
20	D
21	B
22	B
23	C
24	C
25	C

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