

TRADE : FITTER-Sr.

MONTHLY TEST : WEEK NO. 25 TO 28

DATE :

SEAT NO :

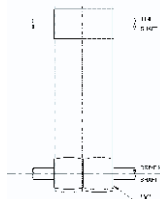
TOTAL MARKS : 100 TIME : 2 Hrs. PAPER-I

TRADE CODE : 453

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

1. What is the part marked as 'x' ?

- A) Fast pulley
- B) Crown pulley
- C) Loose pulley
- D) Flat drive pulley



2. Which coupling is required for slight relative movement ?

- A) Chain coupling B) Flange coupling
- C) Flexible coupling D) Muff coupling

3. How the shifting of belt from fast to loose pulley?

- A) By crowning face of pulley
- B) By sliding the loose pulley
- C) By adjusting the tension of belt
- D) By belt dressing

4. When ropes made from steel wires are used the pulleys generally used are -----.

- A) Casted B) Machined
- C) Built-up D) Fast and Loose

5. Job card has the details of commencing the --

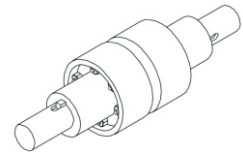
- A) Job and Customer Name
- B) work order no and document number
- C) Reference number and date.
- D) All of above

6. Which one of the following coupling is not recommended for important machineries ?

- A) Self aligning Toothed Coupling
- B) Safety Coupling
- C) Solid Coupling
- D) Flexible Pin Coupling

7. What is the name of the coupling?

- A) Slip coupling
- B) Plate coupling
- C) Clamp coupling
- D) Universal coupling



8. Which coupling will have dis-engaging provision?

- A) Clamp coupling B) Slip type coupling
- C) Universal coupling D) Plate coupling

9. Jockey or Idler pulley -----.

- A) Increases the area of contact of belt on pulley
- B) Runs the shaft at different speeds
- C) Transmits power on driver pulley
- D) All the above

10. Which of the following is used in crank and connecting rod mechanism ?

- A) Link B) Ratchet and Pawl
- C) Spring D) None of the above

11. Which one of the following is identified as a record card?

- A) Job Cards B) Activity Log
- C) Estimation D) Process Chart

12. Name the coupling which allows positive transmission of power at large angles -----.

- A) Plate coupling
- B) Universal Coupling
- C) Slip Type Coupling
- D) Clamp Coupling

13. Which of the following coupling resists any relative rotation between the two shafts ?

- A) Fast and rigid
- B) Loose or Disengaging
- C) Flexible
- D) None of the above

14. In a flange couplings, the flanges are coupled together by means of -----.

- A) Studs
- B) Bolts and Nuts
- C) Headless Taper Bolts
- D) None of the above

15. What is the name of radial distance between the pitch circle and root circle in gears?

- A) Land
- B) Addendum
- C) Dedendum
- D) Working depth

16. Which is the imaginary circle on two mating gears?

- A) Root circle
- B) Pitch circle
- C) Base circle
- D) Addendum circle

17. The total time from the beginning to the end of the process is called -----.

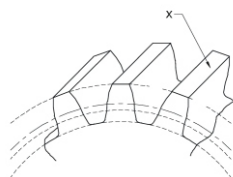
- A) Cycle time
- B) Processing time
- C) Working time
- D) All of the above

18. The complete time it takes to produce a single time is called -----.

- A) Machine cycle time
- B) Auto cycle time
- C) Overall cycle time
- D) Total cycle time

19. What is the element marked as 'X' in gear?

- A) Flank
- B) Top land
- C) Fille
- D) Face



20. The sleeve of muff coupling is designed as ----.

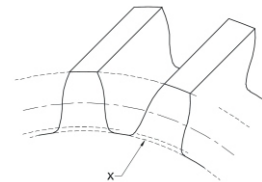
- A) Dun Cylinder
- B) Solid Shaft
- C) Thick Cylinder
- D) Hollow Cylinder

21. What is called for part which is driven by cam ?

- A) Follower
- B) Driver
- C) Prime Mover
- D) None of the above

22. What is the name of elements of gear marked as 'X'?

- A) Flank
- B) Root circle
- C) Face width
- D) Addendum



23. A process chart is a graphical representation of the activities performed during -----.

- A) Manufacturing or servicing job
- B) Sample job status
- C) Operation of machine job details
- D) Production of Line status

24. The time of machine runs un - aided without manual interversion ?

- A) Machine cycle time
- B) Auto cycle time
- C) Overall cycle time
- D) Total cycle time

25. The output of production is show in the format -----.

- A) Daily production report
- B) Manufacturing Stage Inspection report
- C) Bill of material
- D) Job card

26. Which documents used and prepared by the manufacturing department provide step by step instruction for production related tasks

- A) Batch record form
- B) Bill of material
- C) Productivity Report
- D) Job Card

27. This is not lead time, but it does help in determining it

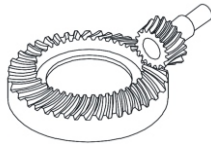
- A) Total cycle time
- B) Overall cycle time
- C) Production cycle time
- D) Auto cycle time

28. Which gear run more silently?

- A) Spur gear
- B) Mitre gear
- C) Bevel gear
- D) Helical gear

29. What is the name of the gear?

- A) Mitre gear
- B) Bevel gear
- C) Hypoid gear
- D) Worm shaft and worm gear



30. Where helical gears are used?

- A) Lathe machine
- B) Drilling machine
- C) Grinding machine
- D) Automobile vehicles

31. The general form of this gear is cylindrical and teeth are cut parallel to the centre line—

- | | |
|-----------------|---------------|
| A) Spur Gear | B) Bevel Gear |
| C) Helical Gear | D) Worm Gear |

32. In which of the following gear the teeth are cut at an angle to the axis of the rotation or gear ?

- | | |
|-----------------|---------------|
| A) Spur Gear | B) Bevel Gear |
| C) Helical Gear | D) Worm Gear |

33. Identify the use of bevel gears -----.

- A) Convert the Rotary Motion into Linear Motion
- B) Transmit power on two parallel shafts
- C) Transmit Motion between Horizontal and Vertical Shaft
- D) Transmit Motion on two shafts at an angle of 75°

34. Which type of gear drive changes rotary movement to linear movement?

- A) Hypoid
- B) Herring bone
- C) Rack and pinion
- D) Helical gear

35. Spur gears are used for power transmission - -----.

- A) On parallel shafts
- B) On Intersecting shafts
- C) On shafts at various angles to each other
- D) All the above

36. In which among the following gearing the greater ratio can be implied ?

- A) Spur Gearing
- B) Helical Gearing
- C) Worm Gearing
- D) Bevel Gearing

37. Which gears are used to connect two intersecting shaft axes ?

- A) Crossed Helical Gears
- B) Worm and Worm Wheel
- C) Bevel Gears
- D) All of these

38. The sum of addendum and dedendum is known as -----.

- | | |
|----------------|------------------|
| A) Tooth Depth | B) Whole Depth |
| C) Root Depth | D) Working Depth |

39. In a gear the difference between addendum and dedendum is called -----.

- A) Clearance
- B) Tooth Space
- C) Diametral Pitch
- D) Tooth Thickness

40. In which of the following gear eliminates the axial (end) thrust ?

- A) Spur Gearing
- B) Bevel Gearing
- C) Herring bone Gearing/Double Helical Gearing
- D) None of the above

41. What is the name of a term for determining the value of manufactured parts ?

- A) Job cards
- B) Activity
- C) Estimation
- D) Process Chart

42. Identify the operator movement chart -----.

- A) Outline Process Chart
- B) Two Handed Process Chart
- C) Flow Process Chart
- D) Man Flow Process Chart

43. Monitoring report involved in -----.

- A) Job Cards
- B) Process Chart
- C) Productivity Chart
- D) Productivity Report

44. Machine cycle time is the processing time of the -----.

- A) Machine working on a total parts
- B) Machine working on a single part
- C) Machine working on an one hours
- D) Machine working on an eight hours

45. Batch production record is prepared for each batch should include information on the -----.

- A) Production control of each batch
- B) Manufacturing and Production each batch
- C) Production and Quality control each batch
- D) Quality control of each batch

46. Which one among the following expenditure is not consisted in the overhead charges ?

- A) Advertisement Charges
- B) Expenditure Cost
- C) Rent of Factory
- D) Cost of Jig and Fixture

47. The proportion of profit should be ----- of the product cost while estimating the value - -----.

- A) 5% To 10%
- B) 10% To 15%
- C) 15% To 20%
- D) 25%

48. Outline process chart includes only -----.

- A) Operation and Inspection
- B) Operations
- C) Inspections
- D) Activity

49. Which format is made with details of maintenance activities performed machine wise?

- A) Maintenance Log
- B) Estimation Sheet
- C) Machinery And Equipment Record
- D) Preventive Maintenance Record

50. Which documents used and prepared by the manufacturing department provide step by step instruction for production related tasks.

- A) Batch record forms
- B) Bill of material
- C) Productivity Reports
- D) Job Card

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Month -07

New Syllabus _2022

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Annual Pattern 2nd Year NSQF Level- 4
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7.1**TRADE : FITTER-Sr.****MONTHLY TEST : WEEK NO. 25 TO 28**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	C
2	C
3	A
4	C
5	D
6	C
7	B
8	B
9	A
10	A
11	A
12	B
13	A
14	B
15	C
16	B
17	A
18	C
19	B
20	D
21	A
22	B
23	A
24	B
25	A

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