

TRADE : FITTER-Sr.

MONTHLY TEST : WEEK NO. 37 TO 40

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 of among the following is a semi-liquid lubricant ?

- A) Graphite B) Grease
C) Lard Oil D) Caster Oil

2. Viscosity number of compressor oil averagely is -----.

- A) 275 B) 500
C) 600 D) 2010

3. Grease is available grade numbers of 0 to 6. Which of following number of grade indicators hardest grease ?

- A) 0 B) 2
C) 5 D) 6

4. Viscosity of oils is ----- when heated.

- A) Decreases
B) Increases
C) No change occur
D) All the above

5. How many types of test mandrels are available for geometrical test?

- A) Six B) Two
C) Four D) Three

6. Which of the following friction occurs in an unlubricated bearing ?

- A) Fluid Friction
B) Dry Friction
C) Sliding Friction
D) Rolling Friction

7. This Property Indicates the tendency of an oil to mix with water:

- A) Emulsification B) De-emulsification
C) Viscosity D) Oxidation

8. The main constituent (s) of mineral oil is/are -----.

- A) Paraffin B) Naphthenic
C) Aromatics D) All the above

9. Which among the following is a solid lubricant?

- A) Wax
B) Graphite
C) Mica, Soap Stone
D) All the above

10. ----- property of lubricant means the combination of wettability, surface tension and slipperiness

- A) Viscosity B) Oiliness
C) Emulsification D) Volatility

11. Which type of rope knot used for lifting light load?

- A) Slip knot B) Square knot
C) Bowline knot D) Clove hitch knot

12. Which of the following properties are considered for grading spindle oil ?

- A) Viscosity
B) Flash point
C) Both A and B
D) Not both A & B

13. What is the name for a temperature at which the oil catches fire and continues to be in flame ?

- A) Flash Point B) Fire Point
C) Pour Point D) Specific Gravity

14. What is the name of process in rope binding?

- A) Knot
B) Crowning
C) Whipping
D) Round turn



15. The best example for splash lubrication is ----.

- A) Pump Lubrication
B) Ring Lubrication
C) Winkly Lubrication
D) Week Feed Lubrication

16. When the shaft rotates at full speed a full ring of lubricant surrounds the shaft, What is the name of this term ?

- A) Rotating Lubrication
B) Hydro-dynamic Lubrication
C) Rolling Lubrication
D) Splash Lubrication

17. Slideways of machines are frequently lubricated with help of -----.

- A) Grease Gun
B) Ring Oiler
C) Oil Can
D) Week Feed Lubricator

18. The most important quality of any lubricant is -----.

- A) Viscosity
B) Emulsification
C) Specific Gravity
D) Specific Heat

19. Liquid lubricants would not retain in the components due to high temperature. Select the proper lubricant ?

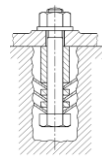
- A) Graphite B) Wax
C) Grease D) French Chalk

20. Which among the following oils is obtained from polyalklene glycols and its derivaties ?

- A) Animal Oils
B) Mineral Oils
C) Synthetic Oils
D) Vegetable Oils

21. What is the name of foundation bolt?

- A) Eye bolt
B) Bent bolt
C) Rawl bolt
D) Conical washer foundation bolt



22. Which spring suitable for high loads in limited space for washer?

- A) Flat spring
B) Wire spring
C) Conical spring
D) Compressive spring

23. What is name of the rope knot that shortens without cutting?

- A) Slip knot
B) Square knot
C) Bowline knot
D) Sheep shank knot

24. Which grouting process unaffected by oil or grease?

- A) Lead grout
B) Sulphur grout
C) Cement concrete grout
D) Clay and line mixed grout

25. What type of liquid is filled in the curved glass tube of spirit level?

- A) Petrol B) Benzine
C) Distilled water D) Industrial alcohol

26. Name the rope binding method?



- A) Loop B) Bight
C) Knot D) Round turn

27. What is meant by "Loop" in rope binding terminology?

- A) Binding of rope
- B) Bending of rope
- C) Fastening of rope
- D) Turn made by crossing the sides of bight

28. Which material is used to make block spirit level?

- A) White cast iron
- B) Tool steel
- C) High carbon steel
- D) Stress free cast iron or steel

29. Which crane is used in remote place and offsite?

- A) Gantry crane
- B) Pillar jib crane
- C) Travelling wall crane
- D) Truck mounted crane

30. What is the ratio of concrete mixer of cement, sand and stone for foundation?

- A) 1:2:4
- B) 2:1:4
- C) 4:2:1
- D) 4:1:2

31. Which wire rope strands are twisted in the same direction?

- A) Lang lay rope B) Rigid lay rope
- C) Regular lay rope D) Combined lay rope

32. Why foundation bolt are essential to machines?

- A) Observe vibration
- B) Hold machine firmly
- C) Improve the production
- D) Avoid shifting of machine

33. What is the purpose of triangular frame base resting on ground in the frame of derrick lifting equipment?

- A) Prevent the vibration
- B) Avoid slipping of load
- C) Prevent imbalance of load
- D) Prevent base from moving under load

34. How jib crane is used to move the load?

- A) Radially
- B) Vertically
- C) Horizontally
- D) Inclined angle

35. Which type of rope is used for heavy duty hoisting?

- A) Wire ropes
- B) Yarn ropes
- C) Cotton ropes
- D) Manila ropes

36. Which is the least efficient but most common type of chain hoist available?

- A) Differential hoist
- B) Spur geared hoist
- C) Screw geared hoist
- D) Come along chain hoist

37. How jip crane is used to move the load?

- A) Horizontally
- B) Vertically
- C) Inclined angle
- D) Radially

38. Lifting and moving of loads by hoisting equipments is a ----- operation.

- A) Rigging B) Installation
- C) Wriring D) Transportation

39. Which one of the following chain hoist can lift loads to short distance ?

- A) The come along/Ratchet Operated
- B) Differential
- C) Spur Gear
- D) Screw Gear

40. Which hoisting mobile equipment is used for self loading and shifting them to different places in factory ?

- A) Jib Crane
- B) Fork Lift
- C) Chain Hoist
- D) Gear Hoist

41. Gin pole derricks is used for rigging of -----.

- A) Light Load
- B) Heavy Load
- C) Both A and B
- D) None of A and B

42. Gantry cranes are used -----.

- A) Inside of the buildings
- B) Outside of the buildings
- C) Both of the above
- D) On the roof of Buildings

43. Forged steel bolts are also called as -----.

- A) Machined Bolts
- B) Black Bolts
- C) Eye Bolts
- D) Machine Screws

44. Which among the following chain hoist is used more often to stretch the wires and cables ?

- A) Differential B) Spur Gear
- C) Screw Gear D) The come along/pull lift

45. The purpose of providing a lifting pockets with equipments is -----.

- A) To Minimise the Weight
- B) For Easy Handling
- C) For placing the Tip or Toe of Crow Bar for Lifting and moving it
- D) All the above

46. What is the main support of the jib crane ?

- A) Horizontal Boom
- B) Vertical Mast
- C) Stiff Leg
- D) Guy Support

47. Name of the equipment used for load raising or lowering is -----.

- A) Rope
- B) Hoist
- C) Vehicles
- D) Rollers

48. Which bolts are used in assemblies with clearance holes ?

- A) Machined Bolts B) Black Bolts
- C) Eye Bolts D) Foundation Bolts

49. Filling of gap between the bottom of the machine and the top of floor or foundation block is called as -----.

- A) Filling B) Levelling
- C) Concreting D) Grouting

50. Hexagonal headed bolts and nuts are preferred in assemblies because -----.

- A) Easy to forge
- B) More spanner position for tightening
- C) Less Material Required
- D) More rigid

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Month -10

New Syllabus _2022

Sector : Capital Goods And Manufacturing
Annual Pattern 2nd Year NSQF Level- 4
INDUSTRIAL TRAINING INSTITUTE

10.1**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	B
2	A
3	D
4	A
5	B
6	B
7	A
8	A
9	D
10	B
11	D
12	C
13	B
14	C
15	B
16	B
17	C
18	A
19	C
20	C
21	D
22	C
23	D
24	B
25	D

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