

Objective questions on MWT-04

1. Number of POH workshops in Northern railway are
 - a) 3
 - b) 4
 - c) 5
 - d) 6

2. Highest Rank officer of workshop in Zonal Railways is
 - a) CWM
 - b) CWE
 - c) Dy.CME
 - d) CMM

3. Designation of PHOD of Mechanical Deptt.
 - a) PCWE
 - b) Dy.CME
 - c) PCMM
 - d) PCME

4. Designation of Highest Rank officer in POH workshop
 - a) CWE
 - b) Dy.CME
 - c) CWM
 - d) CWE

5. Full form of Dy.CEE is
 - a) Direct Chief Electrical Engineer
 - b) Deputy Chief Electrical Engineer
 - c) Direct Chief Electronic Engineer
 - d) Direct Chief Executive Engineer

6. Full form of CWE is
 - a) Chief Workshop Engineer
 - b) Chief Wages Engineer
 - c) Chief Workorder Engineer
 - d) None of these.

7. Full form of Dy.CMM
- a) Deputy Chief Manpower Manager
 - b) Direct Chief Manpower Manager
 - c) Deputy Chief Material Manager
 - d) None of these.
8. Full form of Dy.FA & CAO
- a) Deputy Financial Advisor & Chief Account Officer
 - b) Direct Financial Advisor & Chief Account Officer
 - c) Deputy Freight Advisor & Chief Administrative Officer
 - d) None of these.
9. Any Workshop is divided in following part
- a) Ward
 - b) Shop
 - c) Store
 - d) None of these.
10. Main Activity of the Workshop is
- a) POH
 - b) IOH
 - c) ROH
 - d) Both a & b
11. Diesel loco is repaired in following workshop
- a) AMV
 - b) CB
 - c) ASR
 - d) Both a & b
12. Wagons are repaired in following workshop
- a) AMV
 - b) CB
 - c) ASR
 - d) JUDW
13. In a workshop, Shops are headed by
- a) AWM
 - b) WM
 - c) SSE
 - d) JE

14. Which is not the part of a workshop

- a) Shops
- b) Sections
- c) Ward
- d) None of these.

15. Main activity of corrosion repair shop is

- a) Corrosion repair
- b) Corrosion repair & painting
- c) Corrosion repair & Air.brake testing
- d) Welding.

16. Following shops are called production shops

- a) Machine,Tool & Bogie shop
- b) Black smith,Machine,Tool & Bogie shop
- c) Black smith,Machine,Tool & Welding shop
- d) Machine,Tool & paint shop

17. Following are called Production control organization (PCO)

- a) Progress,Planning & inspection
- b) Progress,Planning & General Section
- c) Progress,Planning & Pass section
- d) None of these

18. The standard wheel gauge of passenger BG coaching stock is

- a) 1602 mm
- b) 1600 mm
- c) 1598 mm
- d) 1604 mm

19. Length over body of ICF BG coaches is

- a) 21337 mm
- b) 24000 mm
- c) 25000 mm
- d) 24500 mm

20. Which part is not used in ICF trolley

- a) Anchor Link
- b) Guide Bush
- c) BSS hanger
- d) Yaw Damper

21. Coaching stock accident involving human life enquiry by

- a) CME
- b) CRS
- c) Sr.DME
- d) ADRM

22. Yellow strips on end body of ICF indicate is –

- (a) Anti-telescopic
- (b) Dual brake
- (c) In built air brake
- (d) None of these

23. What defect is detecting UST test?

- (a) Internal crack
- (b) External crack
- (c) Air flow crack
- (d) None of the above

24. What is Codal life of steel bodied coaches (Including dining / pantry cars) -

- (a) 40 years
- (b) 30 years
- (c) 25 years
- (d) 22 years

25. Codal life of light utilization categories of coaches is -

- (a) 40 years
- (b) 30 years
- (c) 25 years
- (d) 20 years

26. All newly built coaches shall be given IOH after -

- (a) One month
- (b) six month
- (c) one year
- (d) two year

27. Over all width of ICF/ RCF coach is -

- (a) 3251 mm
- (b) 3250 mm
- (c) 3245 mm
- (d) 3991 mm

28. Re painting of coaching stock as per "C" schedule is done at every –

- (a) 3.0 year
- (b) 3.5 year
- (c) 4.5 year
- (d) 5.0 year

29. How many emergency windows provided in AC ICF/RCF coaches are –

- (a) Two
- (b) Three
- (c) Four
- (d) Five

30. Length over body of LHB coach is –

- (a) 21770 mm
- (b) 21337 mm
- (c) 23540 mm
- (d) 25540 mm

31. Maximum width of LHB coach is –

- (a) 3250 mm
- (b) 3240 mm
- (c) 3245 mm
- (d) 3325 mm

32. Height over roof of LHB coach is

- (a) 4039 mm
- (b) 4025 mm
- (c) 4026 mm
- (d) 4047 mm

33. What is the length over buffer of LHB coach?

- (a) 2444 mm
- (b) 2424 mm
- (c) 22100 mm
- (d) 24000 mm

34. Which bogies are provided for higher passengers ride index comfort?

- (a) ICF (all coil)
- (b) IRS type
- (c) BEML type
- (d) Fiat –SIG type

35. How much length of LHB coach is increased in compression of ICF coach?

- (a) Appx-2.0 meter
- (b) Appx-3.0 meter
- (c) Appx-1.5 meter
- (d) None of the above

36. Maximum tare weight of the LHB coach is –

- (a) 40.28 t
- (b) 41.31 t
- (c) 41.88 t
- (d) 42.03 t

37. Condemning wheel diameter of LHB coach is –

- (a) 813 mm
- (b) 840 mm
- (c) 845 mm
- (d) 874 mm

38. The roof seat, side wall seat and end floor seat are fabricated of –

- (a) Cast steel
- (b) Silicon steel
- (c) Mild steel
- (d) Stainless steel

39. The under frame of LHB coach is fabricated of –

- (a) Cast steel
- (b) Silicon steel
- (c) Corton steel
- (d) Stainless steel

40. Codal life of LHB coach is –

- (a) 40 year
- (b) 45 year
- (c) 50 year
- (d) None of the above

41. Piston stroke of brake cylinder of LHB coach is –

- (a) 8-10 mm
- (b) 15-20 mm
- (c) 22-25 mm
- (d) 30-32 mm

42. How many speed sensors have been provided in LHB coaches wheel?

- (a) Two
- (b) Three
- (c) Four
- (d) Five

43. The capacity of air reservoir of LHB coach is –

- (a) 125 litre
- (b) 150 litre
- (c) 175 litre
- (d) 200 litre

44. What type of coupler used in LHB coaches?

- (a) 'H' type coupler
- (b) Tight lock coupler with anti clamping feature
- (c) CBC type
- (d) None of the above

45. At what interval for IOH (SS-I) of all type LHB coach?

- (a) One month \pm 15 days
- (b) Three monthly \pm 15 days
- (c) Six monthly \pm 15 days
- (d) Yearly \pm 30 days

46. At what interval for POH (SS-II & SS-III) of all type LHB coach?

- (a) Two yearly \pm 60 days
- (b) Three monthly \pm 30 days
- (c) Six monthly \pm 30 days
- (d) Yearly \pm 60 days

47. What is the full form of LHB?

- (a) Lower heavy Bogie
- (b) Linke Hofmann-Busch
- (c) low height Bogie
- (d) None of these

48. Which type of Roller bearing is used in LHB coaches?

- (a) Spherical Roller bearing.
- (b) Plain Roller bearing.
- (c) Cartridge Tapered Roller bearing.
- (d) None of these.

49. Who is responsible for the examination of coaches & Wagons after POH & ROH

- a) NTXR
- b) Depot incharge
- c) CWM
- d) None of these.

50. Following item is not in passenger amenities category

- a) PVC flooring
- b) Wash basin
- c) Magazine bag
- d) Bottle holder

51. Following item is not in safety category

- a) CBC
- b) Hanger Block
- c) Brake beam
- d) Bottle holder

52. Repair of M&P in workshop is conducted by following shop

- a) Air brake Shop
- b) Painting shop
- c) Mill wright shop
- d) none of these

53. Coaches are transfer in workshop by

- a) Transformer
- b) Traverser
- c) Winch
- d) none of these

54.Coaches are lifted with the help of following

- a) EOT Crane
- b) Jamalpur jack
- c) (a) & (b)
- d) None of these

55. Which welding is most suitable for SS welding

- a) TIG
- b) Manual Arc Welding
- c) MIG
- d) Oxy-Acetylene

56. For lathe operations, work piece can be hold

- a) between centres
- b) on mandrel
- c) either between centres or on mandrel
- d) none of the mentioned

57.Taper boring and the under boring can be performed by

- a) centers
- b) face plates or angle plates
- c) special attachments
- d) none of the mentioned

58. Which of the following joint have high corrosion resistance?
- a) Welding joint
 - b) Riveted joint
 - c) Bolted joint
 - d) None of the above
59. Single-V and single-U butt welds are used for sheets of thickness
- a) upto 10mm
 - b) 5-15mm
 - c) 10-20mm
 - d) 15-25mm
60. Double-V and double-U butt welds are used for plates of thickness
- a) 1-5mm
 - b) 5-10mm
 - c) 10-15mm
 - d) Over 15mm
61. Which of the following types is not fillet weld?
- a) butt joint
 - b) lap joint
 - c) T-joint
 - d) Corner joint
62. The metals having good weldability, in descending order are
- a) cast steel, iron, carbon steel, cast iron
 - b) carbon steel, iron, cast steel, cast iron
 - c) iron, carbon steel, cast steel, cast iron
 - d) cast iron, iron, carbon steel, cast steel
63. Heat is created by chemical reaction in
- a) Resistance welding
 - b) Oxy-acetylene welding
 - c) Tungsten arc welding
 - d) Thermit welding
 - e)
64. The heat generated (H) in resistance welding is expressed by
- a) I^2Rt
 - b) IR^2t
 - c) IRt^2
 - d) $2IRT$
65. In resistance welding, two electrodes are made of
- a) Aluminium
 - b) Copper
 - c) Iron
 - d) Bronze

66. Which of the following is not a resistance welding?
- Spot welding
 - Butt welding
 - Pressure welding
 - Percussion welding
67. In oxy-acetylene welding colour of oxygen cylinder is
- Red
 - Maroon
 - Black
 - Brown
68. In oxy-acetylene welding colour of oxygen cylinder is
- Red
 - Maroon
 - Black
 - Brown
69. Acetylene can be prepared by the chemical reaction between
- Water and Calcium carbide
 - Water and Calcium carbonate
 - Hydrogen and Calcium carbide
 - Hydrogen and Calcium carbonate
70. Workshops are governed by following Act.
- Factory Act-1948
 - Minimum wages Act-1948
 - Workmen compensation Act-1906
 - Payment of Gratuity Act-1972
71. The main function of a Millwright section is:
- To maintain the Machinery & Plant
 - To repair coach underframe
 - To IOH Bogie
 - None of the above
72. The maintenance practice for machines and equipment adopted in workshop are:
- Break down maintenance
 - Preventive maintenance
 - Condition based maintenance
 - All of the above
73. Precautions to be taken while / before carrying out repairs on a machine:
- To cut off the power supply to machine
 - Using the safety devices
 - Using insulators
 - All of the above

74. Wheels are provided with flange towards the inner side, which guide the wheels to travel on the rails.
- a) True
 - b) False
75. The wheel is better understood by dividing it into the following parts
- a) Hub
 - b) Disc
 - c) Tyre
 - d) All of the above
76. Hub is the centre portion of the wheel, where the wheel is fixed to the axle by means of interference fit.
- a) True
 - b) False
77. Thickness of the wheel is maximum at the hub portion.
- a) True
 - b) False
78. The profile of the tyre is significant for safe running of the trains.
- a) True
 - b) False
79. Taper is given on the tread to have higher diameter near the flange and lower diameter at the outer edge, to facilitate curve negotiation.
- a) True
 - b) False
80. Measurable wheel defects arising due to normal wear & tear during service
- a) Thin flange
 - b) Deep flange
 - c) Sharp flange
 - d) All of the above
81. Thermal cracks appear on a wheel tread due to intense heating of the wheel arising out of severe brake binding.
- a) True
 - b) False
82. Axles involved in Accidents should be magnaflux tested in addition to Ultrasonic test
- a) True
 - b) False

83. Axle having notch should be withdrawn from service

- a) True
- b) False

84. No repairs, except wheel profiling of wheel sets is permitted to be done in the maintenance depot.

- a) True
- b) False

85. While tyre turning, it should be ensured that variation on the same axle is within 0.5 mm

- a) True
- b) False

86. 1. Which machine tool is known as the mother machine tool?

- a) Drill
- b) milling
- c) lathe
- d) none of mentioned

87. Lathe is primarily used for producing ____ surfaces.

- a) Flat
- b) cylindrical surfaces
- c) taper
- d) none of the mentioned

88. What is the necessary condition for turning?

- a) material of work piece should be harder than the cutting tool
- b) cutting tool should be harder than the material of work piece
- c) hardness of the cutting tool and material of of piece should be same
- d) none of the mentioned

89. The swing diameter over the bed is the largest diameter.

- a) True
- b) false

90. Which type of feed is needed in facing operation?

- a) Longitudinal
- b) cross
- c) both cross and longitudinal
- d) none of the mentioned

91. Which type of surface is produced in facing operation?

- a) Cylindrical
- b) taper
- c) flat
- d) none of the mentioned

92. In taper operation, which type of surface is produced?

- a) Flat
- b) curve
- c) circular
- d) none of the mentioned

93. Which of the following is not true regarding tailstock?

- a) Tailstock is also known as loose headstock
- b) it is a fixed unit on the bed ways
- c) it provides support to the other end of the work when it is being machined
- d) none of the mentioned

94. For performing which kind of operations, it (tailstock) holds a tool?

- a) Drilling
- b) reaming
- c) tapping
- d) all of the mentioned