

Model Question

1. No. of Tamping tools fitted in CSM.
a) 16 b) 24 c) 32 d) 48
2. Width and length of CSM full tamping tool blade is
a) 85x140 b) 80x145 c) 70x140 d) 80x140
3. No of tamping tolls fitted in one unit of CSM is
a) 16 b) 24 c) 32 d) 48
- 4) In CSM tamping units are fitted with
a) Main machine frame b) Satellite frame c) None of them d) any of them
5. No. of squeezing cylinder in a tamping unit of CSM is
a) 8 nos. b) 16 Nos. c) 4 nos. d) 12 nos.
6. No. of big male squeezing cylinder in one tamping unit of CSM is
a) 2 nos. b) 4 nos. c) 6 nos. d) none of them.
7. No. of big female squeezing cylinder in one tamping unit of CSM is
a) 2 nos. b) 4 nos. c) 6 nos. d) none of them.
8. Total big male squeezing cylinders are in CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) None of them.
9. Total no. of big squeezing cylinders are in CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) 8 nos.
10. Total no. of small squeezing cylinders are in CSM
a) 4 nos. b) 8 nos. c) 12 nos. d) 16 nos.
11. Total nos. of male small squeezing cylinders in CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) 8 nos.
12. Total nos. of female small squeezing cylinders are in CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) 8 nos.
13. Total no. of male small squeezing cylinder in one tamping unit of CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) 8 nos.
14. Total no. of female small squeezing cylinder in one tamping unit of CSM
a) 2 nos. b) 4 nos. c) 6 nos. d) 8 nos.
15. Total no. of Tamping arms in CSM
a) 8 nos. b) 16 nos. c) 24 nos. d) 32 nos.
16. Total nos. of big Tamping arms in CSM
a) 4 nos. b) 6 nos. c) 8 nos. d) 12 nos.
17. Total nos. of small tamping arms in CSM
a) 4 nos. b) 6 nos. c) 8 nos. d) 12 nos.
18. Total nos. of big arms in one tamping unit of CSM
a) 2 nos. b) 4 nos. c) 8 nos. d) None of them
19. Total nos. of small arms in one tamping unit of CSM
a) 2 nos. b) 4 nos. c) 8 nos. d) None of them
20. No. of tamping tools fitted in one big tamping arm of CSM
a) 1 nos. b) 2 nos. c) 4 nos. d) None of them



21. No. of tamping tools fitted in one small tamping arm of CSM
a) 1 nos. b) 2 nos. c) 4 nos. d) None of them
22. Total nos. of vibration shaft in one tamping unit of CSM
a) 1 nos. b) 2 nos. c) any of them d) None of them.
23. No. of bearings on a vibration shaft of CSM tamping unit
a) 9 nos. b) 10 nos. c) 11 nos. d) 12 nos.
24. _____ types of bearings fitted on a vibration shaft of CSM unit.
a) 2 types b) 3 types c) 4 types d) 5 types
25. Tamping arm link pin dia of CSM tamping unit is
a) 30 mm b) 35 mm c) 40 mm d) 45 mm
26. Arm pin dia of CSM tamping unit
a) 60 mm b) 55 mm c) 70 mm d) 80 mm
27. No. of fly wheel fitted in a tamping unit of CSM
a) 1 no. b) 2 nos. c) None of these d) both of them
28. Tamping unit main bearing lubricating oil tank is
a) With fly wheel cover b) separately mounted on machine body
c) separately mounted with tamping unit d) none of these.
29. Tamping unit arm bush lubricating oil tank is
a) With fly wheel cover b) separately mounted on machine body
c) separately mounted with tamping unit d) none of these.
30. Tamping arm PB bush inner diameter of CSM is
a) 65 mm b) 70 mm c) 85 mm d) 55 mm
31. No. of tamping arm PB bush for one arm is
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
32. Total nos. of Arm pin required in one tamping unit of CSM is
a) 4 nos. b) 6 nos. c) 8 nos. d) 12 nos.
33. No. of guide column of a tamping unit of CSM is
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
34. Distributor block of CSM tamping unit is
a) triangular in shape b) square in shape c) tubular in shape d) rectangular in shape
35. No. of distributor block fitted in one tamping unit of CSM is
a) 1 no. b) 2 nos. c) None of these d) both of them
36. No. of lifting unit fitted in CSM
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
37. No. of rail clamp rollers fitted in CSM
a) 4 no. b) 6 nos. c) 8 nos. d) 10 nos.
38. No. of lifting cylinders used in CSM
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
39. No. of rail clamp closing cylinders in CSM
a) 2 no. b) 4 nos. c) 6 nos. d) 8 nos.
40. No. of lining rollers fitted in CSM
a) 2 no. b) 4 nos. c) 6 nos. d) 8 nos.
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41. No. of lining cylinders fitted in CSM
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
42. No. of tamping unit lifting cylinder used in CSM
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
43. No. of Powered axle in CSM for transit drive
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
44. No. of idle axle in CSM
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
45. No. of powered axle in CSM for work drive
a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.
46. Powered baggie of CSM is
a) Front boggie b) Rear boggie c) both of them d) any of them
47. Work drive of CSM is
a) ZF drive b) Hydraulic drive c) none of them d) both of them.
48. Satellite axle is powered
a) In work drive b) In transit drive c) Both of them d) None of them
49. Satellite axle drive is powered by
a) Pneumatic power b) Hydraulic power c) Mechanical Power d) none of these.
50. Satellite drive is engaged by
a) Pneumatic power b) Hydraulic power c) Mechanical Power d) none of these.
51. No. of axle support cylinders in CSM is
a) 4 no. b) 6 nos. c) 2 nos. d) 8 nos.
52. No. of cabin support cylinders in CSM
a) 2 no. b) 3 nos. c) 4 nos. d) 6 nos.
53. All support cylinders activated in
a) Working mood b) Transit drive mood c) both of them c) None of them.
54. No. of satellite support cylinder in CSM
a) 1 no. b) 2 nos. c) 4 nos. d) None of these.
55. Types of gear box used in CSM
a) ZF b) Crown pinion c) distributor d) all of them
56. Types of gear boxes used in CSM
a) ZF b) distributor c) reduction gear box d) all of them
57. CSM corrects parameter
a) Cross level b) long level c) versine d) All of them
58. EK 16V controls
a) Tamping unit b) Power supply c) Programming d) None of these.
59. EK 813 PCB in CSM is for
a) Tamping unit control b) satellite movement c) lining control d) Power supply
60. No. of potentiometer used for each tamping unit
a) 1 no. b) 2 nos. c) 3 nos. d) None of these.
61. Height transducer used in CSM for



a) lining system b) lifting system c) both of them d) none of them.

62. No. of lining chord is fitted in CSM

a) 1 no. b) 2 nos. c) None of these d) both of them

63. No. of lifting chord is fitted in CSM

a) 1 no. b) 2 nos. c) None of these d) both of them

64. No. of brake shoes in CSM

a) 4 b) 8 c) 10 d) 12

65. No. of brake cylinders used in CSM including satellite

a) 2 no. b) 3 nos. c) 4 nos. d) None of these.

66. In work drive _____ brake is applied in case of CSM

a) Hydraulic b) Pneumatic c) Both of them d) None of them.

67. Pneumatic un-loader valve of CSM unloads pneumatic pressure at

a) 6.6 bar b) 7.2 bar c) 3.5 bar d) none of them.

68. System pump used in CSM is

a) VD type b) FD type c) Gear type d) none of them.

69. Work drive pump used in CSM is

a) VD type b) FD type c) Gear type d) none of them.

70. No. of cooling fan drive motor in CSM

a) 2 no. b) 3 nos. c) 4 nos. d) None of these.

71. Hydraulic system pressure of CSM is

a) 140 bar b) 150 bar c) 120 bar d) 85 bar

72. Maximum VD pump drive pressure in CSM is

a) 210 bar b) 350 bar c) 380 bar d) None of them.

73. Hydraulic pressure of tamping unit vibration of CSM is

a) 120 bar b) 140 bar c) 150 bar d) 210 bar.

74. Big squeezing cylinder squeezing pressure for CSM

a) 120 bar b) 140 bar c) 150 bar d) None of them.

75. Small squeezing cylinder squeezing pressure for CSM

a) 120 bar b) 140 bar c) 150 bar d) 35 bar.

76. Big squeezing counter pressure for CSM

a) 35 bar b) 120 bar c) 140 bar d) 150 bar.

77. Small squeezing counter pressure for CSM

a) 150 bar b) 120 bar c) 35 bar d) 140 bar.

78. Nitrogen Pressure in 32 ltr. accumulator of CSM is

a) 85 bar b) 120 bar c) 150 bar d) None of them.

79. Accumulator in CSM is filled with

a) Oxygen b) Carbon dioxide c) air d) Nitrogen.

80. No. of accumulator used in CSM

a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.

81. CSM Tamps _____ sleeper at a time

a) 1 no. b) 2 nos. c) 3 nos. d) 4 nos.

82. Satellite unit found in
a) CSM b) CSM c) TXP d) a & c both
83. One no. satellite axle is found in
a) CSM b) DUO c) TXP d) UNI
84. Hydraulic brake is applied in work drive of
a) CSM b) UNI c) Both of them d) None of them.
- 85) Two nos. satellite axle found in
a) CSM b) DUO c) TXP d) UNI
86. Work Drive of CSM is
a) Hydraulic b) Mechanical c) ZF d) any of them.

Answer:

1. c) 2.c) 3. a) 4. b) 5. a) 6. a) 7. a) 8. b) 9. d) 10. b) 11. b) 12. b) 13. a)
14. a) 15. b) 16. c) 17. c) 18. b) 19. b) 20. b) 21. b) 22. a) 23. c) 24. d) 25. b) 26. b)
27. b) 28. a) 29. a) 30. b) 31. b) 32. c) 33. b) 34. a) 35. a) 36. b) 37. c) 38. b) 39. b)
40. b) 41. b) 42. b) 43. b) 44. b) 45. b) 46. a) 47. b) 48. a) 49. b) 50. a) 51. d) 52. a)
53. a) 54. b) 55. d) 56. d) 57. d) 58. a) 59. d) 60. a) 61. b) 62. a) 63. b) 64. c) 65. c)
66. b) 67. b) 68. b) 69. a) 70. c) 71. a) 72. a) 73. c) 74. b) 75. b) 76. b) 77. c) 78. a)
79. d) 80. d) 81. b) 82. d) 83. a) 84. b) 85. c) 86. a)



Syllabus for the post of Technician Gr.-III/Track machine in level-2 against 25% qualified Quota.

- Function of Track Machine Organization
 - Functions of divisional control, track machine control & zonal HQ control in respect of track machine.
 - Different type of Track machines, important assemble, rated progress, working mechanism and symbols.
 - Basic principal of of working of different types of track machines.
 - Works required before, during and after deployment of track machines.
 - Schedule maintenance for different track machines.
 - Requirement of man power, training and roster.
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