Ballast Cleaning Machine

(RM-76)

1. The RM-76 machine can do screening of ballast?
   (a) In plain track (b) In point & crossing (c) Both (a) & (b) (d) None of these
2. Length from Buffer to Buffer of RM-76 machine is –
   (a) 24730 mm (b) 24000 mm (c) 24500 mm (d) None of these
3. Height above rail level of RM-76 machine is -
   (a) 4000 mm (b) 4015 mm (c) 4500 mm (d) None of these
4. Width of RM-76 machine is –
   (a)3130mm (b) 3150 mm (c) 3500 mm (d) None of these
5. Wheel dia. Of RM-76 machine is –
   (a) 900 mm (b) 930 mm (c) 800 mm (d) None of these
6. Total weight of RM-76 machine is –
   (a) 71 tones (b) 65 tones (c) 80 tones (d) None of these
7. Engine Provided on RM-76 machine is –
   (a) Cummins Engine (b) MWM Engine (c) Deutz Engine (d) None of these
8. How many shovels are provided in RM-76 machine?
   (a) 80 nos. (b) 76 nos. (c) 90 nos. (d) None of these
9. How many intermediate shovels are provided in RM-76 machine?
   (a) 76 nos. (b) 85 nos. (c) 90 nos. (d) None of these
10. Appropriate size of ballast is spread through –
    (a) Main Conveyor Belt (b) Distribution Conveyor Belt
    (c) Waste Conveyor Belt (d) None of these
11. Over size and under size ballast is thrown out of track through –
    (a) Main Conveyor Belt (b) Distribution Conveyor Belt
    (c) Waste Conveyor Belt (d) None of these
12. The length of extension piece is –
    (a) 500 mm (b) 600 mm (c) 700 mm (d) None of these
13. The size of ballast screen on machine is –
    (a) 80mm, 50mm, 32/25mm (b) 70mm, 50mm, 32/25mm
    (c) 60mm, 50mm, 40mm (d) None of these
14. Following is the part of RM-76 machine –
    (a) Ascending/ Descending trough (b) Waste Conveyor
    (c) Both (a) & (b) (d) None of these

15. Cutter bar is used for the purpose of –

(a) Linking of cutting chain (b) Linking of lifting unit

(c) Linking of lining unit (d) None of these

16. How many pumps are provided in RM-76 machine-

(a) 6 Nos. (b) 8 Nos.

(c) 9 Nos. (d) None of these

Answer

Question no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Answer	c	a	b	a	a	a	d	b	a	b	c	a	a	c	a	c

Ballast Cleaning Machine

(RM-80)

1. What is the length over buffers of BCM RM-80?

(a) 30,000 mm (b) 30,600 mm (c) 29,500 mm (d) None of these

2. What is the width of BCM RM-80?

(a) 3050 mm (b) 3000 mm (c) 4500 mm (d) None of these

3. What is the height of machine BCM RM-80 above rail top?

(a) 4015 mm (b) 4000 mm (c) 3500 mm (d) None of these

4. What is the wheel dia. of BCM RM-80?

(a) 900 mm (b) 920 mm (c) 940 mm (d) None of these

5. What is total weight of BCM RM-80 machine?

(a) 85 tones (b) 91 tones (c) 72 tones (d) None of these

6. What is maximum axle load of BCM RM-80 machine?

(a) 20 tones (b) 18.5 tones (c) 25 tones (d) None of these

7. The screening of ballast is done in RM-80 machine by –

(a) Dredger drum (b) Screen drum (c) Both (a) & (b) (d) None of these

8. The length of main conveyor belt of BCM RM-80 machine is -

(a) (b) (c) (d) None of these

9. The length of cutting chain of BCM RM-80 machine -

(a) 25 mtrs (b) 20.5 mtrs (c) 30 mtrs (d) None of these

10. No. of Gear boxes provided in BCM RM-80 machine -

(a) One (b) Two (c) Three (d) None of these

11. Wear arc plate 64.08.8032 is provided on BCM RM-80 machine is

(a) Ascending trough (b) Descending trough (c) Dredger drum (d) None of these

12. How many shovels are provided in BCM RM-80 machine?

(a) 82 nos. (b) 90 nos. (c) 75 nos. (d) None of these

13. How many intermediate shovels are provided in BCM RM-80 machine?

(a) 90 nos. (b) 82 nos. (c) 70 nos. (d) None of these

14. Maximum lifting can be done by BCM RM-80 machine is

(a) 100 mm (b) 200 mm (c) 300 mm (d) None of these

15. What is the screening capacity of BCM RM-80 machine –

(a) 600-650 m^3 /effective hour (b) 200-250 m^3 /effective hour

(c) 400 m^3 /effective hour (d) None of these

16. Maximum slewing by BCM RM-80 machine can be done is –

(a) ±200 mm (b) ±300 mm (c) ±400 mm (d) None of these

Answer

Question no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Answer	b	a	a	a	b	b	c		b	b	c	a	b	a	a	b

Ballast Cleaning Machine

(RM-80/92U)

1. BCM RM-80/92U is used for screening of ballast of -

   (a) Plain track (b) Point & crossing (c) Both (a) & (b) (d) None of these

2. No. of shovels in BCM RM-80/92U is-

   (a) 70 Nos. (b) 82 Nos. (c) 92 Nos. (d) None of these

3. The length of extension piece of cutter bar is –

   (a) 900 mm (b) 500 mm (c) 700 mm (d) None of these

4. Following is the part of BCM RM-80/92U

   (a) Ascending trough (b) Descending trough

   (c) Both (a) & (b) (d) None of these

5. Chain tensioning is provided by the …….in BCM RM-80/92U

   (a) Chain tensioning cylinder (b) Lifting cylinder

   (c) Both (a) & (b) (d) None of these

6. How many types of conveyor belts provided in BCM RM-80/92U-

   (a) Four (b) Two (c) Three (d) None of these

7. Turn table used for BCM RM-80/92U machine for

   (a) Lifting of track (b) Slewing of track

   (c) Swiveling movement of waste conveyor (d) None of these

8. Chain tensioning cylinder is provided

   (a) Ascending trough (b) Descending trough

   (c) Dredger drum (d) None of these

9. Nos. of Corner, Roller provided on BCM RM-80/92U

   (a) 2 Nos. (b) 5 Nos. (c) 4 Nos. (d) None of these

10. The traveling mode of BCM RM-80/92U is

    (a) Mechanical (b) Hydraulic (c) Electrical (d) None of these

11. No. of Gear boxes provided in BCM RM-80/92U machine -

    (a) One (b) Two (c) Three (d) None of these

12. No. of axles provided in BCM RM-80/92U machine -

    (a) 4 Nos. (b) 6 Nos. (c) 2 Nos. (d) None of these

13. No. of hyd. Pumps provided in BCM RM-80/92U in front gear box is

    (a) 6 Nos. (b) 9 Nos. (c) 5 Nos. (d) None of these

14. No. of hyd. Pumps provided in BCM RM-80/92U in rear gear box is

(a) 8 Nos. (b) 6 Nos. (c) 5 Nos. (d) None of these

15. Amount of distribution of ballast can be done by

(a) Rail clamp cylinder (b) Flap cylinder

(c) Both (a) & (b) (d) None of these

16. Dredger drum is rotated in BCM RM-80/92U by

(a) Hydraulic motor (b) Hydraulic cylinder

(c) Both (a) & (b) (d) None of these

17. Anti collision device provided in BCM RM-80/92U is

(a) To protect from OHE mast (b) For extra lifting

(c) Both (a) & (b) (d) None of these

18. How many round shaft chisels are provided in one shovel in BCM RM-80/92U

(a) 5 Nos. (b) 3 Nos. (c) 4 Nos. (d) None of these

19. Fixing pin is provided for fastening of –

(a) Round Shaft Chisel (b) Corner Roller

(c) Both (a) & (b) (d) None of these

20. The horse power of Engine BF12L513C provided on BCM RM-80/92U

(a) 453 HP. (b) 200 HP (c) 300 HP (d) None of these

21. The working mode of BCM RM-80/92U is

(a) Mechanical (b) Hydraulic (c) Electrical (d) None of these

22. Nos. of speed can be adopted for cutting chain in BCM RM-80/92U

(a) 1 Nos. (b) 2 Nos. (c) 4 Nos. (d) None of these

23. Chain belt is provided for the purpose of fastening of

(a) Links (b) Conveyor belt (c) Both (a) & (b) (d) None of these

24. Lubrication of corner roller is done by

(a) Hydraulic oil (b) Gear oil (c) Grease (d) None of these

25. During working of BCM RM-80/92U, following brake is applied

(a) Mechanical (b) Hydraulic (c) Pneumatic (d) None of these

26. During traveling of BCM RM-80/92U, following brake is applied

(a) Mechanical (b) Hydraulic (c) Pneumatic (d) None of these

27. Wear plate 64.08.1215 is provided on BCM RM-80/92U machine is

(a) Ascending trough (b) Descending trough (c) Dredger drum (d) None of these

28. Wear plate 64.08.1469 is provided on BCM RM-80/92U machine is

(a) Ascending trough (b) Descending trough (c) Dredger drum (d) None of these

29. How many shovels are left in block section for cutting chain?

(a) 2 Nos. (b) 5 Nos. (c) 4 Nos. (d) None of these

30. How many cylinders are provided for ballast opening and closing in BCM RM-80/92U

(a) 1 Nos. (b) 2 Nos. (c) 4 Nos. (d) None of these

31. Wear plate 64.08.1449 is provided on BCM RM-80/92U machine is

(a) Descending trough (b) Ascending trough (c) Dredger drum (d) None of these

32. Excavation of ballast is done in BCM RM-80/92U through

(a) Screening unit (b) Excavating unit (c) Ascending trough (d) None of these

33. Avoiding of obstacle in BCM RM-80/92U is done by

(a) Track lifting unit (b) slewing unit (c) Lifting rollers (d) None of these

34. Disposing of muck on cess is done from centre of track to a distance of –

(a) 5 mtrs. (b) 7 mtrs. (c) 4 mtrs. (d) None of these

Answer

Question no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Answer	c	b	b	c	a	b	c	b	b	b	b	a	b	a	b	a	a

Question no.	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Answer	a	a	a	b	c	a	c	b	c	a	a	b	c	b	b	d	b

Shoulder Ballast Cleaning Machine

(FRM-80)

1. What is the length over buffers of FRM-80 machine?

   (a) 40,000 mm (b) 39,470 mm (c) 40,800 mm (d) None of these

2. What is the width of FRM-80?

   (a) 3135 mm (b) 3300 mm (c) 4000 mm (d) None of these

3. What is the height of machine FRM-80 above rail top?

   (a) 4500 mm (b) 4260 mm (c) 5000 mm (d) None of these

4. What is the wheel dia. of FRM-80?

   (a) 800 mm (b) 840 mm (c) 900 mm (d) None of these

5. What is maximum axle load of FRM-80 machine?

   (a) 20 tones (b) 18.5 tones (c) 20.5 tones (d) None of these

6. FRM-80machine is used for the purpose of –screening of

   (a) Shoulder ballast (b) Crib ballast (c) Both (a) & (b) (d) None of these

7. FRM-80machine is provided with the

   (a) One excavating chain (b) Two excavating chain

   (c) Three excavating chain (d) None of these

8. Excavating cutter chain of FRM-80 machine consists of

   (a) 43 cutters/fingers in one set (b) 50 cutters/ fingers in one set

   (c) 60 cutters/fingers in one set (d) None of these

9. The mud pockets is scarified by the help of

   (a) Hopper assembly (b) Mud scarifier (c) Excavating unit (d) None of these

10. The ballast over track is cleaned in FRM-80 machine by

    (a) Screen drive assembly (b) Broom assembly

    (c) Hopper assembly (d) None of these

11. The output of FRM-80 machine is

    (a) 400 meter/effective hour (b) 450 meter/effective hour

    (c) 300 meter/effective hour (d) None of these

12. Traveling mode of FRM-80 machine is

    (a) Mechanical. (b) Hydraulic (c) ZF gear box (d) None of these

13. The working mode of FRM-80 machine is

    (a) Mechanical. (b) Hydraulic (c) Electrical (d) None of these

14. All the axles of FRM-80 machine are

(a) Mechanical drive (b) Hydraulic drive (c) Electrical drive (d) None of these

15. Back-up system of FRM-80 machine is by

(a) Generator system (b) Mechanical system

(c) Engine system (d) None of these

Answer

Question no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Answer	b	a	b	c	a	a	b	a	c	b	b	b	b	b	a

DTS / DGS Machine

1. What is the type of engine provided on DGS-62N machine?
   (a) Cummins Engine (b) Kirloskar Engine (c) Deutz Engine (d) None of these
2. What is the length of machine buffer to buffer?
   (a) 17 250 mm (b) 18000mm (c) 16000mm (d) None of these
3. What is the width of DGS-62N machine?
   (a) 2700 mm (b) 2800mm (c) 3000mm (d) None of these
4. What is the height above rail top of DGS-62N machine?
   (a) 3790 mm (b) 4000mm (c) 3000mm (d) None of these
5. What is the wheel dia. of DGS-62N machine?
   (a) 700 mm (b) 730mm (c) 600mm (d) None of these
6. DGS-62N machine is driven by the method of
   (a) Mechanical (b) Hydro dynamic (c) Electrical (d) None of these
7. The working mode of DGS-62N machine is
   (a) Mechanical (b) Hydraulic (c) Electrical (d) None of these
8. The working speed of DGS-62N machine is
   (a) 1-2 km/hr. (b) 1-4 km/hr. (c) 1-1.5 km/hr. (d) None of these
9. DGS-62N machine does the following job
   (a) Consolidation of track (b) lifting of track (c) Lining of track (d) None of these
10. How many vibration units are provided on DGS-62N machine?
    (a) One (b) Two (c) Three (d) None of these
11. Nos. of cabin provided on DGS-62N machine
    (a) One (b) Two (c) Three (d) None of these
12. Working of DGS-62N machine is done from
    (a) Front cabin (b) Rear cabin (c) both (a) & (b) (d) None of these
13. By DGS-62N, machine is subjected to
    (a) Vibration (b) Proportional loading (c) both (a) & (b) (d) None of these
14. By one passage of DGS-62N machine, load carried is
    (a) 1 million ton (b) 2 million ton (c) 3 million ton (d) None of these

15. What is the range of frequency of DTS/DGS machine?

(a) 0-20Hz (b) 0-45Hz (c) 0-10Hz (d) None of these

16. What is the range of frequency of PRC sleepers?

(a) 32-37 Hz (b) 30-35 Hz (c) 27-37 Hz (d) None of these

17. What are the modes of working of DTS/DGS machine?

(a) Constant mode (b) Settlement mode (c) Both (a) & (b) (d) None of these

18. Vibration units are run by

(a) Hydraulic Pump (b) Hydraulic Motor (c) Both (a) & (b) (d) None of these

Answer

Question no.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Answer	a	a	b	a	b	b	b	b	a	b	b	a	c	a			
Question no.	18	19	20	21	22												
Answer																	