

QUESTION BANK FOR SSE (P WAY) Rs 6500-10500 (RSRP)

I. SHORT NOTES

1. Lying of PSC, SEJ.
2. Criteria for track renewal.
3. Inspection schedule for PWI.

4. Stock verification
5. Urgency Certificate
6. Different type of passes.
7. Stock and Non-stock item difference.
8. Cash Imp rest.

9. What is maxi? Distance between two-trolley refuge in cutting and bridges as per schedule of dimension.
10. What is limit for maintenance of gauge prescribed in IRPWM for both curves and strength for BG track?
11. What is Max? Degree of curvature permitted as per schedule of dimension on BG track.
12. What is limit of vertical wear of a tongue rail on a 60 Kg. track as per IRPWM?
13. What is chord length used version is measured on a turn in curve and at station interval it is measured.
14. What is prescribed clearance between Guardrail and running rail on BG Track Bridge?
15. What is for rule for calculating the length of curve in BG track?
16. How many probes are fitted in single rail tester.
17. What is latest provision in USFD manual for imposing speed restriction in case of IMR rail
18. What is limit of td for a BG track of 60 Kg. rail sections in zone-III?

II. DESCRIBE QUESTIONS

- Q. What is procedure of distressing by using A rail write in details.
- Q. What is system of rail joint maintenance and how a joint is laid in wooden Sleeper describe in details.
- Q. What is pre cautionary measure required to taken for maintenance of LWR in Summer.
- Q. Draw a ballast profile diagram track for BG track showing different dimension for a ballast cushion of 300mm under a MBC sleeper track.
- Q. What is frequency to track recording case in different route on a BG track?
What do you understand by "CTR" value of a particular Km. explains in brief?
- Q. What is protection diagram for a dip lorry working on a BG track?
- Q. What do you under stand by TVU of a level crossing and hot it is calculated Describe in detail.
- Q. How a patrol chart is prepared for Manson patrolling.
- Q. What is the work, which requires CRS sanction before carrying out them?
- Q. What is pre temping and post temping operation required to be carried out During a Machine temping of a section.
- Q. Describe the procedure for disposal of scrap lot under a PWI from arising to final Disposal. Please explain in detail.
- Q. What do you understand by official language act and also what are different Incentives given to railway employee under this act?
- Q. Describe the "Wages period" what is different deduction permissible from wages Of a railway employee under payment of wages act.
- Q. What is procedure of imposed minor penalty. Describe various type penalty that can be imposed under minor penalty.

III. FILL IN THE BLANKS

1. The distance between two-welded joint is-----.
2. The hot weather patrolling as per IRPWM is done when rail temperature exceeds-----.
3. The SEJ on a PSC sleeper track is laid at a initial gap of-----mm.
4. The toe load prescribed for a ERC on a new track is-----.
5. The number of sleeper in a PSC track on D Spl. Route is-----.
6. The length of tongue rail is PSC layout of 52 Kg. rail sections is -----.
7. The Max. Cant deficiency permitted on a group 'A' route of BG is-----.
8. 52 Kg. rail sections the welding gap provided in SKV will be-----.
9. The checkrail clearance at L-xing is-----.
10. The Max length of LWR on a girder bridge is-----permitted for a 60 Kg. track in zone-IV.
11. The number of casual leave given to gang man is-----days.
12. The form SF-7 is issued for -----under DAR.
13. The Zonal HQ Office of SOUTH EAST CENTRAL Railway is-----.
14. As per official language Act the PUNJAB State lies in-----region.
15. The caution indication board for a temporary speed restriction should be placed-----meter before actual site of work.
16. Joining time for less than 1000 Km. distance on transfer is----- days.
17. A Gateman at 'C' class level x-ing working for 12 hrs duty is classified as----- under HOER.
18. The Price list No. (PL No.)) has-----digit.
19. The amount of TA to be paid for gang for JABALPUR stay for a days is-----
20. The target of correspondence in Hindi from region 'C' to region 'A' is-----% as per official language act.
21. The Paternally leave given to a employee for-----.
22. RE-9B is prepared for -----.
23. A Gang man is entitle for -----sets of passes on complimentary account.
24. Form-----is used to realize credit through scrap auctions.
25. There are-----number of national Holiday in a year.

IV. TRUE OR FALLS

- (a) The push trolley during the night will require traffic block.
- (b) The withholding of one Increment for period of two years with non-cumulative affects as a Major penalty.
- (c) The LHAP leave can be accumulated up to 240 days only.
- (d) Non-stock item is charged to primary unit 28.
- (e) Expenditure of track maintenance charged to demand No.3

QUESTION BANK FOR WRITTEN EXAMINATION FOR JE II (P WAY)

GR. RS. 5000-8000

I. SHORT NOTES

PART-A.

- i. Recommended throw of switch for BG track.
- ii. Min. check rail clearance opposite nose of xing in BG track turn out.
- iii. Heel divergence for 52 Kg. 1 in 12 T/out of BG track.
- iv. Width of rail foot of 60 Kg. rail.
- v. Sleepers permitted gradient in LWR as per LWR manual of 1996.
- vi. Max. vertical wear permitted on point rail or wing rail.
- vii. Height of 60 Kg. rail.
- viii. Recommended center-to-center distance in a BG track.
- ix. Max. speed on group A route.
- x. Min. clearance of checkrail of level xing.
- xi. Parameters recorded by TRC.
- xii. Works carried out in CTR area.
- xiii. Permitted GMT for 52Kg. 72 UTS rail is.
- xv. Breathing length in 60Kg rail with PSC sleepers.

II. DESCRIBE QUESTIONS

- Q. What is procedure of distressing by using A rail write in details.
- Q. What is system of rail joint maintenance and how a joint is laid in wooden Sleeper describe in details.
- Q. What is pre cautionary measure required to taken for maintenance of LWR in Summer.
- Q. Draw a ballast profile diagram track for BG track showing different dimension for a ballast cushion of 300mm under a MBC sleeper track.
- Q. What is frequency to track recording case in different route on a BG track?
- Q. What do you understand by “CTR” value of a particular Km. explains in brief?
- Q. What is protection diagram for a dip lorry working on a BG track?
- Q. What do you understand by TVU of a level crossing and how it is calculated Describe in detail.
- Q. How a patrol chart is prepared for Manson patrolling.
- Q. What is the work, which requires CRS sanction before carrying out them?
- Q. What is pre temping and post temping operation required to be carried out During a Machine temping of a section.
- Q. Describe the procedure for disposal of scrap lot under a PWI from arising to final Disposal. Please explain in detail.
- Q. What do you understand by official language act and also what are different Incentives given to railway employee under this act?
- Q. Describe the “Wages period” what is different deduction permissible from wages of a railway employee under payment of wages act.
- Q. What is procedure of imposed minor penalty. Describe various type penalty that can be imposed under minor penalty.

III. FILL IN THE BLANKS

- (a) Length of Tongue Rail for B.C. 1 in 12 Turnout c-jrve Switch is.....
- (b) Maximum distance apart of trolley refugees on bridge with main span of less than 100 mtrs. shall be metres.
- (c) The distance between two distance piece of platform line shall be metre.
- (d) The recommended depth of ballast cushion on Group 'A' route ismm on B.G.
- (e) The clearance between guard rail and running rail on bridge shall bemm.
- (f) The full form of CTR(P) is
- (g) The maximum cant on curved track on B.G. for Group 'A'¹ route shall bemm
- (h) The minimum radius of vertical curve on B.G. 'B'¹ Route shall bemetres.
- (i) The normal life of a detonator isyears.
- (j) The temperature range for distressing of LWR/CWR for 52kg & heavier rail section is
- (k) Hot weather patrolling is started when rail temperature *exceeds*
- (l) The steepest gradient permitted for making LWR/CWR is
- (m) The level crossing in LWR/CWR track shall not fall within
- (n) The initial gap in SEJ for 52kg/60kg rail section to be provided mm in LWR/CWR. (o) Regular track maintenance in LWR/CWR track to be done when rail temperature is between and

PART-B.

I. DESCRIBE QUESTIONS

- Q. How version measurements are carried out & action taken for Local adjustment of curve.
- Q. Write down 6 No DO's and DON'T for LWR.
- Q. Prepare a protection diagram me for dip lorry working in single Line and double line with short description.
- Q. Describe in short what is detonator and why it is used.
- Q. Describe in detail the operations carried out in through packing action to be taken in case of IMR rails.
- Q. Describe about buckling and its causes with remedial measures to be taken in case of buckling.
- Q. What do you understand by SWR, LWR and CWR?
- Q. What are the operations involved manual distressing of LWRs.
- Q. Make out a sketch of double line BG track for embankment.
- Q. Various inspection schedules for points and xings.
- Q. According to Official language Act India is divided in to how many zones. Describe them briefly.
- Q. Describe the procedure for manual deep screening in LWR/CWR track.
- Q. Describe the sequence of through packing of track in LWR/CWR.
- Q. Explain the various reason for buckling of track in LWR/CWR section. How the repairing of buckled track is done.
- Q. Describe the duties of Sectional JE H/JE I/SE (P Way)
- Q. Describe the DO's & DONT'S for LWR/CWR track.
- Q. Describe the pre-tamping & Post tamping attention for machine tamping of track.
- Q. List out the various types of patrolling. Explain them in brief.
- Q. Write short notes about the use of Hindi in Railways and as Official use.
- Q. Describe the inspection schedule of PWI Gr.III.

- Q. How a patrol chart is prepared for Manson patrolling.
- Q. What is the work, which requires CRS sanction before carrying out them?
- Q. What is pre temping and poshing temping operation required to be carried out During a Machine temping of a section.
- Q. Describe the procedure for disposal of scrap lot under a PWI from arising to final Disposal. Please explain in detail.
- Q. What do you understand by official language act and also what are different Incentives given to railway employee under this act?
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IV. TRUE OR FALLS

- (a) The push trolley during the night will require traffic block.
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- (e) Expenditure of track maintenance charged to demand No.3

QUESTION BANK FOR P.WAY SUPERVISOR

I. SHORT NOTES

- (i) Cold weather patrolling
- (ii) Deep Screening
- (iii) Switch expansion joint (SEJ)
- (iv) Duties of Key man
- (v) Pre-tamping/ post temping operation for CSM Working on MBC track.

II. DESCRIBE QUESTIONS

- Q.No. : Write in chronological order, different steps involved in through Packing in LWR track. Please explain in detail.
- Q.No. Write short notes on official language Act 1963?
- Q.No. Down track is obstructed by falling tree in double line Section. Draw protection diagram and explain.
- Q.No. What are the duties & responsibilities of P.Way Mistry?
- Q.No. How gauging is done in case of CST-9 plate track?
- Q.No. When buckling of track occurs? How it can be prevented. What Action should be taken when buckling has already occurred.
- Q.No. When de-stressing of LWR became necessary. Explain in detail
- Q.No. Explain how emergency repair, temporary repair and Permanent repair is done in case of rectification of rail fracture.

III. FILL IN THE BLANKS

- I. The curves are measured at-----meter station interval and with -----metre chord length.
- ii. The maximum and minimum throw of switch is----mm and-----mm respectively.
- iii. 52 Kg. tongue rail should be replaced/reconditioned when lateral wear exceeds-----mm and -----mm respectively.
- iv. Maximum permissible vertical wear on wing rail and nose of wing (On other than Rajdhani/Shatabdi routes) shall be-----mm.
- v. The ordinary/ conventional SEJ is permitted upto----0 degree curved track.
- vi. The useful life of detonator is----years on day time.
- vii. On day time, no gateman must give/exchange private number to station Master unless it is ensured that gate to road traffic is----and-----is planted A distance of 5 meters on the line.vi The maximum speed permitted is----Kmph after temporary repair of Rail fracture has been carried out.
- ix. No rail closure is required to be placed before clamping, when gap in rail fractured track is less than-----mm.
- X. The minimum permitted length of rail between two welding joint is -----Meters.
- xi. India is divided into----- (No) of rail temperature zones.
- xii. Not weather patrolman should carry----- tools/ equipments while Patrolling the track.

IV. OBJECTIVE TYPE

- i. The height of 52 Kg. rail is.....
(a) 190mm (b) 156mm (c) 116mm (d) 185mm
- ii. The checkrail clearance at level crossing is –
(a) 45-51mm (b) 51-57mm (c) 41-44mm (d) None of above.
- iii. In case of welding of 52 Kg. rail by SKV process, the gap (in mm) between rails ends are kept-
(a) 24-26 (b) 10-12 (c) 30-32 (d) 44-46,
- iv. In case of AT welding one of the following is not required:-
(a) Asbestos powder (b) Luting sand (c) Welding rod (d) Thimble.
- v. IMR rails as a result of HSFD testing should be replaced not later than –
(a) 15 days. (b) 10 days (c) 3 days (d) 20 days.
- vi. The length of curved switch in case of 1:12, 60Kg. concrete sleeper on CMS crossing (fan shaped) is:-
(a) 6500mm (b) 10125mm (c) 5500mm (d) 6000mm
- vii. Metal Liner used in 32Kg. rail on 60 Kg. MBC sleeper is:-
(a) T/3740 (b) T/3741 & 3742 (c) T/645 (d) T/3739.
- viii. For welding, the requirement of block is:-
(a) 1/2 Hour (b) 15 Minutes (c) 1 hour 15 minutes. (d) 2 hours.
- ix. The length of 52 Kg. ordinary fish plate is:-
(a) 3 ft.(915mm) (b) 2 ft.(610mm) (c) 2 1/2ft.(762mm) (d) 1 ft. (305mm)
- x. The distance between Guard rail and running rail in girder bridge is:-
(a) 100 + 50mm (b) 250 + 50mm (c) 300 +50mm (d) 200 + 50mm.

V. TRUE OR FALLS

- i. Jabalpur-Itarsi (JBP-ET) section falls under rail temperature zone No. IV (Four)
- ii. LWR/CTR competency certificate is valid for two years.
- iii. In case of rail fracture, P.Way supervisor is authorized to carry out Temporary repairs.
- iv. Lifting of LWR track with MBC sleeper can be done up to a maximum of 90 mm in one stage.
- v. S.E.J. is provided with six (6) Nos. of special PSC (Concrete) sleepers.
- vi. Regular track maintenance such as packing, lifting, aligning etc.
- vii. Hot Weather patrolling should be introduced when the rail temperature exceeds $+ 10$ C.

QUESTION BANK SSE (Works) Grade Rs 6500-10500 (RSRP)
PAPER I

I. SHORT NOTES

1. Engineering Stores.
2. Principles of natural justice.
3. Cannons of financial property.
4. Different types of minor penalties.
5. Disciplinary proceedings on an employee after his retirement.
6. Classification of employees as per HOER.
7. Out of turn works.
8. Procedure for the acquisition of land.
9. Final modification to budget estimate.
10. Dead stock register.
11. Procedure for licensing of Railway land for oil companies.
12. Code of conduct.
13. DS-8 Note.
14. M&P Programme.
15. Trade Test.
16. DCRG.
17. Liability Register.
18. Urgency Certificate
19. Deposit Works
20. Schedule of rates.
21. Material at site Account
22. Stock Verification
23. Workmen's Compensation Act.
24. S.B.F.
25. M.A.S.
26. Specification for first class bricks.
27. Slump test.
28. Trolley permits.
29. Payment of Wages Act.
30. Specification for 12 mm thick cement plaster 1: 6
31. Specification for laying of 30 cm (12" dia) SW sewer pipe.
32. Specification for laying of IPS flooring 40mm thick
33. Specification for painting of woodwork.
34. Flood gauging at important bridge.
35. Imprest stores.
36. Pre-stressed concrete.
37. Method of measurement for painting of door and window frames and shutters.
38. Corrosion in RCC structures.
39. Water proofing of roofs
40. Concrete admixtures.

41. Leave Not due.
42. LAP Earned Leave
43. Proceeding for imposing minor penalties.
44. Provision of Official Language Act.
45. Verification of stock by stock verifiers of Accounts Deptt.
46. Final modification to budget estimate.
47. Out of turn work
48. Canons of financial propriety
49. Dead stock register
50. Procedure for licensing of Railway land for oil companies.
51. Code of conduct
52. DS 8 note
53. M & P Progremme
54. Trade test
55. DCRG.
56. Liability register
57. Urgency Certificate
58. Deposit works
59. Schedule of rates.
60. Material at site Account.
61. Stock verification.
62. First Class bricks.
63. Stone masonry – coarse rubble, first sort.
64. Cement concrete in foundation.
65. Flooring with cement tiles.
66. Works programme.
67. Service Cards of Casual labour.
68. Trade Test
69. Workmen's Compensation Act.
70. S.B.F.
71. M.A.S.
72. Provisions of Official language Act.
73. Priestesses concrete.
74. Verification of stock by Stock Verifiers of Accounts Deptt.
75. Nominal mix concrete (ord. Concrete) and controlled concrete,
76. Slump test
77. Material at site returns.
78. Trolley permits.
79. Specifications for 12mm thick cement plaster 1:6.
80. Specifications for laying of 30 cm
81. (12" dia) SW sewer pipe.
82. Specifications for laying of IPS flooring 40mm thick.
83. Specification for painting of wood work.
84. Flood gauging at important bridge sites.
85. Imp rest Stores.
86. Prestreased concrete.

87. Method of measurement for painting of door and window frames & shutters.
88. Method of measurement for measurement of RCC slabs and beams, beams & Columns, columns and footings.
89. Major and minor penalty.
90. General charges in estimates. b) Deposit work. c) Corrosion in RCC structures.
91. Water proofing of roofs. E) Concrete admixtures.
- 92.

II. DESCRIBE QUESTIONS

1. Draw a sketch of stone masonry arch bridge. Show its important features and posts.
2. What are different types of joints used in pipe line? Explain with sketches.
3. What are the different types of bridges? Explain in brief.
4. What are different type of Engineering surveys? Explain in brief.
5. What are the duties of SE(Wks). Explain in brief?
6. What is the procedure for imposing major penalty?
7. What are different type of Engineering Estimates? Explain in brief.
8. What is meant by imprest stores. Give examples?
9. What do you understand by Directed Maintenance of quarter. Explain in brief?
10. What are the type of estimates?
11. What is urgency certificate?
12. What precaution you will take while (any two)
 - a) constructing of brick masonry wall.
 - b) supervising mass concreting work.
 - c) accepting supply of teak wood.
 - d) supervising construction of IRS Shed.
13. What is the necessity of having a schedule of dimension? What do you understand by “Recommended Dimension”?
14. Write the following dimensions as specified in Schedule of Dimension
 1. In 25 KV AC traction areas, minimum height above rail level for heavy overhead structures such as road over bridges.
 2. Maximum horizontal distance from center of track to face of passenger platform coping.
 3. Minimum horizontal distance of any building on a passenger platform from center line of track from 305 mm above platform level to 3430mm above rail level.
 4. Maximum distance apart of trolley refugees in tunnels.
 5. Minimum height above rail level for goods platform (except horse and end loading platforms).
 6. Slope of the ramp at end of passenger platforms.
 7. Minimum horizontal distance from center of track to any structure in yard from rail level to 305 mm above rail level.
 8. Minimum height above rail level for a width of 1600mm on either side of center of track of tie rods or any continuous covering in a passenger station.
 9. Minimum distance between center to center of track.
 10. Height of above rail level for high passenger platform.
 11. Minimum horizontal distance from center of track to any structures at height of 3ft 6 inches to 11ft.
 12. Maximum gradient in station, yards unless special safety devices are adopted/special rules are followed to prevent accidents.

- Q. Draw the sketches of the following
- Reinforcement arrangement in column footing.
 - CHAJJA
 - Reinforcement arrangement in box culvert
 - English & Flemish bond in Brick masonry.
 - Plan of modified RB-I quarter.
 - Pile foundation double reamed.
- Q. What precaution should be observed in respect of materials and workmanship to get quality concrete?
- Q. Explain the procedure for inspection of bridges. State one important item to be checked in case of hume pipe culverts, RCC slab culverts and Arch bridges.
- Q. Write the procedure of granting compensation under Workman Compensation Act.
- Q. Describe various stages of budget.
- Q. Describe various types of estimates prepared in the Railways. Also explain purpose of each type of estimate.
- Q. Please give salient features of present policy of Central Government on Raj Bhasha (Hindi). Also indicate the policy for writing name, boards on stations.
- Q. Write 2 pages on measures that you will suggest for increasing the use of Raj Bhasha (Hindi) in your IOW's office in Railways.
- Q. Give salient features of Official Languages Act.
- Q. Describe briefly the rule governing use of the Hindi as laid down in the Official Languages Act application to the State where you are posted.
- Q. What is the importance of general and subsidiary rules? What is the main difference between the two?
- Q. What are the different types of survey equipments and their function?
- Q. What are different types of joints used in pipe line. Explain with sketches.-
- Q. The grade of concrete M 250 means that compressive strength of a 15cm cube after 28 days is 250 Km/cm?
- Q. Write the procedure of grouting compensation under workman compensation act.
- Q. What is meant by imp rest stores Give example.

- Q. Describe various stages of budget.
- Q. (i) Give salient features of Official languages Act.
(ii) What steps do you propose for increasing use of Hindi in IOWs Offices?
- Q. What is the importance of general and subsidiary rules? What is the main Differences between the two?

Give salient features of any two of the following-

- (i) Payment of Wages Act.
- (ii) Hours of employment regulations.
- (iii) Workmen's Compensation Act.

- Q. Write the following dimensions as specified in schedule of Dimension.
- (i) In 25 KV AC traction areas, minimum height above rail level for heavy Overhead Structures such as road over bridges.
 - (ii) Maximum horizontal distance from center of track to face of passenger Platform Coping.
 - (iii) Minimum horizontal distance of any building on a passenger platform from Centerline of track from 305mm above platform level to 3430mm above rail level.
 - (iv) Maximum distance apart of trolley refuges in tunnels.
 - (v) Minimum horizontal distance from center line of track to a pillar, column, lamp or similar isolated structure on a goods platform from platform level to 305mm above platform level.
 - (vi) Maximum height above rail level for low passenger platforms.
 - (vii) Maximum height above rail level for goods platform (except horse and end loading platforms)
 - (viii) Slope of the ramp at end of passenger platforms.
 - (ix) Minimum horizontal distance from center of track to any structure in yard from rail level to 305mm above rail level.
 - (x) Minimum height above rail level for a width of 1600mm on either side of track of tie rods or any continuous covering in a passenger station.

- Q.: (a) Write the correct answer from the alternatives given for each sub-question.
- (i) No. Of bags required per cubic meter of 1:3:6 concrete is:
 - (a) 4.5
 - (b) 5.7
 - (c) 6.5
 - (d) 8
 - (ii) Minimum height of FOB above rail level is:
 - (a) 6100 mm
 - (b) 6250 mm
 - (c) 5730 mm
 - (d) None of these.

Q. Write specification for any three of the following -

- (i) Earth work
- (ii) Water Bound Macadam
- (iii) Pointing
- (iv) Glazed tile flooring.

Q a) What is necessary of having a Schedule of Dimensions?

What do you understand by 'Recommended Dimensions'?

b). Indicate B.G. schedule of dimensions for the following

- (i) Minimum distance between center to center of track.
- (ii) Height above rail level for high passenger platform.
- (iii) Minimum horizontal distance from center of track to any structure at a height 3 ft. 6 inches to 11 ft.
- (iv) Maximum gradient in station, yards unless special safety devices are adopted/special rules are followed to prevent accidents.
- (v) Maximum height above rail level for Goods platform.
- (vi) Minimum horizontal distance of any building on a passenger platform from Centerline of track from platform level to 1 foot above platform level.
- (vii) Horizontal distance from center to the face of passenger platform coping.
- (viii) Maximum

Q Describe briefly the salient features of -

- (a) Payment of wages Act.
- (b) Hours of Employment Regulations.

III. FILL IN THE BLANKS

1. Pune is classified in class _____ for the purpose of calculating CCA.
2. Central Railway has _____ divisions.
3. _____% of total vacancies are reserved for handicapped persons.
4. A railway employee is entitled to get _____ days of Casual Leave per year.
5. Staff amenities are chargeable demand No. _____.
6. GM is empowered to create gazetted workcharged posts upto _____ grade level.
7. A male employee with less than _____ surviving children can only avail paternity leave.
8. _____% money value of posts surrendered at Divisional level shall be credited to Headquarter vacancy bank.
9. Repairs and maintenance of station building is chargeable to Demand No. _____.
10. Indian Railways are divided in _____ zones.
11. _____ is the headquartered of Western Railway.
12. Shri _____ is the President of India.
13. Every Railway employee is entitled for _____ days full pay leave in a year.
14. In case of _____ land there is no danger of accrual of occupancy rights.
15. The _____ estimate is prepared to obtain administrative approval to the proposal.
16. According to hours of employment regulation, the pump driver is classified as _____.
17. Seniority of casual labour is maintained _____ wise in open line.
18. Publication under section _____ of land acquisition act is required before entering into private land for survey.
19. The height of a column of water equivalent to atmospheric pressure is _____ ft.
20. The radius of a transition curve to a circular curve of a radius "R" is _____ at the commencement of the curve.
21. The ratio of tensile stress and _____ is known as modulus of elasticity.
22. The maximum bending moment due to uniformly distributed load (w) on simply supported beam of length 'L' is given by _____.
23. The minimum horizontal dimension from center of track to the nearest isolated column on platform at platform level is _____.
24. No. of bags required per cubic meter for 1:3:6 concrete is _____.
25. The characteristic strength of concrete is to be determined by testing the cubes _____.
26. First class Bricks should not absorb more than _____% of water of its own dry weight.
27. The standard dimension of first class bricks is _____.
28. While doing Engineering surveys, benchmarks are fixed at _____ intervals.
29. The grade of sewer line are generally designed to cover for _____.
30. The scale adopted for land plan is _____.
31. For course rubble masonry IInd sort, the visible Joint shall not be more than _____ M.

Fill in the blanks

- (a) Repairs and maintenance of station building is chargeable to Demand No.
- (b) Indian Railways are divided in-----zones.
- (c) -----is the headquarter of Western Railway
- (d) Shri-----is the President of India.
- (e) Every Railway employee is entitled for-----days full pay leave in a year.,

5. Choose the correct answer

- 1. In case of licensing of land there is no danger of accorded occupancy rights
(Leasing/ Licensing)
- 2. In cement concrete the lower the water cement ratio, the-----is the strength of Max.
(greater/lesser).
- 3. The---- estimate is prepared to obtain administrative approval on the proposal.
(Abstract/construction/project).
- 4. According to hours of employment regulation, the pump driver is classified as-----
(Excluded/continuous/intensive).
- 5. Seniority of casual labour is maintained-----wise in open line (IOW/AEN/DEN)
- 6. Publication under section----- of land acquisition act is required before entering
into Private land for survey (8/ 4/ 16)
- 7. In case of fatal accidents, the compensation-----pay _____ of the fact that
Workmen was under _____ at the time of accident (is/ is not).
- 8. The height of a column of water equivalent to atmospheric pressure is---
ft.(44,34,24)
- 9. The radius of a transition curve to a circular curve of a radius 'R' is----at the
Commencement of the curve. (R/ infinite/ 1000 meters.)
- 10. The ratio of tensile stress and -----is known as modulus of elasticity.(Tensile
Strain/compressive strain/volumetric strain)
- 11. The maximum bending moment due to uniformly distributed load (w) on simply
Supported beam of length 'L' is given by----- ($W L^2/8$, $WL/4$, $WL/2$)

IV. TRUE OR FALLS

1. The maximum horizontal distance from Center of track to the face goods platform copying is 1670mm.
2. The ends of all platforms (except end loading platforms) must be ramped to a slope of 1 in 6.
3. The recommended maximum gradient in station yards is 1 in 1000.
4. Stock items cannot be purchased by DCOS.
5. Tri-axial test is used to test the permeability of soil.
6. Steel is good in taking tension.
7. Pile foundation is good in black cotton soil.
8. Workability of concrete can be increased by adding admixtures to it.
9. Minimum M15 grade of concreting should be used for concreting under water.
10. IS-800 is the IS Code for concrete works.
11. Post retirement, Gazetted Officer with more than 20 years of service, are eligible for 3 sets of passes per year.
12. Indian Railway is the second largest network in the world.
13. In mutual transfers, the juniors of the two employees retains his own seniority.
14. An employee availing joining time on promotion, shall draw salary equal to what he drew before relinquishing the post.
15. Employees of 'A' class cities having basic pay of Rs. 6000/- will get Rs. 240/- as city allowance.
16. Employee is entitled to get traveling allowance in favour of self, wife and children on account of transfer.
17. DRM can recruit casual labours when needed.
18. OS-II is competent to suspend a Jr. Clerk.
19. DRM is competent authority to accept single tender upto Rs. 25.00 lacs.
20. The maximum age limit for appointment of class-IV employee belonging to General Community is 25 years.
21. There are 10 Railway Zones in the Country.

22. The standard form to be issued for suspension is SF-1
23. A railway servant who has completed 22 years of service may be granted final withdrawal from PF.
24. Pension scheme was introduced on the Indian Railway on 11th Sept.1971.
25. Service of Gr. IOW-III can be terminated under orders of DRM.
26. A labour inspector is required to check the establishment of IOW Workshop once in 6 months.
27. Erection of steel girders across railway track main line for carrying water pipe lines does not require CRS's sanction.
28. Recruitment of new face on railway as Casual Labours requires the sanction of General Manager.
29. Scrap materials in IOW's workshop can be sold by auction by the AEN.
30. Banks of height more than 6 meters must be completed by machines.
31. Detailed estimate is not required to be prepared for a work costing Rs. 10 lacs.
32. No colour washing should be done to the outside of the structures built in covered/uncovered stone masonry.
33. According to the extant practice all curves are to be provided with transitioned curves.
34. A railway bridge of span $3/20^M + 1/15^M$ is classified as minor bridge.
35. Water is acidic if PH value is less than 7.
36. The water is known as hard water if the consumption of soap is excessive.
37. The strength of cement increases with period of storage of cement.
38. An RCC column is treated as long column, if its slenderness ratio is more than 30.
39. An RCC column is treated as short column, if its slenderness ratio is less than 50.
40. The diameter of main bars in RCC column shall not be less than 10mm.
41. If the diameter of longitudinal bars of a square column is 16mm, the diameter of lateral bars should not be less than 8mm.
42. Slump test of concrete is a measure of its tensile strength.

2. Say true or false:

- (a) Employees of 'A' Class cities having basic pay Rs. 6000/- will get Rs. 240/- as city Allowance.
- (b) Employee is entitled to get traveling allowance in favour of self, wife and children on Account of transfer.
- (c) DRM can recruit casual labours when needed.
- (d) OS-II is competent to suspend a Jr. clerk.
- (e) DRM is competent authority to accept single tender up to Rs. 25,00 lacs.
- (f) The maximum age limit of appointment of class-IV employee belonging to General Community is 25 years.
- (g) There are 10 Railway Zones in the country.
- (h) The standard form to be issued for suspension is SF-1
- (i) A Railway Servant who has completed 22 years of service may be granted final withdrawal from PF.
- (j) Pension scheme was introduced on the Indian Railways on 11th Sept. 1971.

Q Select the correct answer out of the choice against each:

- (i) The minimum horizontal dimension from center to track to the nearest isolated Column on passenger platform at platform level is-
a) 4200mm b) 4110mm c) 4720mm
- (ii) The minimum height above rail level for a FOB is -
a) 6100mm b) 6250mm c) 5730mm.
- (iii) No. of bags required per cubic meter for 1:3:6 concrete is-
a) 4.5 bags b) 5.7 bags c) 6.5 bags d) 8 bags.
- (iv) The characteristic strength of concrete is to be determined by testing the cubes -
a) after 6 days b) after 7 days c) after 14 days d) after 28 days.

- Q. a) Describe briefly the rule governing use of as laid down in the official language Act. Application to the State where you are posted.
- b) Describe the procedure to be followed in important a major penalty on a class-IV employee.
8. State TRUE or FALSE.
- a) Payment of casual lab our/ M.R. Service must be carried out within 72 Hrs. after termination service.
- b) Services of IOW Gr. III can be terminated under orders of DRM.
- c) A labour Inspector is required to check the establishment of IOW Workshop once in 6 months.
- d) Erection of steel Girders across railway track main line for carrying water pipe lines does not require CRS's sanction.
- e) Recruitment of new face on railways as Casual Labours requires the sanction of General Manager.
- f) Scrap materials in IOWs workshop can be sold by suction by the AEN.
- g) Bank of height more than 6 meters must be compacted by machines made for voids while measuring stocks of boulders.
- h) Detailed estimate is not required to be prepared for a work costing Rs. 10 Lakhs.
- i) power to sanction excess over estimates up to 50% of original estimated cost of a work.

V . DIFFERENTIATE BETWEEN TWO

- Q.** Stretcher and header
- Q. Queen closer and king closer.
- Q. Damp proofing and water proofing.
- Q. Hot bitumen and mastic asphalt.
- Q. Corrosion and rusting.
- Q . a) English bond and Flemish bond.
 b) Simple piles and under- reamed piles.
 c) Open foundation and raft foundation.
 d) Filtration and chlorination.

VI. TRANSLATION

Q. Translate in English-

(a)

1. स्वीकृत :
2. अनुमोदित:

(b) Translate in Hindi

1. Call explanation:
2. Allowance:
3. Transfer:
4. Joining Time:
5. Honorarium:

(a) Translate it in Hindi

- (i) Explain delay
- (ii) Ex-parte
- (iii) Ex-Post facto
- (iv) Ex-gratia

(b) Translate it in /English

- (a) उत्तर की प्रतीक्षा करें
- (b) यथा प्रस्तावित
- (c) जबाब तलब किया जाय
- (d) मामले की समीक्षा की

QUESTION BANK for SE (Drawing) Grade Rs 6500-10500 (RSRP)
PAPER I

I. SHORT NOTES

1. Grade Compensation on Curve
2. Fan Shaped Turnouts
3. Draw Ballast Profile for Single Line BG LWR Track
4. Types of Masonry and brief description
5. Design mix concrete
6. Residual Chlorine
7. Raft Foundation
8. Major and Minor Penalty
9. PWPandFWP
10. Types of Survey
11. G&SR
12. PNM
13. Types of Leave
14. Grade compensation on curve?.
15. Self-clean sing velocity.
16. Temporary & permanent diversions.
17. Active & passive earth piessures.
18. €ar»t deficiency <E cant -excess,
19. Types of Gradients.
20. General & subsidiary rules.
21. Standard schedule of dimensions.
22. Types of estimates.
23. MS and NS items.
24. CE's circulars

II. DESCRIBE QUESTIONS

- Q. Design a circular column to carry an axial load of 1000 kN using helical reinforcement. Use M20 Concrete and FE415 grade steel is a Live load of 15 kN/m.
- Q. Design the beam using M20 concrete and HYSD bars of grade FE415. Keep width equal to half the effective depth. Assume unit weight of concrete as 24 kN/m .
- Q. Draw a neat sketch of Right Hand 1 in 12 turnout for BG track and indicate all the components very clearly.
- Q. Draw layout
- i) Symmetrical Split
 - ii) Diamond Crossing with Single Slip
 - iii) Scissor Cross over
 - iv) Ladder Tracks or Gathering Tracks
 - v) Temporary Diversion
 - vi) Triangle
- Q. What are the various stages of water purification and treatment system? Give brief description of each of the item and diagrams.
- Q. What are the various sewerage systems? Make comparison also.
- Q. What are the components of typical sewerage system for residential buildings?
- Q. Determine the maximum permissible speed and desirable length of transition for the curve of 875 m radius on BG track where cant is to be restricted to 75 mm and the value of cant deficiency is also 75 mm.
- Q. What is the necessity of having Schedule of Dimension
- Q. What are the various classes of ODC? Give brief description
- Q. Give in detail the rate analysis of one cubic meter of cement concrete 1:2:4 in foundations.
- Q. As per Indian Standard Specifications, what are the acceptance tests for bricks?
- Q. What are the revised criteria for manning of level crossing gates and what are the revised criteria for interlocking of level crossing gates?
- Q. Draw a neat sketch of standard Speed Breaker to be provided on both the road approaches of Level Crossing gates as per IRPWM.
- Q. Draw neat sketch of W/L boards to be provided on track approaches for Level Crossing gates
- Q. What are the various types of track machines in use in Indian Railways? Give brief description of each of them.
- Q. Quality Management.

- Q. Draw a neat sketch of left hand I in 12 turnout for BG track .
Two parallel straight BG tracks at 5.3m distance, are to be connected by a X-over using 1/8.5 turnouts. Calculate the required detail?? and show on a neat sketch.
- Q. Design a RCC column and its footing for an *axle* load of 100 T. The bearing capacity of the soil is 10 T per square metre. Assume suitable data.
- Or
- Design a welded *plate* girder for 18 M and carrying a live load of 5 T per metre. The welding connections and stiffeners also. Assume suitable data.
- Q. Design the dimensions of a septic tank for a small colony of 200 persons. Daily consumption of water is 150liters per person. Assume any data, if required. The details to be shown in the sketch.
- Q. What are different systems of water distribution and what are the requirements of a good distribution system?
- Q. On BG track a curve of 875m radius is located on a Rajdhani route where the maximum permissible speed is 130kmph. Find out the maximum permissible speed, cant, desirable and minimum length of transition for maximum permissible speed, assuming the speed of goods train as 65 kmph

III. FILL IN THE BLANKS

- i) Maximum permissible wear on nose of crossing, wing rail _____
- ii) Frequency of inspection of Points & Crossings on running lines by PWI _____
- iii) SEJs are to be inspected by PWI once in __ months, AEN once in __ months
- iv) In Deficiency of ballast on LWR track during summer may result in _____
- v) The clear distance between bridge timbers at joints should not exceed _____ mm both B.G and M.G.
- vi) The recommended cant deficiency/cant gradient is _____ mm/sec
- vii) Gauge is measured _____ mm below rail table
- viii) What is formation slope? 1 in _____
- ix) A gateman should have certificate of fitness of Class _ from Medical Department
- x) Frequency of inspection of a curve by various officials:
PWI / AEN
- xi) The recommended depth of ballast cushion ? « a B.G. group 'A'
- xii) Formation width for concrete sleeper track for BG for single section in cutting is _____TM _____
- xiii) For fully transmitted curve. max, permissible speed (Vm) will be calculated by $V_m =$ _____
- xiv) The degree of curvature for a curve of radius of approx. 875 m is _____
- xv) The min. radius of vertical curve for BG track on group B route should be _____ metre
- xvi) Height of 60 kg rails section _____
- xvii) Minimum distance of gauge lodge from center of track is _____
- xviii) Frequency of track recording car in a Group "A" suit is once in _____ months.
- xix) Min clear cover t:-> reinforcement in a RCC column is _____
- xx) A **gangmen** is entitled to _____ days casual leave in a year.
- xxi) Reduction to tower stage of pay for **two** years, without cumulative
- xxii) **effect** is a _____-penalty.
- xxiii) **Form** _____ is used for **revoking** suspension of an employee
- xxiv) LAP can be accumulated to maximum _____ days.
- xxv) There are _____ **nos. of National** holidays in a year..
- xxvi) Rate of TA for a gangmen coming to **Jabalpur on** duty from a way
- xxvii) side stations is Rs. _____ **per day**.
- xxviii) The **amount of compensation** where death results from the **injury is**
- xxix) **equal to** _____ % of **the** monthly wages multiplied by the
- xxx) **relevant factor**.
- xxxi) **Penalty** of loss of duty card pass 2nd class is Rs. _____
- xxxii) A work of remodeling of yard is sanctioned under plan head _____

- xxxiii) Notice period for **an** open tender is _____
- xxxiv) Expenditure for .recouping ballast due to overhauling of track is charged to **demand no.**_____.
- xxxv) Work of **construction** of cover over platform is charged to _____ **fund.**
- xxxvi) **Procurement of stock** items is charged to primary unit _____
- xxxvii) **Rate of contribution to provident fund is** _____ **% of the pay.**
- xxxviii) **For termination** of a contract at risk and cost, 7 days notice is served in terms of clause _____ of GCC.
1. The maximum gradient in station yards should be _____ unless special safety devices are adopted and/or special rules enforced
 2. The recommended minimum distance centre to centre of track is _____m, for E.G.
 3. For B.G, the minimum radius of curves should be _____m
 4. Check rails should normally be provided where the radius is _____m or less in B.G
 5. The maximum and minimum horizontal distances from centre of track to face of passenger platform coping for B.G. are _____ mm & _____ mm respectively
 6. Maximum and minimum heights above rail level for B.G. high level passenger platforms are _____ mm & _____ mm.
 7. The maximum height above rail level for B.G. goods platforms is _____ mm
 8. In tunnels, through and semi-through girder bridges, the minimum distance centre to centre of tracks for B.G. shall be _____ m and in station yards _____m.
 9. In B.G., minimum and maximum clearances of check rails at level crossing are _____ mm and _____mm respectively,
 10. Minimum depth of space for wheel flange from rail level in B.G. is _____

IV. TRUE OR FALLS

- i) Sleepers from a fan-shaped lay-out are shifted from a right hand turn-out to left hand one. For this purpose:
- right end of the sleepers should remain on right side
 - right end of the sleepers should be brought towards the left side by rotating the sleepers
 - sleepers in the switch should remain as it is but those in the lead should be rotated to bring the right end to the left side
- ii) Total no. of approach sleepers in case of a PSC Fan shaped layout is:
(a) 15 (b)16 (c)17 (d) 18
- iii) The Destressing temperature for a 52 kg rail is:
(a) t_m to $t_m - 5$ (b) t_m to $t_m + 5$ (c) $t_m + 5$ to $t_m + 10$ (d) $t_m + 10$ to $t_m + 15$.
- iv) As per LWR manual, hot weather patrolman have a beat of:
(a) 2 km on single line track (b) 1 km of a single line track
(c) 2 km on a double line track (d) none of the above
- v) In the eight digit code given in the rating system the first digit is called:
(a) URN (b)ORN (c)NRS (d) CRN
- vi) In case of box culverts, the danger level:
(a) is at 150 mm below the bottom of slab (b) is at 300 mm below the bottom of slab
(c) is at the bottom of the slab (d) depend on the span and site conditions
- vii) Lubrication of ERCs shall be done in corrosion prone areas:
(a) Every 3 months (b)Every year (c) Once in 2 years (d) Once in 4 years
- viii) The term "curve compensation" indicates:
(a) Easing out gradient depending upon curvature
(b) Easing out curvature depending upon gradient
(c) Either of the above (d) Neither of the above
- ix) The maximum curvature permitted for laying an LWR is:
(a) 4° (b) 3° (c) 2° (d) 1°
- x) The standard play on E.G. is
(a) 25 mm (b) 20 mm (c) 19 mm (d) 15 mm
1. The radius of 5" curve in metre will be -
(a) 500m (b) 8"5 m (c) 350m (d) None of the above.
2. Cement required for 1 cubic metre of concrete of 1:2:4 will be
(a) 6,5 Bags (b) 10 b«g? (c) 12 bags (d) 8 bags
3. The concrete cube a attains full strength after
(a) / days (b) ;{8 days- (c) 14 days (d) 19 days.

4. The measurement of D.P.C. is done in
 (a) Linear metre (b) Square metre
 (c) cubic metre (d) weight.
5. The minimum recommended cushion for concrete sleepers trade --
 (a) 200 mm (b) 250mm (c) 300mm (d) 400mm
6. What is the slope provided in formation of track for drainages
 (a) 1 in 20 (b) 1 in 40 (c) 1 in 60 (d) 1 in 80.
7. The minimum radius of the curve permitted on BG line is —
 (a) 200 in (b) 175 in (c) 150m (d) 160m.
8. What is per capita water requirement" where flushing system is provided —
 (a) 150 lit/day (b) 180 lit/day (c) 209 lit/day
 (d) 270 lit/day
9. An uniformly distributed load of W per metre action on a simply supported beam will create a maximum B.M. of—
 (a) wL^2 (b) $wL^2/8$ (c) $wL^2/2$ (d) $wL/8$
10. Maximum gradient permissible in station yard -
 (a) 1 in 200 (b) 1 in 300 (c) 1 in 400 (d) 1 in 1000

QUESTION BANK for the post of Chief O.S. (N.P.) Gr. Rs. 7450-11500 (RSRP)

I. SHORT NOTES

1. Draft para
2. Preliminary works programme.
3. Stock/non-stock items and P.A.C.
4. Dismissal and removal.
5. Rule 14/2 of DAR.
6. Major works programme
7. Divisional works programme
8. Demands of grant.
9. Pink Book
10. Cannons of financial propriety.
11. Type of tenders.
12. Revenue works and sanctioned works.
13. Permanent, temporary and work-charged posts.
14. Cash Imprest.
15. Stock and non-stock items
16. Maternity leave.
17. Deposit work
18. Minor penalties
19. PNM.
20. Completion report.
21. PWP

II. DESCRIBE QUESTIONS

- Q. राजभाषा अधिनियम क्या है? यदि डी.आर.एम. जबलपुर डी.आर.एम. चैन्नई को अर्ध शासकीय पत्र लिखना है तो किन चीजों का ध्यान रखेगा
- Q. What is the procedure for enhancement of the cash imprest of an ADEN.
- Q. What is the August Review? What are the details given in the review?
- Q. What are different scheme of encourage under official language Act of 1976.
- Q. Write the category of these states as per official language Act.
- a. Punhjab
 - b. Tamilnadu
 - c. Uttar Pradesh
 - d. Maharashtra
 - e. West Bengal
- Q. Write down procedure for imposing a major penalty under DAR
- Q. What are different type of estimate, write in detail
- Q. Write down detail under procedure for preparation of Pay sheet of Gang man in details.
- Q. What are different stage of Budget and its review?
- Q. Describe in brief the procedure for inclusion of works in Works Programme. What are the various stages?
- Q. What do you understand by supplementary estimates?
- Q. : Write down procedure for imposition of minor penalties.
- Q. Briefly describe the Raj-bhasa policy of Government of India.
- Q. Write various steps involved in finalization of a contract costing Rs. 25 lacs.
- Q. Describe various stages involved in creation of new post (Non gazette) work Charged.
- Q. Enumerate various standard forms used in DAR and write down use of any four of them?
- Q. Write down name of different kind of Estimates and explain in brief.
- Q. Write detail under procedure preparation of pay sheet of gang man.

- Q. Under what circumstances an employee is deemed to be under suspension? How much subsistence an employee gets during suspension?
- Q. What type of different leaves, which can be availed by a railway servant?
- Q. Write down name of different kind of Tender and explain in brief.
- Q. What are different stage of budget and its review?
- Q. What type of different passes, which can be availed by a railway servant?

III. FILL IN THE BLANKS

- i. Financial cut off line between major work and divisional works programme is Rs..... Lacs.
- ii. Contractors registered under cat. B can be awarded works up to Rs...lacs through limited tenders.
- iii. The rulebook dealing with safety in train operation is called...
- iv. In case of open tenders, minimum notice period is.....days.
- v. SF-1 is served on an employee for.....
- vi. Full form of HOER is
- vii. PNM stands for....
- viii. Period of maternity leave isdays.
- ix. Preparation of estimates is not necessary for works up to Rs.....
- x. H.Q. of NCR is at.....
- xi. A gang man is entitles to.....days casual leave in a year.
- xii. Form..... is used for revoking suspension of an employee.
- xiii. Shri.....is GM West central Railway.
- xiv. Notice period for an open tender is-----
- xv. Mumbai is a Zonal head quarter of-----& Railway.
- xvi. Senior scale officer of executive department can be a convener of tender committee upto Rs.....
- xvii. Standard form No.....is used for nomination of enquiry officer in any DAR case.
- xviii. The ADEN has to carry out the test check of.....for measurement of ballast supply.
- xix. The demand No.4 is meant of expenditure pertains to.....
- xx. Duty hours of a workers in continuous category in a week is.....
- xxi. The plan head chargeable for bridge rehabilitation is.....
- xxii. For termination of a contract at risk and cost, 7 days notice is served in terms of clause.....of GCC.
- xxiii. There are.....nos. of National holidays in a year.
- xxiv. LAP can be accumulated to maximum.....days.
- xxv. Rate of contribution to provident fund is.....% of the pay.

IV. WRITE FULL FORMS

- (a) RITES
- (b) RDSO
- (c) SCOS
- (d) CTR
- (e) PNM

VI. TRUE OR FALLS

- i. Earnest money is acceptable in the form of bank guarantee
 - ii. Plan head 32 under D.No. 16 is for track renewal works
 - iii. As per latest guidelines plot rent is to be revised every five years.
 - iv. SS-11 is used for realization of credit of released scrap materials
 - v. An employee removed from railway service can be re-employed in a Govt. Service
 - vi. Any change in SOPGEN requires Board's approval.
 - vii. The work cannot be started under urgency certificate unless detailed estimates are sanctioned.
 - viii. Maximum number of days LAP can be accumulated is 180 days.
 - ix. Madhya Pradesh false under D क गुप under राजभाषा अधिनियम
 - x. Gang man of Engineering gates fall under 'continuous' category of HOER.
-
- i. Joining time for less then 1000 Kms.
 - (a) 12 days (b) 10 days (c) 15 days (d) 9 days,
 - ii. A material train can be taken in the section in absence of guard by
 - (a) P.Way miastry (b) P.W.I. (c) T.I. (d) Non of these.
 - iii. Revised estimate is to be prepared when the expenditure is in excess of Original estimate by.
 - (a) 5% (b) 10% (c) 25% (d) any value.
 - iv. For direct recruitment of class III staff of regional basis, the reservation of SC Candidate is
 - (a) 7 1/2% (b) 12% (c) 15% (d) 14%
 - v. A window mother is considered as a depended under pass rule whose Monitory income is below.
 - (a) Rs. 250/- (b) Rs. 500/- (c) Rs. 750/- (d) Rs. 1000/-
 - vi. The children irrespective of sex will be eligible for family pension up to age of (Excepting those suffering from disorder or disability of mind).
 - (a) 18 years (b) 21 years (c) 25 years (d) life time.
 - vii. Liability register is maintained for watching.
 - (a) Disposal of scrap material.
 - (b) Receipt of new material against out standing requisitions.
 - (c) Payment of wages of staff.
 - (d) None of these.

QUESTION BANK FOR SELECTION OF OS-II (Engg) Gr.Rs. 5500-9000 (RSRP)

I. SHORT NOTES

1. Draft para
2. Maternity leave.
3. Deposit work
4. Minor penalties
5. PNM.
6. Completion report.
7. VI. PWP
8. Preliminary works programme.
9. Stock/non-stock items and P.A.C.
10. Dismissal and removal.
11. Rule 14/2 of DAR.
12. Major works programme
13. Divisional works programme
14. Demands of grant.
15. Pink Book
16. Canons of financial propriety.
17. Type of tenders.
18. Revenue works and sanctioned works.
19. Permanent, temporary and work-charged posts.
20. Cash Imprest.
21. Stock and non-stock items
22. August review and budget estimates.
23. Audit paras.
24. Works Programme
25. Checks exercised on contractor's bill.
26. Service conduct rules.
27. Variation statement.
28. RE-9B.

II. DESCRIBE QUESTIONS

- Qns. Enumerate various standard forms used in DAR and write down use of any four of them?
- Qns. Write down name of different kind of Estimates and explain in brief.
- Qns. Write detail under procedure preparation of pay sheet of gang man.
- Qns. Under what circumstances an employee is deemed to be under suspension? How much subsistence an employee gets during suspension?
- Qns. What type of different leaves, which can be availed by a railway servant?
- Qns. Write down name of different kind of Tender and explain in brief.
- Qns. What are different stage of budget and its review?
- Qns. What type of different passes, which can be availed by a railway servant?
- Q राजभाषा अधिनियम क्या है¹ यदि डी.आर.एम. जबलपुर डी.आर.एम. चैन्नई को अर्ध शासकीय पत्र लिखना है तो किन चीजों का ध्यान रखेगा
- Q. What is the procedure for enhancement of the cash imprest of an ADEN.
- Q. What is the August Review? What are the details given in the review?
- Q. Describe in brief the procedure for inclusion of works in Works Programme.
What are the various stages?
- Q. What do you understand by supplementary estimates?
- Q. Write down procedure for imposition of minor penalties.
- Q. Briefly describe the Raj-bhasha policy of Government of India.
- Q. Write various steps involved in finalization of a contract costing Rs. 25 lacs.
- Q. Describe various stages involved in creation of new post (Non gazette) work charged.
- Q. राजभाषा को बढ़ावा देने के लिए भारत सरकार की विभिन्न योजनाओं को संक्षेप में लिखें ।

III. FILL IN THE BLANKS

- i. Financial cut off line between major work and divisional works programme is Rs..... Lacs.
- ii. Contractors registered under cat. B can be awarded works up to Rs...lacs through limited tenders.
- iii. The rulebook dealing with safety in train operation is called...
- iv. In case of open tenders, minimum notice period is.....days.
- v. SF-1 is served on an employee for.....
- vi. Full form of HOER is
- vii. PNM stands for....
- viii. Period of maternity leave isdays.
- ix. Preparation of estimates is not necessary for works up to Rs.....
- x. H.Q. of NCR is at.....
- xi. A gang man is entitles to.....days casual leave in a year.
- xii. Form..... is used for revoking suspension of an employee.
- xiii. Shri.....is GM West central Railway.
- xiv. Notice period for an open tender is-----
- xv. Mumbai is a Zonal head quarter of-----& Railway.
- xvi. Senior scale officer of executive department can be a convener of tender committee upto Rs.....
- xvii. Standard form No.....is used for nomination of enquiry officer in any DAR case.
- xviii. The ADEN has to carry out the test check of.....for measurement of ballast supply.
- xix. The demand No.4 is meant of expenditure pertains to.....
- xx. Duty hours of a workers in continuous category in a week is.....
- xxi. The plan head chargeable for bridge rehabilitation is.....
- xxii. For termination of a contract at risk and cost, 7 days notice is served in terms of clause.....of GCC.
- xxiii. There are.....nos. of National holidays in a year.
- xxiv. LAP can be accumulated to maximum.....days.
- xxv. Rate of contribution to provident fund is.....% of the pay.

IV. WRITE FULL FORMS

Q. Write down full forms of followings:-

- (a) IRCON
- (b) LAN
- (c) FA&CAO
- (d) D7AR
- (e) AIR
- (f) CRPF
- (g) PWP
- (h) PIN
- (i) PAN
- (j) CRB.
- (k) RITES
- (l) RDSO
- (m) SCOS
- (n) CTR
- (o) PNM

V. TRUE OR FALLS

- ii. Earnest money is acceptable in the form of bank guarantee
- iii. Plan head 32 under D.No. 16 is for track renewal works
- iv. As per latest guidelines plot rent is to be revised every five years.
- v. SS-11 is used for realization of credit of released scrap materials
- vi. An employee removed from railway service can be re-employed in a Govt. Service
- vii. Any change in SOPGEN requires Board's approval.
- viii. The work cannot be started under urgency certificate unless detailed estimates are
- ix. Sanctioned.
- x. Maximum number of days LAP can be accumulated is 180 days.
- XI. Madhya Pradesh false under D क ग्रुप under राजभाषा अधिनियम
- xii. Gang man of Engineering gates fall under 'continuous' category of HOER.

VI. SELECT CORRECT ANSWER

- i. Joining time for less than 1000 Kms.
(a) 12 days (b) 10 days (c) 15 days (d) 9 days,
- ii. A material train can be taken in the section in absence of guard by P.Way miastry (b) P.W.I. (c) T.I. (d) Non of these.
- iii. Revised estimate is to be prepared when the expenditure is in excess of Original estimate by.
(a) 5% (b) 10% (c) 25% (d) any value.
- iv. For direct recruitment of class III staff of regional basis, the reservation of SC Candidate is
(a) 7 1/2% (b) 12% (c) 15% (d) 14%
- v. A widow mother is considered as a depended under pass rule whose Monitory income is below.
(a) Rs. 250/- (b) Rs. 500/- (c) Rs. 750/- (d) Rs. 1000/-
- vi. The children irrespective of sex will be eligible for family pension up to age of (Excepting those suffering from disorder or disability of mind).
(a) 18 years (b) 21 years (c) 25 years (d) life time.
- vii. Liability register is maintained for watching.
(a) Disposal of scrap material.
(b) Receipt of new material against out standing requisitions.
(c) Payment of wages of staff.
(d) None of these.

VI. DIFFERENTIATE BETWEEN TWO

- (a) Late tender and delayed tender.
- (b) SF-11 and SS-11.
- (c) Pass and PTO.
- (d) General and special condition of contract.

**QUESTION BANK FOR SELECTION OF SR.CLERK
(Engg) Gr.Rs. 4500-7000 (RSRP)**

I. SHORT NOTES

1. Draft para
2. Preliminary works programme.
3. Stock/non-stock items and P.A.C.
4. Dismissal and removal.
5. Rule 14/2 of DAR.
6. Major works programme
7. Divisional works programme
8. Demands of grant.
9. Pink Book
10. Cannons of financial propriety.
11. Type of tenders.
12. Revenue works and sanctioned works.
13. Permanent, temporary and work-charged posts.
14. Cash Imprest.
15. Stock and non-stock items
16. August review and budget estimates.
17. Audit paras.
18. Works Programme
19. Checks exercised on contractor's bill.
20. Service conduct rules.
21. Variation statement.
22. RE-9B.
23. Maternity leave.
24. Deposit work
25. Minor penalties
26. PNM.
27. Completion report.
28. PWP

II. DESCRIBE QUESTIONS

- Q. Enumerate various standard forms used in DAR and write down use of any four of them?
- Q. Write down name of different kind of Estimates and explain in brief.
- Q. Write detail under procedure preparation of pay sheet of gang man.
- Q. Under what circumstances an employee is deemed to be under suspension? How much subsistence an employee gets during suspension?
- Q. What type of different leaves, which can be availed by a railway servant?
- Q. Write down name of different kind of Tender and explain in brief.
- Q. What are different stage of budget and its review?
- Q. What type of different passes, which can be availed by a railway servant?
- Q. राजभाषा अधिनियम क्या है? यदि डी.आर.एम. जबलपुर डी.आर.एम. चैन्नई को अर्ध शासकीय पत्र लिखना है तो किन चीजों का ध्यान रखेगा
- Q. What is the procedure for enhancement of the cash imprest of an ADEN.
- Q. What is the August Review? What are the details given in the review?
- Q. Describe in brief the procedure for inclusion of works in Works Programme. What are the various stages?
- Q. What do you understand by supplementary estimates?
- Q. Write down procedure for imposition of minor penalties.
- Q. Briefly describe the Raj-bhasha policy of Government of India.
- Q. Write various steps involved in finalization of a contract costing Rs. 25 lacs.
- Q. Describe various stages involved in creation of new post (Non gazette) work charged.
- Q. राजभाषा को बढ़ावा देने के लिए भारत सरकार की विभिन्न योजनाओं को संक्षेप में लिखें।

III. FILL IN THE BLANKS

- i. Financial cut off line between major work and divisional works programme is Rs..... Lacs.
- ii. Contractors registered under cat. B can be awarded works up to Rs...lacs through limited tenders.
- iii. The rulebook dealing with safety in train operation is called...
- iv. In case of open tenders, minimum notice period is.....days.
- v. SF-1 is served on an employee for.....
- vi. Full form of HOER is
- vii. PNM stands for....
- viii. Period of maternity leave isdays.
- ix. Preparation of estimates is not necessary for works up to Rs.....
- x. H.Q. of NCR is at.....
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- xxiii. There are.....nos. of National holidays in a year.
- xxiv. LAP can be accumulated to maximum.....days.
- xxv. Rate of contribution to provident fund is.....% of the pay.

IV. WRITE FULL FORMS

- i. IRCON
- ii. LAN
- iii. FA7CAO
- iv. D7AR
- v. AIR
- vi. (CRPF
- vii. PWP
- viii. PIN
- ix. PAN
- x. CRB.
- xi. RITES
- xii. RDSO
- xiii. DCOS
- xiv. CTR
- xv. PNM.
- xvi. TA
- xvii. ZTC
- xviii. JBP
- xix. WCR
- xx. PNM
- xxi. DRM (P)
- xxii. WCRMS
- xxiii. WCREU
- xxiv. OLWRSBF

V. TRUE OR FALLS

- ii. Earnest money is acceptable in the form of bank guarantee
- iii. Plan head 32 under D.No. 16 is for track renewal works
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(d) None of these.

VII. DIFFERENTIATE BETWEEN TWO

(a) Late tender and delayed tender.

(b) SF-11 and SS-11.

(c) Pass and PTO.

(d) General and special condition of contract.

QUESTION BANK for the post of Junior Clerk (WA/B) Engg. Deptt. in Gr. Rs. 3050-4590 (RSRP)

PART-A

I. SHORT NOTES

1. Write down the 10 sentences on Railway Budget -
2. Write down the meaning in Hindi.
 - (a) General Manager
 - (b) Sickness
 - (c) Division
 - (d) Prime Minister
 - (e) Honest.

II. OBJECTIVE TYPE

Q.No. . Write down the meaning in English.

/क/ नियमित

/ख/ मंडल रेल प्रबंधक

/ग/ अर्जन

/घ/ राजस्व विनिधान रजिस्टर

/ङ/ आरक्षण

Q.No Write down the opposite words

(a) Night

(b) Light

(c) East

(d) Honest.

Q.No. Translate into the sentence.

(a) Table

(b) Garden

(c) Inspector

(d) Railway Minister

(e) Office.

PART-II

I. WRITE FULL FORMS

1. TA
2. ZTC
3. JBP
4. WCR
5. PNM DRM (P)
6. WCRMS
7. WCREU
8. OLWRSBF.
9. IRCON
10. LAN
11. FA7CAO
12. D7AR
13. AIR
14. (CRPF
15. PWP
16. PIN
17. PAN
18. CRB.
19. RITES
20. RDSO
21. DCOS
22. CTR
23. PNM.

II. FILL IN THE BLANKS

- (a) Shri----- is our DRM.
- (b) Shri----- is the Governor of Madhya Pradesh
- (c) Zonal office of West Central Railway is at -----
- (d) Jabalpur is situated on the Bank of ----- River
- (e) Minakshidevi Temple is situated in the ----- city.

III. MATHEMATICS

Q Solve the following:-

- (a) 15% of 150
(b) $211 \times 101 \times 302$
(c) $1 - \frac{1}{4} + 4 - \frac{3}{4}$
(d) $2.5 \times 0.25 \times 1.0$
(e) $\frac{4-3}{15+4} \div \frac{10-8}{23+17}$

Q. Find the simple interest on Rs. 3000/- @ 12% per annum for 4 years.

Q. Calculate the under root of 1296

IV. TRANSLATION

Q. Translate into the sentence.

(a) Table (b) Garden (c) Inspector (d) Railway Minister (e) Office.

Q. Translate in Hindi-

- (a) I am promoted as clerk
(b) Bhopal is the capital of Madhya Pradesh.
(c) Train is running three hours late.
(d) Sunday is the Rest day.
(e) Independence day is celebrated on 15th August.

Q.No.. Translate in English -

- /क/ मैं आठवी पास हूँ।
/ख/ हिन्दी हमारी भाषा है।
/ग/ भारत की राजधानी दिल्ली है।
/घ/ क्या मैं आप की मदद कर सकता हूँ।
/ङ/ पश्चिम मध्य रेल का प्रधान कार्यालय जबलपुर में है।

V. DESCRIBE QUESTIONS

Q. Write down the 100 words on National Language Hindi.