

Disclaimer

This question bank is only for guidance of candidates to understand and the nature and type of questions that are generally asked. It does not mean that questions will be asked from this question bank only. The examiner may or may not ask questions from this question bank, either partially or wholly. Candidates should prepare the relevant subjects thoroughly and should be prepared to answer any question on the concerned subjects.

अस्वीकरण

यह प्रश्न बैंक केवल उम्मीदवारों के मार्गदर्शन एवं प्रकृति समझाने प्रश्नों के प्रकार के लिए है जो आमतौर पर पूछे जाते हैं। इसका मतलब यह नहीं है कि इस प्रश्न बैंक से ही प्रश्न पूछे जाएंगे। परीक्षक इस प्रश्न बैंक से आंशिक रूप से या पूर्ण रूप से प्रश्न पूछ सकता है या नहीं भी पूछ सकता है। उम्मीदवारों को संबंधित विषयों को पूरी तरह से तैयार करना चाहिए और संबंधित विषयों पर किसी भी प्रश्न का उत्तर देने के लिए तैयार रहना चाहिए।

1. These are objective types questions to be answered to the point or to be answered by filling the blanks:-

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- a) Mention the temperature range to which maintenance operation in LWR should be restricted.
- b) What is the hot weather patrolmen's beat in single line section.
- c) A false flange may split open points while travelling in direction.
- d) Which are the joints in a Turn out desirable to be made gapless.
- e) Maximum spacing of bridge timbers on open deck bridges is
- f) What is the sleeper density to be used for renewal on "A" route.
- g) What is the service life of 60 kg 90 UTs rail in terms of GMT.
- h) What is the minimum distance of gate posts from centerline of track on "A" Class level crossing on BG.
- i) How degree of curve at any point can be found in the field.
- j) What is the weight of an 18.30m (60 ft.) standard BG plate girder
- k) Name the equipment used for measuring velocity of flow of water.
- l) What do you understand by M25 concrete.
- m) At each small station book is maintained in which station master will enter repairs required to building and quarters as brought to his notice.
- n) What is the frequency of inspection of steel structures by SSE/Works.
- o) The scale of daily supply of water for office consumption per head is liters per day.

North Central Railway

2017

1. Fill in the blanks with most suitable answer:-

- a) Light year is a unit of
- b) The brand name under which Railway's own bottled drinking water is supplied at trains is ...
- c) The longest Railway tunnel in India is in state of
- d) Coulomb's earth pressure theory may be used to determine..... thrust on a bridge.

- e) In determining atterberg's limit of a soil, the transition state from liquid state to a plastic state is known as limit of the soil.
- f) Vertical stirrups in a RCC beam are used to resist stresses in the beam.
- g) Headquarter of SWR is
- h) In working stress design, the allowable stress of steel is obtained by dividing by factor of safety.
- i) Voting right for parliamentary elections can be exercised after age of years.
- j) The longest platform on Indian Railways is in zone.
- k) Indian railways is divided into zones at present.
- l) BIS code no. is is used for the design of steel structures in hindi.

Fill in the blanks with suitable words:-

- a) The overall length of 1 in 12 fan-shaped 60kg turn out ism.
- b) For turn-out curve of similar flexure followed by reverse curve, the maximum cant on main line at this turn-out is limited to mm.
- c) Greasing of pandrol clips to be carried out at least once in
- d) Testing of rivets of a through girder bridge to be carried out once inyear.
- e) Paternity leave admissible to a railway employee is days.
- f) Out of various "Demands for Grants", the item of "Repair & maintenance of Way and Works" is "Demand no.

Engineering Department

1. Fill in the blanks with suitable words:-

- i. The overall length of 1 in 12 fan-shaped 60kg turn-out ism.
- ii. For turn-out curve of similar flexure followed by reverse curve the maximum cant on main line at this turn-out is limited tomm.
- iii. Greasing of pandrol clips to be carried-out at least once in
- iv. Testing of rivets of a through girder bridge to be carried out once in year
- v. Paternity leave admissible to a railway employee is days.
- vi. Out of various "Demands for Grants" the item of "Repair & maintenance of way and works" is "Demand no.. ..

2. What are the systems being followed for alignment of track during tamping works. Describe the single chord lining system by 3-point lining method.
3. When is destressing of LWR necessary, Describe the procedure for destressing of LWR without use of rail tensors.
4. Describe the procedure and precaution to be followed for rail fracture in a LWR section.
5. During sleeper renewal track alignment of a portion of a caution curve disturbed. The versions of disturbed track are as tabulated below. Work out the slews for re alignment of the curve.
Add table
6. Describe the procedure to be adopted for replacement of arch of a 1 X6 m span masonry bridge by PS slab under traffic when abutment of the bridge have to be retained.
7. Describe the special precautions to be observed for maintenance of track circuited areas.
8. Mention the various works on track requiring sanction of CRS.
9. During deep screening of track, the following speed restrictions cast in a single line section. Indicate the locations of various Engineering indicators to be fixed at the site. if a permanent speed restriction of 30kmph already exists (in shown).
Add sketch
10. Write down the specifications for the following works (any three)
 - i) Varnishing on wood work.
 - ii) Distemping
 - iii) Bituminous road surface.
 - iv) Jointing of galvanized iron pipes.
11. (a) What are the different types of probes used in USFD testing of rails and welds indicate the types of defect noticed by these probes.
(b) Describe the procedure to be adopted for thermit welding of a rail joint.
12. Describe the procedure for imposing major penalty against a railway employees.
13. Write a note on "Workmen's Compensation Act" indicating amount of compensation and admissibility to railway employee.
14. What are the various sources of funds for engineering department. Explain in details.
15. Write short notes on the following:-

- i. Works programme
- ii Various types of Budget reviews.