

SELECTION FOR THE POST OF JUNION ENGINEER/WORKS IN PAY BAND Rs. 9300-34800 WTH G.P. Rs. 4200/- AGAINST 25% PRQ – Engineering Department

Time : 3 hours.

Max. Marks – 100

I. Choose the correct answer (20 X 1 = 20 marks)

1. Painting woodwork should be normally being done once in _____ years

- a) 2-3 years b) 3-5 years c) 5-7 years.

2. The spacing of manholes designed for 300mm diameter sewer is

- a) 30 meters b) 40 meters c) 45 meters

3. At wayside stations where Engineering staff is not posted, daily watering to young trees may be entrusted to _____ staff.

- a) Operating b) S&T c) Commercial

4. Petty repair book should be kept at _____

- a) SE/Works Office b) ADEN office c) SM office

5. Stock brick shall have a crushing strength of not less than _____ kg/cm² when dry

- a) 33 b) 44 c) 55

6. The boundary stones may be of suitable size and section, projecting about _____ mm above ground

- a) 300 b) 500 c) 1000

7. Zonal contract is for the period from 1st _____

- a) March b) January c) July

8. An estimate is prepared in order to enable the authority competent to give administrative approval to the expenditure is called

- a) Detailed Estimates b) Abstract Estimates c) Revised Estimates

9. The minimum residual free chlorine should be available at tail end point

- a) 0.1ppm b) 0.2ppm c) 0.3 ppm

10. Minimum horizontal distance from centre of track to any structure except a platform for new works from 1065mm above rail level to 3355mm

- a) 2135mm b) 2360mm c) 1905 mm

11. Which one of the following languages is not available in the 8th schedule?

- a) Tamil b) English c) Malayalam

12. When is 'Hindi day' celebrated every year?

- a) 12th Feb b) 14th Sept. c) 14th Feb

13. When was the Official Languages Rules passed?

- a) 1976 b) 1974 c) 1978

14. According to Official language rules, Tamilnadu falls under which region.

- a) Region A b) Region B c) Region C

15. How many members are there in the Parliamentary Committee on Official Language?

- a) 30 b) 40 c) 25

16. Who is the current Minister for Railways?

- a) Shri Dinesh Trivedi b) Shri Mukul Roy c) Ms. Mamata Banerjee

17. Who is the Head of the Division?

- a) DRM b) Sr.DEN/Coord c) Sr.DPO

18. Who is the Head of Civil Engineering Department?

- a) PCE b) CTE c) CE

19. Who is the Health Minister of Tamil Nadu?

- a) Dr. Vijay b) Shri Ponmudi c) Dr. Anbumani Ramadoss

20. How many divisions are available in Southern Railway?

- a) 4 b) 6 c) 7

II. Fill in the Blanks with suitable words (22 X 1 = 22 marks)

21. Formation width for double line straight track Minimum width in cutting (excluding side drains) _____ mm.

22. Number of booking counters to be provided for B Category station based on minimum essential amenities is _____ nos.

23. Platform Number sign board colour should be _____ figures/letters in _____ background.

24. The absorption of water by stock brick after 24 hours immersion in cold water shall not exceed _____% by its weight.

25. Scale of minimum essential amenities at 'A' class stations for seating arrangements on each platform should be _____ (75/100/50) seats.

26. Hindi in _____ script is the Official Language of Union of India.

27. Official Languages Act 1963 was amended in _____ (1967/1965/1976).

28. The three regions classified under Official Language Rules are _____ & _____ Regions.

29. The Hindi courses prescribed for Central Govt. employees are _____ & _____.

30. _____ is the final Hindi course prescribed for Clerical cadre employees of Central Government.

31. _____ is the Prime Minister of India.
32. _____ is the Headquarters of South Central Railway.
33. _____ is the Headquarters of South Western Railway.
34. _____ is the Head of the Operating Department.
35. Repair works are carried out through the zonal contractor by issuing _____.
36. All suburban stations have been included in Category _____.
37. Two systems of supply of water are _____ and _____.
38. EMD should be collected at the rate of _____% of tender value.
39. Form No. for stock indent is _____.
40. Water bound diseases are caused due to _____ (physical/chemical/bacterial) impurities.
41. _____ is the Estate Officer of the Division.(ADRM/Sr.DEN/Sr.DPO).
42. Stock bricks are used in vertical and bed joints shall not be more than _____.

III. Write the station code of the following: (5 X 1 = 5 marks)

- 43.Chennai Central
- 44.Tiruchirappalli Junction
- 45.Salem Junction
- 46.Trivandrum
- 47.Madurai Junction

IV. Expand the following: (5 X 1 = 5 marks)

48. RRB
49. SDGM
50. PCE
51. CMRL
52. ICF

V. ANSWER any six of the following: (6 X 8 = 48 marks)

1. What are the duties of JE/II/Works?
2. Write specification for brick masonry.
3. Prepare work order for compound wall of length 3m and height 2m with 23cm brick masonry including plastering.
4. Write short notes on Blanketing on black cotton soil.
5. List out scale of minimum essential amenities to be provided in 'A' class station.
6. List out eight name of chapters from the Unified Standard Schedule of Rates 2011.
7. List of different types of estimates and explain any one estimate.
8. List out various departments of zonal Railway and explain the functions of any one of the department.
9. Write short notes on
 1. EMD (3 marks)
 2. SD (3 marks)
 3. Performance Guarantee (2 marks)