

23.09.2011

34/c
SALC

Selection for promotion to the Group 'B' post of AME/ AWM through LDCE (30%)

Paper I

Time: 10 minutes for reading + 3 hours

Maximum Marks: 150

Part A- General Portion (50 Marks)

Question no. 1 is compulsory. In addition, attempt any two from the remaining questions from this part. Marks are indicated against them

1. Answer the following: (compulsory) (2 x 10 = 20)
 - (a) Who is the Minister of Railways?
 - (b) Who is the Governor of Tamilnadu?
 - (c) ICF is currently exporting DEMUs through which agency?
 - (d) What would be the installed annual capacity of ICF after the new unit is set up?
 - (e) The new Staff Council of ICF is having how many elected members?
 - (f) The Lokpal Bill is currently with which agency?
 - (g) Which of the following dance forms does not belong to South Indian styles?
Kathak, Kathakali, Bharatnatyam, Mohiniattam
 - (h) Jnanapeetha Award is associated with which field?
 - (i) How many nations are members of SAARC?
 - (j) India's boundary touches how many countries?
2. Which Ministry controls the Official Language Policy? As per that, what is the policy for ICF in respect of Originating correspondence, Replying to letters received in Hindi, Documents coming under Section 3(3)? What documents come under Section 3(3)? (15)
3. The cost of a GS coach from ICF is ₹ 70 Lakhs, comprising 60% material cost and 40% labour cost. The labour cost is inclusive of 400% of overheads. If the basic labour rate increases by 20% and the overheads reduce to 350%, what is the new cost of GS from ICF assuming no other change? What is the percentage difference in the overall cost? (15)
4. Write short notes on any three of the following: (5 x 3 = 15)
 - (a) Standard deviation and Mean
 - (b) Fuse and circuit breakers
 - (c) Fahrenheit and Celsius scales
 - (d) Hardening and Tempering

Part B - Professional Portion (100 marks)

Attempt any 4 questions from this part. All carry equal marks

5. (a) What are the salient features of DEMUs that ICF is currently making for exports? How do they compare with the conventional DEMUs for IR? Cover both Shell and Furnishing in your answer. (15)
- (b) What are the special design features of J&K DEMUs? What changes have been brought about in the current version as compared to the previous ones sent in 2007? (10)
6. Write short notes on any five of the following: (5 x 5 = 25)
 - (a) Stock and Non-stock items
 - (b) Procurement Memo and NS indent
 - (c) Limited tenders and Open tenders
 - (d) Proprietary article certificate
 - (e) P-14 and P-17
 - (f) Non-moving items
7. (a) What is ERP and what is the role of the shop-floor in its implementation? What benefits are likely to accrue to ICF with its implementation? (15)
- (b) What are the basic uses of MS Word, MS Excel, MS Access and MS Powerpoint? (10)

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SOL 2210 (20)
8. (a) What does OHSAS 18001 stand for? In ICF a combined certificate has been opted for both OHSAS 18001 and ISO 14001. Why? What is the role of Safety Officers and where does Factory Act comes into play in ISO 14001 and OHSAS 18001? (20)
- (b) What is the difference between Corrective Action and Preventive Action under ISO 9001? (5)
9. What are the types of axle roller bearings used in coaches over Indian Railways (ICF design and LHB design)? What are the relative merits of one over the other? What precautions are to be taken during initial fitment and also during periodic checks? What periodicity has been specified for ICF bogies? What are the reasons of failures of roller bearings? (25)
10. Write short notes on any five of the following. They carry equal marks (5 x 5 = 20)
- (a) 100 day sick marking
 - (b) System of customer feedback at ICF
 - (c) F-02 form
 - (d) Spectrometer
 - (e) E-mail
 - (f) Young's modulus