INSTRUCTIONS:

1. Do not write your name or any other identification mark anywhere in the answer book.
2. No correction in form of cutting, overwriting, Erasing or modifying of the answer in any way is permitted in respect of objective questions. Such an answer will be taken as invalid and no marks will be awarded.
3. Write the question number (including the sub-question) correctly while answering.

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A. **Expand the following:**   10 X 2 = 20 m
   1. FOIS
   2. NTKM
   3. SFC
   4. ICMS
   5. EBR –IF •
   6. IPAS
   7. ROPD
   8. ~~IPAS~~ *PNR*
   9. RDBMS •
   10. ABUCS •

B. **Fill in the blanks**   10 X 2 = 20 m
   1. Annual statement number 40 refers to _____ statistics
   2. Commodity statistics are contained in statement nos. _____
   3. Earning obtained as per statement no 7 C is on _____ basis.
   4. The Ratio of Ram's age and Krishna's age is 3:5. The sum of their ages is 80. The ratio of their ages after 10 years is _____
   5. The cost of materials under Direct purchase is booked under primary unit _____
   6. The House Rent Allowance is booked under Primary unit _____
   7. The initial bifurcation of expenses between different gauges and coaching and goods service is done by adopting the method of _____ costing.
   8. The replacement of Bridge on age cum condition basis is charged to _____ fund.

9. The sale proceeds of unclaimed and damaged goods are credited to Abstract _____

10. If ¼ X + 3 = 7, the value of X is _____

C. For the following list of values: 13, 18, 13, 14, 13, 16, 14, 21, 13 Find   **10 marks**
   a. Mean : _____   2 m
   b. Median : _____   2 m
   c. Mode :_____   2 m
   d. Range : _____   1 m
   e. Standard deviation: _____   3 m

D. **Answer any five questions among the following in Detail. Each sub division carries equal marks**   **5 X 10 = 50 m**

1. Explain how Passenger Revenue statistics are compiled.

2. What is meant by DCF? Why this technique is considered better than the conventional method? Explain with a small example, the concept of Net Present Value and Internal Rate of Return.

3. What is Operating Ratio? Discuss whether it is good criteria for comparing performance of different Railways. Suggest ways to improve Operating Ratio.

4. Explain in brief the various techniques/ methods of cost analysis that are adopted for allocation of costs to various services in Railways.

5. Write Short notes on the following
   a. Apportioned Earnings
   b. Wagon Turn Around
   c. Marginal Cost
   d. Opportunity Cost

6. Write shortnotes on the following

   a. Hindi Training
   b. Cases where Hindi and English are to be used and cases where Regional language,Hindi and English are to be used

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