

विषय : सेवा सम्बन्धी

प्रत्येक Section को उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

50 Marks

Section "A"

1. Differentiate between vernier caliper and micrometer. Write down their advantages over normal scale. 3+2=5
2. What are the advantages and disadvantages of preventive maintenance system? 5
3. What are the principle and objective of record keeping? Write about good practices of record keeping. 3+2=5
4. Write safety tools used in workshop. Why safety in workshop is important? 1+4=5
5. What is hydraulic pump? Explain any two types of hydraulic pump. 1+4=5
6. What is an aerobridge and its uses? What mechanism does aerobridge work on? 3+2=5
7. What are the commonly used hand tools in workshop? Briefly explain their application with their sketches. 4+6=10
8. What is depreciation in accounting system? Why is it important to calculate depreciation of mechanical equipments? Explain with example how depreciation is calculated using diminishing balance method. Differentiate between straight line and diminishing balance method of calculating depreciation. 1+2+4+3=10

50 Marks

Section "B"

9. Differentiate between first and third angle projection. 5
10. What is the weakness of pneumatic system? What is the biggest maintenance problem in pneumatic systems? Describe. 5
11. What are the functions of the carburetor in a Petrol Engine car? Describe. 5
12. Write the purposes of lubricants. Briefly explain different types of lubricants used in vehicles. 2+3=5
13. Write about humidifier used in AC. Write down its importance in winter. 2+3=5
14. Why are filters used in vehicles? Explain different types of filters used in vehicles. 1+4=5
15. Explain with schematic diagram the function of different components of hydraulic system. 3+7=10
16. Describe the working of water cooling system with diagram. Write about different types of fuel injection systems along with their applications. 5+5=10

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