**Instructions**

1. **The test contains four questions.**
2. **Marks will be awarded for partially correct answers also.**
3. **Roughly 24 seconds are allotted for each mark.**

**Q1**: Find the derivatives of the following functions with respect to

1. 8 Marks
2. 8 Marks

*Space for Rough Work*

1. 8 Marks
2. 8 Marks

*Space for Rough Work*

1. 8 Marks

*Space for Rough Work*

**Q2**: Find if 20 Marks

Q3: Q: Find if 20 Marks

Q4: Find if and are expressed parametrically as and 20 Marks