**ARKA JAIN University, Jharkhand**

1st Semester 1st Internal Examination – 2023-2024



**Subject: Remedial Mathematics**

**Course: B. Pharm Full Marks: 30**

**Time:** 1 Hour

**All the questions are compulsory**

1. **Long Answers (Answer 1 out of 2) = 1 x 10 = 10**
2. Evaluate

2. Find the partial fractions of

**II. Short Answers (Answer 4 out of 6) = 4 x 5 = 20**

1. Evaluate the value of
2. Prove that log10+2log3-log2=log45
3. Find the partial fraction of
4. If f(x) = x × sin (1/x), x ≠ 0, then find Limx→0 f(x).
5. **If f(x)= x3+2x2+3x+4 find f(2x+1).**
6. Evaluate