Centum Preparation 100 Days plan class 12 Maths

Q.No.	DAY - 61
378	2. Evaluate the following integrals using properties of integration (i) $\int_{-5}^{5} x\cos\left(\frac{e^x-1}{e^x+1}\right)dx$
379	2. Evaluate the following integrals using properties of integration (ii) $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} (x^5 + x\cos x + \tan^3 x + 1)\,dx$
380	2. Evaluate the following integrals using properties of integration (iii) $\int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} \sin^2 x\ dx$
381	2. Evaluate the following integrals using properties of integration (iv) $\int_{0}^{2\pi} x\log\left(\frac{3+\cos x}{3-\cos x}\right)dx$
382	2. Evaluate the following integrals using properties of integration (vii) $\int_{0}^{\sin^2 x} \sin^{-1}\sqrt{t}\ dt + \int_{0}^{\cos^2 x} \cos^{-1}\sqrt{t}\ dt$
383	2. Evaluate the following integrals using properties of integration (viii) $\int_{0}^{1}\frac{\log(1+x)}{1+x^2}dx$
384	2. Evaluate the following integrals using properties of integration (ix) $\int_{0}^{\pi}\frac{x\sin x}{1+\sin x}dx$