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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

INTEGRALS

SESSION -2024-25

CLASS - 12th

JOIN TODAY FOR ADVANCE CONCEPTS

ONLY IN ₹3000 PER MONTH

MRP: ₹ 100/- ONLY

ALSO, BASIC CONCEPTS CLASSES IN SUMMER VACATION Apr, May & Jun (Every Year)

Add: Block -B, Near Glory Villa, 60 feet Road (Nearest land mark Scindia Statue), Shatabdipuram, Gwalior

Time : 1 hr -: Integrals :- mm :

Q. 1. Solve : $\int \sqrt{\frac{9+x}{9-x}}\, dx$

Q. 2. Solve : $\int \frac{x^{1/2}}{1+x^{3/4}}\, dx$

Q. 3. Solve : $\int \frac{dx}{\sqrt{16-9x^2}}$

Q. 4. Solve : $\int \frac{\sqrt{x}}{\sqrt{a^3-x^3}}\, dx$

Q. 5. Solve : $\int_0^2 (x^3+3)\, dx$

Q. 6. Solve : $\int_0^1 \frac{dx}{e^x+e^{-x}}$

Q. 7. Solve : $\int_0^{\pi} x \sin x \cos^2 x\, dx$

Q.8. $\int_0^{1/2} \frac{dx}{(1+x^2)\sqrt{1-x^2}}$

Q.9. Solve: $\int \frac{x^2}{x^4 - x^2 - 12}\, dx$

Q.10. Solve: $\int_{-\pi/4}^{\pi/4} \log(\sin x + \cos x)\, dx$

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