2326/16 'A 101/2 (101/6) 100/16 I Saf(x)dx = a Sf(x)dx तिवा भर त्यां भिति विकाल 1. $\int \left(\frac{8}{3}x^3 - 6x^2 + 3x - 9\right) dx$ 2. $\int \frac{5x^6 - 2x + 4}{x^3} dx$ 3. $\int X^3 (3-X)^3 dx$ $4. \int \frac{2x^{\frac{1}{2}} + 7x^{3} + 3x^{\frac{2}{4}} + 8x^{\frac{1}{4}}}{(x+1)} dx$ $5. \int \frac{2x^{4}-7x^{3}+3x^{2}+8x-4}{x^{2}-4x+4} dx$ 6. $\int 12(6-3x)^3 dx$ 7. 1/7 - 5/x dx

II Stf(x) ± g(x) dx = Sf(x)dx ± Sg(x) dx $III \int x^n dx = \frac{x^{n+1}}{n+1} + C \qquad n \in \mathbb{R} \setminus \{-1\}$ 8. $\int \frac{3\sqrt{x}-2}{\sqrt[3]{x^2}} dx$ $9.\sqrt{\frac{3}{2x-3}}dx$ 16 V(2x-3)4+c7

Sf(ax+b)dx = 1 F(ax+b)+ C SIC f(x) $\frac{1}{3}$ $\frac{1}{10}$ $\frac{1$ (1,7) 11. f'(x) = -6x + 8(2,5) 03/pp (2,5) 12. f(x)=P(x) (n 750N py//10) f(1)=4, f(2)=9 f(1)=3 f''(x) = C = const $\begin{cases}
f(x) = P_2(x) = 2x^2 \times + 3
\end{cases}$ 13. $f''(x) = 12x^2 - 4$ f'(1)=3 $f(1) = 4 \qquad \{f(x) = x^{2} - 2x^{2} + 3x + 2\}$ [] = x = 2x + 1.5x = 9x+C; (Na/en 国家女是一是+C;国一等+3x6-5.4x数 14. 2x4-3x3+6x2-4x+C, 国 = x3+2x2-x+C; C 16. -(6-3x)4-C; 国 14√x-9√x3+C 国景级-6数-6

(F(x)=f(x)) (f(x)dx=F(x)+Cple