

1. $\int \frac{1}{x} dx = \ln|x| + C$
 2. $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$
 3. $\int \frac{1}{x^3} dx = -\frac{1}{2x^2} + C$
 4. $\int \frac{1}{x^4} dx = -\frac{1}{3x^3} + C$
 5. $\int \frac{1}{x^5} dx = -\frac{1}{4x^4} + C$
 6. $\int \frac{1}{x^6} dx = -\frac{1}{5x^5} + C$
 7. $\int \frac{1}{x^7} dx = -\frac{1}{6x^6} + C$
 8. $\int \frac{1}{x^8} dx = -\frac{1}{7x^7} + C$
 9. $\int \frac{1}{x^9} dx = -\frac{1}{8x^8} + C$
 10. $\int \frac{1}{x^{10}} dx = -\frac{1}{9x^9} + C$
 11. $\int \frac{1}{x^{11}} dx = -\frac{1}{10x^{10}} + C$
 12. $\int \frac{1}{x^{12}} dx = -\frac{1}{11x^{11}} + C$
 13. $\int \frac{1}{x^{13}} dx = -\frac{1}{12x^{12}} + C$
 14. $\int \frac{1}{x^{14}} dx = -\frac{1}{13x^{13}} + C$
 15. $\int \frac{1}{x^{15}} dx = -\frac{1}{14x^{14}} + C$

(5 marks)

per