

ސަރުކާރުގެ ނަންބަރު: GRH/IU/2021/06



މާލިކު ސަރުކާރުގެ ސިއްޔާފުޅު

މިނިސްޓްރީގެ ދަށުން

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މިނިސްޓްރީގެ ދަށުން ސަރުކާރުގެ ސިއްޔާފުޅުގެ ދަށުން

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5. 5.1 5.2 6. 6.1 6.2 7. 7.1 8. 8.1 8.2 9. 9.1 9.2 10. 10.1 11. 11.1 12. 12.1

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5.2

6. 6.1 6.2

6.1

6.2

7. 7.1

7.1

8. 8.1 8.2

8.1

8.2

9. 9.1 9.2

9.1

9.2

10. 10.1

10.1

11. 11.1

11.1

12. 12.1

12.1

13.1. 13. ۱۳-۱  $\frac{d}{dx} \sin x = \cos x$   $\frac{d}{dx} \cos x = -\sin x$   $\frac{d}{dx} \tan x = \sec^2 x$   $\frac{d}{dx} \cot x = -\operatorname{cosec}^2 x$   $\frac{d}{dx} \sec x = \sec x \tan x$   $\frac{d}{dx} \operatorname{cosec} x = -\operatorname{cosec} x \cot x$

13.2. 13. ۱۳-۲  $\frac{d}{dx} \sin^{-1} x = \frac{1}{\sqrt{1-x^2}}$   $\frac{d}{dx} \cos^{-1} x = \frac{-1}{\sqrt{1-x^2}}$   $\frac{d}{dx} \tan^{-1} x = \frac{1}{1+x^2}$   $\frac{d}{dx} \cot^{-1} x = \frac{-1}{1+x^2}$   $\frac{d}{dx} \sec^{-1} x = \frac{1}{x\sqrt{x^2-1}}$   $\frac{d}{dx} \operatorname{cosec}^{-1} x = \frac{-1}{x\sqrt{x^2-1}}$

14. 14-۱  $\frac{d}{dx} e^{ax} = ae^{ax}$   $\frac{d}{dx} e^{-ax} = -ae^{-ax}$

14.1. 14-۱  $\frac{d}{dx} e^{ax} = ae^{ax}$   $\frac{d}{dx} e^{-ax} = -ae^{-ax}$

14.2. 14-۲  $\frac{d}{dx} e^{ax+b} = ae^{ax+b}$   $\frac{d}{dx} e^{-ax+b} = -ae^{-ax+b}$   $\frac{d}{dx} e^{a \sin^{-1} x} = \frac{a}{\sqrt{1-x^2}} e^{a \sin^{-1} x}$   $\frac{d}{dx} e^{-a \cos^{-1} x} = \frac{-a}{\sqrt{1-x^2}} e^{-a \cos^{-1} x}$   $\frac{d}{dx} e^{a \tan^{-1} x} = \frac{a}{1+x^2} e^{a \tan^{-1} x}$   $\frac{d}{dx} e^{-a \cot^{-1} x} = \frac{-a}{1+x^2} e^{-a \cot^{-1} x}$

15. 15-۱  $\frac{d}{dx} \ln x = \frac{1}{x}$   $\frac{d}{dx} \ln(ax) = \frac{1}{x}$   $\frac{d}{dx} \ln \left(\frac{x}{a}\right) = \frac{1}{x}$

15.1. 15-۱  $\frac{d}{dx} \ln x = \frac{1}{x}$   $\frac{d}{dx} \ln(ax) = \frac{1}{x}$   $\frac{d}{dx} \ln \left(\frac{x}{a}\right) = \frac{1}{x}$

15.2. 15-۲  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.3. 15-۳  $\frac{d}{dx} \ln \left(\frac{u}{v}\right) = \frac{1}{u} \frac{du}{dx} - \frac{1}{v} \frac{dv}{dx}$   $\frac{d}{dx} \ln (uv) = \frac{1}{u} \frac{du}{dx} + \frac{1}{v} \frac{dv}{dx}$   $\frac{d}{dx} \ln (x^a) = \frac{a}{x}$

15.4. 15-۴  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.5. 15-۵  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.6. 15-۶  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.7. 15-۷  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.8. 15-۸  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.9. 15-۹  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.10. 15-۱۰  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

15.11. 15-۱۱  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

•  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

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16. 16-۱  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

16.1. 16-۱  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

16.2. 16-۲  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

17. 17-۱  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$

17.1. 17-۱  $\frac{d}{dx} \ln |x| = \frac{1}{x}$   $\frac{d}{dx} \ln |ax| = \frac{1}{x}$   $\frac{d}{dx} \ln \left|\frac{x}{a}\right| = \frac{1}{x}$   $\frac{d}{dx} \ln |x^a| = \frac{a}{x}$







21. 21.1-21.2

21.1. 21.1-21.2  
 21.1. 21.1-21.2  
 21.2. 21.1-21.2

21.2.1. 21.2.1  
 21.2.2. 21.2.2

21.2.1. 21.2.2  
 21.2.2. 21.2.3

$(CP * 0.005 * LD)$

- CP (نسبة المبلغ المبرمج): لا يتجاوز 5% من إجمالي الميزانية.
- LD (مبلغ الميزانية): لا يتجاوز 5% من إجمالي الميزانية.

21.2.2. 21.2.3  
 21.2.3. 21.3

$(CP * 0.0025 * LD)$

21.3. 21.3  
 21.3. 21.3

22. 22.1-22.2

22.1. 22.2

23. 23.1-23.5

23.1. 23.2

23.2. 23.3

23.3. 23.4

23.4. 23.5

23.5. 23.5

