

System of ODE

Detailed Course on Differential Equation for IIT JAM' 23 - II



Unacademy Unlock

20% off* on IIT JAM subscriptions

August 22 - 26

Duration	Current Price	What you pay	What you Save
24 Months	₹ 21,780	₹ 17,424	₹ 4,356 (20%)
12 Months	₹ 14,974	₹ 11,979	₹ 2,995 (20%)
9 Months	₹ 13,475	₹ 10,780	₹ 2,695 (20%)
6 Months	₹ 12,252	₹ 9,802	₹ 2,450 (20%)
3 Months	₹ 6,807	₹ 5,446	₹ 1,361 (20%)

Subscribe Now

Use code GPSIR

For more details, contact: 8585858585.

*T&C apply, as available on the platform.

20



Unacademy Unlock

20% off* on CSIR UGC NET subscriptions

August 22 - 26

Duration	Current Price	What you pay	What you Save
24 Months	₹ 23,100	₹ 18,480	₹ 4,620 (20%)
12 Months	₹ 16,748	₹ 13,398	₹ 3,350 (20%)
6 Months	₹ 13,398	₹ 10,718	₹ 2,680 (20%)
24 Months	₹ 52,975	₹ 42,380	₹ 10,595 (20%)
12 Months	₹ 30,780	₹ 24,624	₹ 6,156 (20%)
6 Months	₹ 21,540	₹ 17,232	₹ 4,308 (20%)

Subscribe Now

Use code _____

*T&C apply, as available on the platform.

20



Gajendra Purohit

Legend in CSIR-UGC NET & IIT-JAM

- Unlock Code : GPSIR ~ PhD, CSIR NET (Maths) | Youtuber(800K+165K Sub.)/Dr.Gajendra Purohit (Maths), 17+ Yr. Experience, Author

50M Watch mins

3M Watch mins (last 30 days)

44K Followers

2K Dedications

→ **TOP EDUCATOR ON UNACADEMY
FOR CSIR NET & IIT JAM**

YouTuber with 800K Subscribers

→ **AUTHOR OF BEST SELLER BOOK
FOR CSIR NET & IIT JAM**

**Get
10% Off**

Referral Code : GP SIR





Unacademy Unlock

20% off* on IIT JAM subscriptions

August 22 - 26

Duration	Current Price	What you pay	What you Save
24 Months	₹ 21,780	₹ 17,424	₹ 4,356 (20%)
12 Months	₹ 14,974	₹ 11,979	₹ 2,995 (20%)
9 Months	₹ 13,475	₹ 10,780	₹ 2,695 (20%)
6 Months	₹ 12,252	₹ 9,802	₹ 2,450 (20%)
3 Months	₹ 6,807	₹ 5,446	₹ 1,361 (20%)

Plus

Subscribe Now

Use code GPSIR

For more details, contact: 8585858585.

*T&C apply, as available on the platform.

20



DETAILED COURSE 2.0

LINEAR ALGEBRA FOR IIT JAM 2023

8th SEPTEMBER

Gajendra Purohit

Enroll Now

USE CODE
GPSIR
FOR 10% OFF





RANK BOOSTER COURSE UNIT 2 CSIR NET 2022

23rd AUGUST

Gajendra Purohit

Enroll Now

USE CODE
GPSIR
FOR 10% OFF



Unacademy Unlock

20% off* on CSIR UGC NET subscriptions

August 22 - 26

	Duration	Current Price	What you pay	What you Save
Plus	24 Months	₹ 23,100	₹ 18,480	₹ 4,620 (20%)
	12 Months	₹ 16,748	₹ 13,398	₹ 3,350 (20%)
	6 Months	₹ 13,398	₹ 10,718	₹ 2,680 (20%)
Iconic	24 Months	₹ 52,975	₹ 42,380	₹ 10,595 (20%)
	12 Months	₹ 30,780	₹ 24,624	₹ 6,156 (20%)
	6 Months	₹ 21,540	₹ 17,232	₹ 4,308 (20%)

Subscribe Now

Use code _____

*T&C apply, as available on the platform.

20

FEE DETAILS FOR IIT JAM SUBSCRIPTION

No cost EMI available on 6 months & above subscription plans

24 months ₹ 908 / mo
Save 67%
Total ₹ 21,780

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,248 / mo
Save 54%
Total ₹ 14,974

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,497 / mo
Save 45%
Total ₹ 13,475

6 months ₹ 2,042 / mo
Save 25%
Total ₹ 12,252

3 months ₹ 2,269 / mo
Save 17%
Total ₹ 6,807

1 month ₹ 2,723 / mo
Save 0%
Total ₹ 2,723

To be paid as a one-time payment

Have a referral code?

Proceed to pay

No cost EMI available on 6 months & above subscription plans

24 months ₹ 817 / mo
Save 67%
Total ₹ 21,700 ₹ 19,602

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,123 / mo
Save 54%
Total ₹ 13,477

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,348 / mo
Save 45%
Total ₹ 12,128

6 months ₹ 1,838 / mo
Save 25%
Total ₹ 11,027

3 months ₹ 2,042 / mo
Save 17%
Total ₹ 6,126



After Using
My Referral
Code



GPSIR

Awesome! You get 10% off

Proceed to pay

Legendre's linear differential equation :

A linear differential equation of the form

$$[a_0(a+bx)^2 \frac{d^2y}{dx^2} + a_1(a+bx) \frac{dy}{dx} + a_2y] = X. \quad \dots(1)$$

For solution

We put $a + bx = e^z$ & $z = \log(a + bx)$

$$\frac{dz}{dx} = \frac{b}{a+bx}$$

$$\frac{dy}{dx} = \frac{dy}{dz} \cdot \frac{dz}{dx}$$

$$\Rightarrow \frac{b}{a+bx} \frac{dy}{dz}$$

$$\Rightarrow (a+bx) \frac{dy}{dx} = bDy \text{ where } D = \frac{d}{dz}$$

$$(1+2n)^2 \frac{dy}{dt} + (1+2n) \frac{d^2y}{dt^2} + y = 4c_2 \log(1+2n)$$

$t \cdot 1+2n = t$
 $dt = dn$

$$t^2 \frac{d^2y}{dt^2} + t \frac{dy}{dt} + y = 4c_2 \log t$$

$t^{(D-1)}y + t^2y' - y = 4c_2$

$$(t^2 - t + t + 1)y = 4c_2$$

$(t^2 + 1)y = 4c_2$

$$t^2 + 1 = m$$

$m = t^2$

$$t^2 \frac{dy}{dt} = b(D-1)y, \quad t \frac{dy}{dt} = my$$

$$y = C_1 e^{mt}$$

$$y = C_1 \cos mx + C_2 \sin mx$$

$$y = C_1 \cos(kt) + C_2 \sin(kt) + C_3 t \cos(kt) + C_4 t \sin(kt)$$

$$y = C_1 \log(1m) + C_2 \sin(1m)(1+t) + 2C_3 t \sin(1m) + 2C_4 t \cos(1m) = 2z \sin mx$$

$$y = C_1 \cos mx + C_2 \sin mx$$

$\therefore y = \frac{4c_2}{b^2 m^2} = \frac{4c_2}{b^2 k^2}$

Q.1. Solution $(5+2x)^2 \frac{d^2y}{dx^2} - 6(5+2x) \frac{dy}{dx} + 8y = 0$. $\frac{5+2x=t}{2dx=dt}$ $\left| \begin{array}{l} dx = dt/2 \\ dy/dx = dy/dt \end{array} \right.$

(a) $y(x) = c_1(5+2x) + c_2(5-2x)$

$$t^2 \frac{dy}{dt^2} - 6t \frac{dy}{dt} + 8y = 0$$

(b) $y(x) = c_1(5+2x)^{2+\sqrt{2}} + c_2(5+2x)^{2-\sqrt{2}}$

$$4t^2 \frac{dy}{dt^2} - 12t \frac{dy}{dt} + 8y = 0$$

$t = e^z, z = \ln t$

(c) $y(x) = c_1(2+\sqrt{2})x + c_2(2-\sqrt{2})x$

$$4D(D+1)y - 12Dy + 8y = 0$$

(d) none of these

$$4m^2 - 1(m+8) = 0$$

$$m^2 - 4m - 2 = 0$$

$$y = c_1 e^{(2+r_1)z} + c_2 e^{(2-r_2)z} \quad m = \frac{4 \pm \sqrt{16-8}}{2} = 2 \pm \sqrt{2}$$

$$y = c_1 z^{2+r_1} + c_2 z^{2-r_2}$$

$$T = c_1 (5+2x)^{2+r_1} + c_2 (5+2x)^{2-r_2}$$

Q.2. The general solution

$$\text{Ans. } 1+2^n = k \quad | \quad d^n = \frac{dk}{2}$$

$$(1+2x)^2 y'' - 6(1+2x)y' + 16y = 8(1+2x)^2.$$

(a) $c_1 \cos \{\log(1+x)\} + c_2 \sin \{\log(1+x)\} + 2 \log(1+x) \cdot \sin \{\log(1+x)\}$

$$t^2 \frac{d^2 y}{dt^2} - 6t \frac{dy}{dt} + 16y = 8t^2$$

(b) $\frac{c_1}{x} + \frac{c_2}{x^2} - \frac{\sin x}{x^2}$

$$t^2 \frac{d^2 y}{dt^2} - 12t \frac{dy}{dt} + 14y = 8t^2$$

(c) $\{c_1 + c_2 \log(1+2x)\}(1+2x)^2 + (1+2x)^2 \{\log(1+2x)\}$

$$D(D-1)y - 3Dy + 4y = 2e^{t^2} \quad | \quad m^2 - 4m + 4 = 0$$

(d) None of these

$$(D^2 - 4D + 4)y = 2e^{t^2} \quad | \quad m = 2$$

$$y = (c_1 + c_2 t)e^{t^2} + \frac{2t^2 e^{t^2}}{2}$$

$$y = (c_1 + c_2 t)e^{t^2} + (c_3 t^2 + c_4)$$

$$y = [c_1 + c_2 \log(1+2x)](1+2x)^2 + [(1+c_3(1+2x)^2)(1+2x)^2]$$

Q.3. General solution of

$$\frac{x^2 \frac{d^2y}{dx^2} + x \frac{dy}{dx} + y = 4 \cos \{\log(1+x)\}}{}$$

$$(1+x^2)y'' + (1+x)y' + y = 4 \cos \{\log(1+x)\}$$

- (a) $\frac{c_1}{x} + \frac{c_2}{x^2} - \frac{\sin x}{x^2}$
- (b) $\underline{\cos \{\log(1+x)\}} + c_2 \sin \{\log(1+x)\} + 2 \log(1-x) \cdot \sin \{\log(1+x)\}$
- (c) $\{c_1 + c_2 \log(1+2x)\}(1+2x)^2 + \cancel{(1+2x)^2} \{\log(1+2x)\}$
- (d) None of these

Second Order Variable Coefficient Differential Equation

$$\frac{d^2y}{dx^2} + P \frac{dy}{dx} + Qy = R$$

When One Part of CF is known

The given differential equation is of the forms

$$\frac{d^2y}{dx^2} + P \frac{dy}{dx} + Qy = R \quad \dots (1)$$

Where P, Q, R are as function of x alone

Suppose $y = u$ be a known integral of CF

Now let CS is

$$y = u v$$

Then v can be found by solution of equation

$$\frac{d^2v}{dx^2} + \left(P + \frac{2}{u} \frac{du}{dx} \right) \frac{dv}{dx} = \frac{R}{u}$$

$$P + Q = 0$$

$$u = e^{\lambda x}$$

$$P + Q = 0$$

$$u = e^{-\lambda x}$$

$$P + Q = 0$$

$$Q = -n$$

$$T = h x$$

$$\frac{d^2v}{dx^2} + \left(P + \frac{2}{u} \frac{du}{dx} \right) \frac{dv}{dx} = \frac{R}{u}$$

TARGETED AUDIENCE

- IIT-JAM
- M.Sc. Entrance Exam

COMPLETE COURSE ON

MATHEMATICS

FOR IIT-JAM 2022

TOPICS TO BE COVERED

- REAL ANALYSIS
- FUNCTION OF ONE & TWO VARIABLE
- LINEAR ALGEBRA
- MODERN ALGEBRA

TOPICS TO BE COVERED

- SEQUENCE & SERIES
- INTEGRAL CALCULUS
- VECTOR CALCULUS
- DIFFERENTIAL EQUATION

FEE DETAILS FOR IIT JAM SUBSCRIPTION

No cost EMI available on 6 months & above subscription plans

24 months ₹ 908 / mo
Save 67%
Total ₹ 21,780

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,248 / mo
Save 54%
Total ₹ 14,974

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,497 / mo
Save 45%
Total ₹ 13,475

6 months ₹ 2,042 / mo
Save 25%
Total ₹ 12,252

3 months ₹ 2,269 / mo
Save 17%
Total ₹ 6,807

1 month ₹ 2,723 / mo
Save 0%
Total ₹ 2,723

To be paid as a one-time payment

Have a referral code?

Proceed to pay

No cost EMI available on 6 months & above subscription plans

24 months ₹ 817 / mo
Save 67%
Total ₹ 21,700 ₹ 19,602

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,123 / mo
Save 54%
Total ₹ 13,477

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,348 / mo
Save 45%
Total ₹ 12,128

6 months ₹ 1,838 / mo
Save 25%
Total ₹ 11,027

3 months ₹ 2,042 / mo
Save 17%
Total ₹ 6,126



After Using
My Referral
Code



GPSIR

Awesome! You get 10% off

Proceed to pay

**FOUNDATION COURSE OF
MATHEMATICS
FOR CSIR-NET**

Rules for finding the one part of C.F

	Condition	An integral of CF
1	$P + Qx = 0$	$y = x$
2	$1 + 2Px + Qx^2 = 0$	$y = x^2$
3	$m(m-1) + Pmx + Qx^2 = 0$	$y = x^m$
4	$1 + P + Q = 0$	$y = e^x$
5	$1 - P + Q = 0$	$y = e^{-x}$
6	$m^2 + mP + Q = 0$	$y = e^{mx}$

$$\frac{y^2 dy}{d\gamma} - 2\gamma(1+\gamma)\frac{dy}{d\gamma} + 2(1-\gamma)y = \gamma^3$$

$$1 \cdot \frac{dy}{d\gamma} - \frac{2(1+\gamma)}{\gamma} \frac{dy}{d\gamma} + \frac{2(1-\gamma)}{\gamma} y = \gamma$$

$$y = uv = \gamma v$$

$$(v^2 - v) v = 1$$

$$\frac{dv}{d\gamma} + (p + \frac{2}{\gamma} \frac{dy}{d\gamma}) \frac{dv}{d\gamma} = \frac{1}{\gamma} \quad \text{if } v = c_1 + c_2 e^{2\gamma}$$

$$p = \frac{c_2 \gamma}{e^{2\gamma}} = \frac{c_2 \gamma}{e^{2\gamma}} = \frac{c_2 \gamma}{e^{2\gamma}} = \frac{c_2 \gamma}{e^{2\gamma}}$$

$$\frac{dv}{d\gamma} + \left[-\frac{2(1+\gamma)}{\gamma} + \frac{2}{\gamma} \right] \frac{dv}{d\gamma} = \frac{1}{\gamma}$$

$$\frac{dv}{d\gamma} + \left(-\frac{2}{\gamma} - 2 + \frac{2}{\gamma} \right) \frac{dv}{d\gamma} = 1$$

$$\frac{dv}{d\gamma} - 2 \frac{dv}{d\gamma} = 1$$

$$p = \frac{-2(1+\gamma)}{\gamma}, q = \frac{2(1+\gamma)}{\gamma}$$

$$p + q\gamma = 0$$

$$\begin{aligned} m^2 - m &= 0 \\ m &= 0, 1 \end{aligned}$$

$$v = -\gamma$$

$$v = c_1 + c_2 e^{-2\gamma} - \gamma$$

$$y = v(c_1 + c_2 e^{-2\gamma} - \gamma)$$

b - R

Q4. Given that $y(x) = x$ is a solution of differential equation

$$(1+x^2)y'' - 2xy' + 2y = 0, x > 0$$

Find second linearly independent solution

(a) $(x^2 - 1)$

(b) $\frac{1}{x}$

(c) e^x

(d) e^{-x}

$$y = x^2 - 1$$

$$y' = 2x$$

$$y'' = 2$$

$$2(1+x^2) - 2x(2x) + 2(x^2 - 1)$$

$$\cancel{2} \cancel{+} \cancel{2x^2} - \cancel{4x^2} + \cancel{2x^2} - \cancel{2} = 0$$

Q5. Let $y = e^x$ be a solution of $x \frac{d^2y}{dx^2} - \frac{dy}{dx} + (1-x)y = 0$.

$$\frac{d^2y}{dx^2} - \frac{1}{x} \frac{dy}{dx} + 1 - \frac{1}{x} y = 0$$

Then the second linearly independent solution of this ordinary differential equation is $y = C_1 \left(\frac{x^2 - 1}{2} e^{-x} \right) + C_2$

$$\begin{aligned} 1 + p + q &= 0 \\ 1 - \frac{1}{x} + \frac{1}{x} - 1 &= 0 \\ y &= uv \\ y &= e^{nx} v \end{aligned}$$

- (a) $xe^{-2x} + \frac{1}{2}$ ~~$e^{2x} \frac{e^{-2x}}{4} (x + \frac{1}{2})$~~
 (b) $\frac{1}{2} \left(x - \frac{1}{2} \right) e^{-x}$
 (c) $\frac{1}{2} \left(x + \frac{1}{2} \right) e^{-2x}$ ~~$\frac{1}{2} (n+1)y(0) e^{-2x} - \frac{1}{2}$~~

$$\begin{aligned} \frac{d^2w}{dx^2} + \left(p + \frac{2}{n} \frac{\partial w}{\partial n} \right) \frac{\partial v}{\partial n} &= 0 \\ \frac{dw}{dn} + \left(-\frac{1}{n} + \frac{2}{n} e^{-x} \right) \frac{\partial v}{\partial n} &= 0 \\ \frac{dw}{dx} + \left(2 - \frac{1}{n} \right) \frac{\partial v}{\partial x} &= 0 \\ \int dv = \int \left(2 - \frac{1}{n} \right) e^{2x} dx + C &= \int \left(2 - \frac{1}{n} \right) e^{2x} dx + C \\ v = 4 \left(\frac{x e^{2x}}{2} - \frac{e^{2x}}{4} \right) + C_2 & \end{aligned}$$

$$\begin{aligned} \frac{d^2z}{dn^2} + (2 - \frac{1}{n}) z &= 0 \\ \text{If } F = \int (2 - \frac{1}{n}) dx &= 2n - 1/n \\ z \cdot \frac{e^{2n}}{n} &= \int \frac{e^{2n}}{n} \cdot 0 dx + C \\ z \frac{e^{2n}}{n} &= C \\ z &= C n e^{2n} \\ \frac{dv}{dn} &= C n e^{2n} \end{aligned}$$

Q.6. If $y = x^2$ is a solution of the differential equation

$$y'' - \left(\frac{2}{x^2} + \frac{2}{x} \right) (xy' - y) = 0, \quad 0 < x < \infty,$$
 then its general

solution is

(a) $\alpha x^2 \int x^{-2} e^x dx + \beta$

(b) $\alpha x^{-2} \int x^2 e^x dx + \beta$

(c) $\alpha x^2 \int x^2 e^x dx + \beta$

(d) None of these

$$\frac{d^2y}{dx^2} + P \frac{dy}{dx} + Qy = R$$

$$T = Q - \frac{1}{2} \frac{dP}{dx} - \frac{P^2}{4} = \text{const.}$$

$$\text{Param-d } u = e^{-\frac{1}{2} \int P dx}$$

$$v = bu$$

$$\frac{dv}{dx} + T v = Ry$$

$$\frac{d^2y}{dx^2} - 2 \tan \frac{dx}{dt} - y = 0$$

Part d - $y = e^{-\frac{1}{2} \int \tan dx}$

$$y = e^{-\frac{1}{2} \int -2 \tan dx}$$

$$= e^{\int \tan dx}$$

$$= e^{\log \tan} = \tan$$

$$y = \tan v = \frac{\sin(v)}{\cos(v)}$$

$$\frac{dy}{dx} + I v = R_2 = 1 \quad \frac{1}{\cos v} = 0$$

$$\frac{dv}{dx} = 1$$

$$v = \tan x$$

$$P = -2 \tan v, \quad Q = -1, \quad R = 0$$

$$I = Q - \frac{1}{2} \frac{dP}{dx} - \sqrt{Q}$$

$$= -1 - \frac{1}{2} (-2) \frac{-1}{\tan} - \frac{4 \tan x}{4}$$

$$= -1 + \frac{\sec^2 x - \tan x}{\tan x}$$

$$= -1 + 1 = 0$$



Unacademy Unlock

20% off* on IIT JAM subscriptions

August 22 - 26

Duration	Current Price	What you pay	What you Save
24 Months	₹ 21,780	₹ 17,424	₹ 4,356 (20%)
12 Months	₹ 14,974	₹ 11,979	₹ 2,995 (20%)
9 Months	₹ 13,475	₹ 10,780	₹ 2,695 (20%)
6 Months	₹ 12,252	₹ 9,802	₹ 2,450 (20%)
3 Months	₹ 6,807	₹ 5,446	₹ 1,361 (20%)

Plus

Subscribe Now

Use code GPSIR

For more details, contact: 8585858585.

*T&C apply, as available on the platform.

20



DETAILED COURSE 2.0

LINEAR ALGEBRA FOR IIT JAM 2023

8th SEPTEMBER

Gajendra Purohit

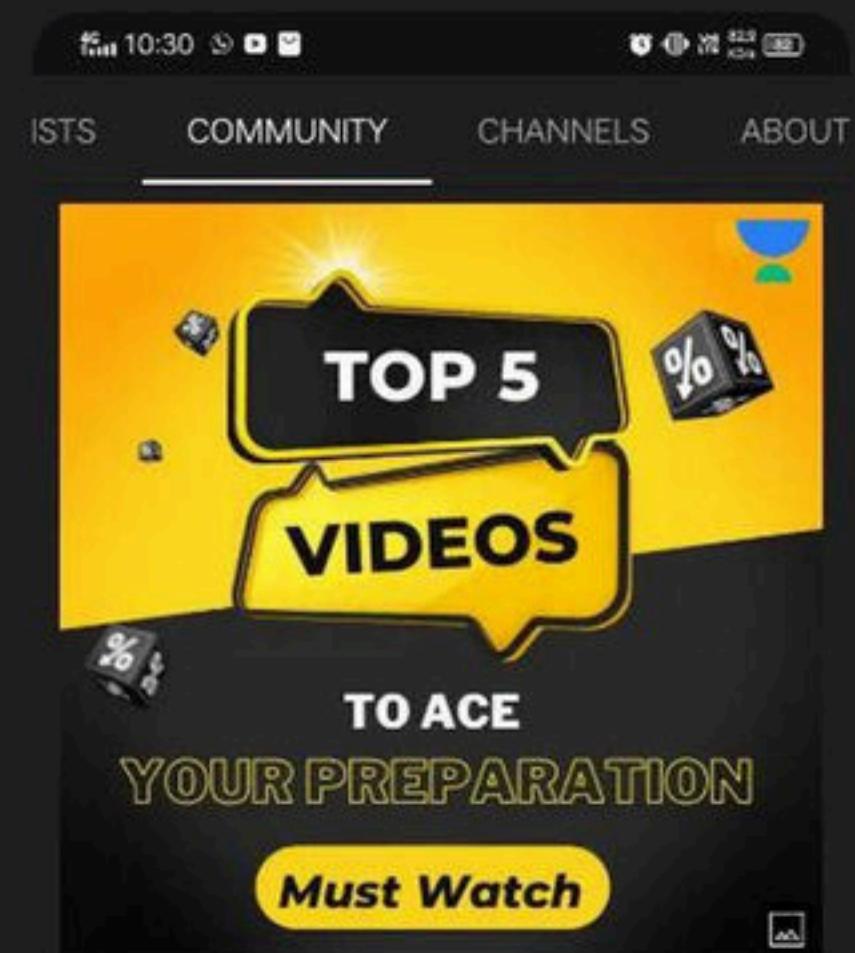
Enroll Now

USE CODE
GPSIR
FOR 10% OFF



▲ 2 • Asked by Millan

Please help me with this doubt



Preparing for CSIR NET Exams? Watch the best lectures of our top educators to excel in the Exam!

1. Improper Integral and Its Convergence :

<https://www.youtube.com/watch?v=7WoMx>

...

2. Basics of Cell Signaling-Part 1 | Life Sciences :

<https://www.youtube.com/watch?v=cMo8O>.



RANK BOOSTER COURSE UNIT 2 CSIR NET 2022

23rd AUGUST

Gajendra Purohit

Enroll Now

USE CODE
GPSIR
FOR 10% OFF



Unacademy Unlock

20% off* on CSIR UGC NET subscriptions

August 22 - 26

	Duration	Current Price	What you pay	What you Save
Plus	24 Months	₹ 23,100	₹ 18,480	₹ 4,620 (20%)
	12 Months	₹ 16,748	₹ 13,398	₹ 3,350 (20%)
	6 Months	₹ 13,398	₹ 10,718	₹ 2,680 (20%)
Iconic	24 Months	₹ 52,975	₹ 42,380	₹ 10,595 (20%)
	12 Months	₹ 30,780	₹ 24,624	₹ 6,156 (20%)
	6 Months	₹ 21,540	₹ 17,232	₹ 4,308 (20%)

Subscribe Now

Use code _____

*T&C apply, as available on the platform.

20

Educator Profile



Gajendra Purohit

#5 Educator in CSIR-UGC NET

[Follow](#)

Dr.Gajendra Purohit PhD, CSIR NET (Maths) | Youtuber(330K+30k Sub.)/Dr.Gajendra Purohit (Maths), 17+ Yr. Experience, Author of Bestseller

11M Watch mins

1M Watch mins (last 30 days)

22k Followers

1k Dedications



CSIR-UGC NET

[SEE ALL](#)

HINDI MATHEMATICAL SCIENCES

Course on Linear Algebra, Partial Diff. Equation & Calculus

Starts on Mar 1, 2021 • 24 lessons

Gajendra Purohit

HINDI MATHEMATICAL SCIENCES

Course on Complex Analysis & Integral Equation

Starts on Jan 14, 2021 • 16 lessons

Gajendra Purohit

HINDI MATHEMATICAL SCIENCES

Foundation Course on Mathematics for CSIR 2021

Starts on Dec 7, 2020 • 20 lessons

Gajendra Purohit

Educator highlights

- 📍 Works at Pacific Science College
- 📍 Studied at M.Sc., NET, PhD(Algebra), MBA(Finance), BEd
- 📍 PhD, NET | Plus Educator For CSIR NET | Youtuber (260K+Subs.) | Director Pacific Science College |
- 📍 Lives in Udaipur, Rajasthan, India
- 📍 Unacademy Educator since

FEE DETAILS FOR IIT JAM SUBSCRIPTION

No cost EMI available on 6 months & above subscription plans

24 months ₹ 908 / mo
Save 67%
Total ₹ 21,780

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,248 / mo
Save 54%
Total ₹ 14,974

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,497 / mo
Save 45%
Total ₹ 13,475

6 months ₹ 2,042 / mo
Save 25%
Total ₹ 12,252

3 months ₹ 2,269 / mo
Save 17%
Total ₹ 6,807

1 month ₹ 2,723 / mo
Save 0%
Total ₹ 2,723

To be paid as a one-time payment

Have a referral code?

Proceed to pay

No cost EMI available on 6 months & above subscription plans

24 months ₹ 817 / mo
Save 67%
Total ₹ 21,700 ₹ 19,602

You get 6 months extra for free Offer expires 15 Jun 2022

✓ 12 months ₹ 1,123 / mo
Save 54%
Total ₹ 13,477

You get 6 months extra for free Offer expires 15 Jun 2022

9 months ₹ 1,348 / mo
Save 45%
Total ₹ 12,128

6 months ₹ 1,838 / mo
Save 25%
Total ₹ 11,027

3 months ₹ 2,042 / mo
Save 17%
Total ₹ 6,126



After Using
My Referral
Code



GPSIR

Awesome! You get 10% off

Proceed to pay

THANK YOU VERY MUCH EVERYONE

GET THE UNACADEMY PLUS SUBSCRIPTION SOON.

TO GET 10% DISCOUNT IN TOTAL SUBSCRIPTION AMOUNT

USE REFERRAL CODE: GPSIR