



PG ENTRANCE COACHING
For
M.Sc., (MATHEMATICS)

Date: 05-Apr-2019 To 04 -May-2019

Time: 9:30 am to 12:30 Pm

Organized by

CAREER GUIDANCE & PLACEMENT CELL
2018–2019

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About Programme

The Career Guidance and Placement Cell at Sir CR Reddy College for Women organized PG entrance coaching classes in Mathematics. These classes were conducted by senior faculty members who specialize in the respective subjects at the college.

Program: PG Entrance Coaching for Mathematics

Subjects Covered:

- M.Sc. (Mathematics)

Target Audience:

- III B.Sc. students aspiring for postgraduate studies (M.Sc.)

Duration:

- April 5th, 2019, to May 4th, 2019 (30 days)

Time:

- 9:30 AM to 12:30 PM (Morning sessions)

Resource Persons:

Mrs.V.D.Ratna Kumari(HOD) &

Mrs M.B.Rajya Lakshmi

Organized By:

- Career Guidance and Placement Cell at Sir CR Reddy College for Women

Program Overview:

- Specifically designed coaching program focusing on NANNAYACET 2019 for M.Sc. aspirants.
- Conducted by seasoned faculty members from Sir CR Reddy College, each specializing in Mathematics.
- Comprehensive curriculum comprising subject-specific lectures, problem-solving sessions, practice tests, and exam strategy workshops.
- Tailored content to acquaint students with the NANNAYACET exam pattern, syllabi, and effective preparation methodologies.

Benefits for III B.Sc. Students:

- Early guidance and preparation assistance for M.Sc. entrance exams.
- Exposure to exam patterns, aiding in better preparedness.

- Access to experienced faculty for subject-specific guidance and doubt resolution.
- Enhanced readiness for M.Sc. studies by initiating preparation in advance.

This coaching program aims to support B.Sc. students in their aspirations for pursuing postgraduate studies by providing structured coaching specifically aligned with the requirements of the NANNAYACET 2019 examination.

Learning Objectives and Learning Outcomes

Learning Objectives:

1. **Subject Mastery:** To facilitate a comprehensive understanding of the core concepts and subject-specific knowledge required for M.Sc. entrance exams.
2. **Exam Familiarity:** To familiarize students with the exam pattern, question types, and syllabi specific to NANNAYACET 2019.
3. **Problem-Solving Skills:** To enhance problem-solving abilities and critical thinking necessary to tackle complex questions in the entrance exams.
4. **Time Management:** To equip students with effective time management strategies for the exam and optimize their performance within the stipulated time frame.
5. **Exam Strategy:** To provide guidance on effective exam strategies, including question selection, prioritization, and efficient answering techniques.

Expected Outcomes:

1. **Strong Foundation:** Students are expected to build a strong foundational understanding of their respective subjects, providing a basis for advanced studies.
2. **Improved Performance:** Enhanced problem-solving skills and a better grasp of exam patterns can result in improved performance in mock tests and the actual entrance exam.
3. **Confidence:** Through regular practice and guidance, students are likely to gain confidence in handling diverse questions and scenarios during the examination.
4. **Effective Preparation:** Students should be better prepared to face the challenges of the entrance exams by utilizing learned strategies and subject-specific knowledge.
5. **Readiness for Postgraduate Studies:** The coaching program aims to prepare students adequately for the rigors of postgraduate studies in their chosen fields.

Permission Letter

Permission Letter

18-03-2019
Eluru

To
The Principal
Sir C.R.Reddy College for Women
Eluru

Subject: Request to grant permission to conduct P.G Entrance Test Coaching Classes to final year students.

This is to bring to your kind notice that, Career Guidance and Placement Cell is planning to conduct P.G Entrance test Coaching Classes for interested III B.Sc/B.Com students specializing life Sciences, Mathematics, Physics, Chemistry, Commerce .

The coaching classes aim is to provide additional support and guidance to our ambitious students who aspire to excel in their respective fields and we believe that providing coaching classes with in our college will not only benefit our students but also contribute to the overall academic excellence of our institution. These classes will be conducted for about 30 days i.e., from 5th April 2019 to 4th May 2019. The duration of these classes will be from 9:30 am to 12:30 pm. I kindly request your approval for this initiative, as it aligns with our commitment to fostering academic excellence and preparing our students for successful futures.

Thanking you Madam,

Permitted
[Signature]
Principal
Sir C.R.Reddy College for Women
ELURU

Yours Faithfully

[Signature]
(Coordinator)

Career Guidance and Placement Cell

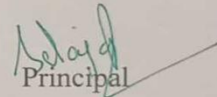
Notice to Students

NOTICE

19-03-2019

This is to inform you all that Career Guidance and placement Cell arranged P.G Entrance Test Coaching Classes for interested III B.Sc/B.Com students specializing life Sciences, Mathematics, Physics, Chemistry, Commerce. These Classes will be held within the college at Seminar Hall from 5th April 2019 to 4th May 2019 running from 9:30 AM to 12:30 PM. This initiative aims to enhance your preparation for P G Entrance Test offering personalized guidance to help you excel in the examination. These sessions will provide valuable insights and guidance.

We encourage all interested candidates to attend and take advantage of this valuable opportunity.


Principal

Principal
Sir G.R.Reddy College for Women
ELURU

Course Structure

- Differential equations of first order and first degree
- Differential equations of first order but not of first degree
- Higher order linear differential equations
- Differentiation and Integration
- System of linear differential equations
- Groups
- Rings
- Real Numbers
- Linear Algebra
- Multiple Integral and Vector calculus

1. DIFFERENTIAL EQUATIONS

STUDY MATERIAL

★ **Differential equation:** An equation involving differentials or one dependent variable and its derivatives with respect to one or more independent variables is called a differential equation.

★ **Ordinary differential equation:** A differential equation is said to be ordinary if the derivatives in the equation have reference to only a single independent variable.

Ex: 1. $\left(\frac{dy}{dx}\right)^3 - 4\left(\frac{dy}{dx}\right)^2 + 7y = \cos x$

2. $\frac{d^2y}{dx^2} + 5x\left(\frac{dy}{dx}\right)^2 - 6y = \log x$

★ The general form of an ordinary differential n is

$$F(x, y, \frac{dy}{dx}, \frac{d^2y}{dx^2}, \dots, \frac{d^ny}{dx^n}) = 0$$

$$F(x, y, y^1, y^2, \dots, y^n) = 0$$

★ **Partial differential equation:** A differential equation is said to be partial if the derivatives in the equation have reference to two or more independent variables.

Ex: 1. $(y+z)\frac{\partial z}{\partial x} + (z+x)\frac{\partial z}{\partial y} = x + y$

2. $4\frac{\partial^2 u}{\partial x^2} + 2\frac{\partial^2 u}{\partial x \partial y} + \frac{\partial^2 u}{\partial y^2} = x - y$

★ **Order of a differential equation:** A differential equation is said to be of order n, if the nth derivative is the highest derivative in that equation.

★ **Degree of a differential equation:**

Let $F(x, y, y^1, \dots, y^n) = 0$ be a differential equation of order n. If the given differential equation is a polynomial in y^n , then the highest degree of $y^{(n)}$ is defined as the degree of the differential equation.

Ex: a $\frac{d^2y}{dx^2} = \left[1 + \left(\frac{dy}{dx}\right)^2\right]^{\frac{3}{2}}$

The order and degree of this equation is 2.

★ **General Solution of a differential equation:**

Let $F(x, y, y^{(1)}, y^{(2)}, \dots, y^{(n)}) = 0$ be a differential equation of order n. If $\phi(x, y, c_1, c_2, \dots, c_n) = 0$

where c_1, c_2, \dots, c_n are n independent arbitrary constants, is a solution of the given differential equation, then it is called the general solution of the given differential equation.

★ **Particular solution of a differential equation:**

The solution obtained by giving particular values to arbitrary constants in the general solution of the differential equation $F(x, y, y^{(1)}, \dots, y^{(n)}) = 0$ is called a particular solution of given differential equation.

★ **Singular solution of a differential equation:**

An equation $\psi(x, y) = 0$ is called singular solution of the differential equation $F(x, y, y^{(1)}, \dots, y^{(n)}) = 0$ if

- i. $\psi(x, y) = 0$ is a solution of the given differential equation.
- ii. $\psi(x, y) = 0$ does not contain arbitrary constant and
- iii. $\psi(x, y) = 0$ is not obtained by giving particular values to arbitrary constants in the general solution.

★ An equation of the form $\frac{dy}{dx} = f(x, y)$ is called a differential equation of the first order and of the first degree.

★ The following four methods for solving $\frac{dy}{dx} = f(x, y)$

- i. Variable separable
- ii. Homogeneous equations and equations reducible to homogenous form.
- iii. Exact equations and which can be made exact by the use of integrating factors
- iv. Linear equations and Bernoulli's form.

★ **Existence and uniqueness theorem:** Let S

denote the rectangular region defined by $|x - x_0| \leq a$ and $|y - y_0| \leq b$, a region with the point (x_0, y_0) as its centre. If $f(x, y)$ and $\frac{\partial f}{\partial y}$ are continuous functions of x and y in a region S of the xy-plane and if $P(x_0, y_0) \in S$, then there exists one and only one function say $\phi(x)$, which in some neighbourhood of P, is

OBJECTIVE BITS

1. The degree of $\left\{ \frac{d^2y}{dx^2} + \left(\frac{dy}{dx} \right)^2 \right\}^{\frac{3}{2}} = \frac{d^2y}{dx^2}$
 1. 3 2. 2 3. 1 4. $\frac{3}{2}$

2. The order and degree of the $\left(\frac{d^3y}{dx^3} \right)^{\frac{1}{2}} - 2 \left(\frac{dy}{dx} \right)^{\frac{1}{4}} + xy = 0$ respectively are
 1. 3, 4 2. 4, 3 3. 3, 5 4. 3, 2

3. The degree of $y = \sin \left(\frac{dy}{dx} \right)$
 1. 1 2. 2
 3. 3 4. not defined

4. The differential equation for the solution $y = e^x$ (A cos 2x + B sin 2x) is
 1. $y'' + y' + 5y = 0$ 2. $y'' - 2y' + 5y = 0$
 3. $y'' + 2y' - 5y = 0$ 4. None of these

5. The degree of the differential equation which has the solution $y = Ae^x + Be^{-2x} + Ce^{3x}$
 1. 1 2. 2
 3. 3 4. None of these

6. The differential equation of straight lines on xy plane is
 1. $\frac{d^2y}{dx^2} + \frac{dy}{dx} = 0$ 2. $\frac{d^2y}{dx^2} - \frac{dy}{dx} = 0$
 3. $\frac{dy}{dx} = 0$ 4. $\frac{d^2y}{dx^2} = 0$

7. The differential equation straight lines which are passing through origin on xy plane.
 1. $y = x \frac{dy}{dx}$ 2. $y = \frac{dy}{dx}$
 3. $y + x \frac{dy}{dx}$ 4. None of these

8. The general solution of $\frac{dy}{dx} = \sqrt{\frac{1-y^2}{1-x^2}}$ is
 1. $\sin^{-1}x - \sin^{-1}y = c$ 2. $\sin^{-1}x + \sin^{-1}y = c$
 3. $\sin h^{-1}x + \sin h^{-1}y = c$ 4. $\sin h^{-1}x - \sin h^{-1}y = c$

9. The solution of $\frac{dy}{dx} = \frac{f(x)}{(x+y)^2} - 1$ is
 1. $(x+y)^2 = 3 \int f(x) dx + c$ 2. $(x+y)^3 = 3 \int f(x) dx + c$
 3. $(x+y)^3 = \int f(x) dx + c$ 4. None of these

10. The solution of $x \cos^2y dx + \tan y dy = 0$ is
 1. $-x^2 + \tan^2y = c^2$ 2. $x^2 - \tan^2y = c^2$
 3. $x^2 + \tan^2y = c^2$ 4. None of these

11. The solution of the differential equation is $\frac{dy}{dx} = (4x+y+1)^2$
 1. $4x+y+1 = 2 \tan(2x+c)$ 2. $4x+y+1 = \tan(2x+c)$
 3. $4x+y+1 = 2 \tan(x+c)$ 4. None of these

12. The solution of differential equation $(2x^2+x) \frac{dy}{dx} = 1+2x$ at $y=2, x=1$ is
 1. $y = \log x - 2$ 2. $y = \log x + 4$
 3. $y = \log x + 3$ 4. None of these

13. The solution of $(e^y+1) \cos x dx + e^y \sin x dy = 0$ is
 1. $(1+e^y) \sin x = c$ 2. $(1+e^y) \cos x = c$
 3. $(1-e^y) \sin x = c$ 4. $(1-e^y) \cos x = c$

14. The solution of the equation $y \frac{dy}{dx} = xe^{x^2+y^2}$
 1. $e^x + e^y = c$ 2. $e^x - e^y = c$
 3. $e^{x^2} + e^{y^2}$ 4. None of these

15. The degree of homogeneous function $\frac{\sqrt[3]{x} + \sqrt[3]{y}}{x+y}$ is
 1. 3 2. 2 3. $-\frac{2}{3}$ 4. $-\frac{3}{2}$

16. The solution of the equation $xdy - ydx = (\sqrt{x^2+y^2}) dx$
 1. $y - \sqrt{x^2+y^2} = cx$ 2. $y + \sqrt{x^2+y^2} = cx$
 3. $y - \sqrt{x^2+y^2} = cx^2$ 4. $y + \sqrt{x^2+y^2} = cx^2$

17. The solution of the equation $\frac{dy}{dx} = \frac{y}{x + ye^{\frac{2x}{y}}}$
 1. $\log c^2x^2 = \exp(2x/y)$ 2. $2(c + \log y) = \exp(x/y)$
 3. $2(c + \log y) = \exp(x/2y)$ 4. None of these

18. The solution of the equation $\frac{dy}{dx} = \frac{y}{x} + \tan \frac{y}{x}$ is
 1. $e^{x/y} \log(cx+1)$ 2. $e^{y/x} \log(cx+1) = 0$
 3. $e^{x/y} \log(cx+1) = 0$ 4. None of these

19. Substitution to solve the equation $y^2 dy = x(x dy - y dx) e^{x/y}$ is
 1. $x = vy$ 2. $y = vx$
 3. 1 or 2 4. None of these

20. The nature of differential equation $(x+y-1) \frac{dy}{dx} = x-y+3$ is
 1. Homogeneous equation
 2. Heterogeneous equation
 3. Exact equation
 4. Legendre equation

2. THREE DIMENSIONAL GEOMETRY

STUDY MATERIAL

★ Let $P = (x, y, z)$ and $OP(x, y, z)$ any two points. The length or magnitude or norm or modulus of the vector $OP = |\vec{OP}| = \sqrt{x^2 + y^2 + z^2}$

★ Distance between two points (x_1, y_1, z_1) and (x_2, y_2, z_2) is $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2}$

★ **Unit vector:** If A, B and $A \neq B$ are points, then $\frac{\vec{AB}}{|\vec{AB}|}$ is the unit vector along \vec{AB} in the direction from A to B .

★ If $A = (x_1, y_1, z_1), B = (x_2, y_2, z_2)$ then the unit vector along \vec{AB} in the direction from A to B is
$$= \frac{(x_2 - x_1, y_2 - y_1, z_2 - z_1)}{\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2}}$$

★ If $P = a = (a_1, b_1, c_1), Q = b = (a_2, b_2, c_2), P \neq Q \neq 0$ and $(\vec{OP}, \vec{OQ}) = (a, b) = \theta$ then
$$\cos \theta = \frac{a \cdot b}{|a| |b|} = \frac{a_1 a_2 + b_1 b_2 + c_1 c_2}{\sqrt{(a_1^2 + b_1^2 + c_1^2)} \sqrt{(a_2^2 + b_2^2 + c_2^2)}}$$

If a, b are parallel vectors then

$$a_1 : b_1 : c_1 = a_2 : b_2 : c_2 \text{ (or) } a_1 = b_1 : b_2 = c_1 : c_2$$

If a, b are perpendicular vectors $\Leftrightarrow a \cdot b = 0$

$$\Leftrightarrow a_1 a_2 + b_1 b_2 + c_1 c_2 = 0$$

★ Projection of b on a ($a \neq 0$) is $-b \cdot e$ where e is $\frac{b \cdot a}{|a|}$ the unit vector in the direction of a .

★ If a, b are two non-zero or non parallel vectors then $a \times b = |a| |b| n$ where n is a unit vector perpendicular to the plane containing a, b so that a, b, n form a right handed system.

★ If $P = a = (a_1, b_1, c_1), Q = b = (a_2, b_2, c_2) (P \neq Q \neq 0)$ and $(\vec{OP}, \vec{OQ}) = (a, b) = \theta$ then

$$\sin \theta = \frac{|a \times b|}{|a| |b|} = \frac{|(b_1 c_2 - b_2 c_1, c_1 a_2 - c_2 a_1, a_1 b_2 - a_2 b_1)|}{\sqrt{(a_1^2 + b_1^2 + c_1^2)} \sqrt{(a_2^2 + b_2^2 + c_2^2)}}$$

★ If ABC is a triangle = then the area of ΔABC

$$= \frac{1}{2} |\vec{AB} \times \vec{AC}| \text{ Square units}$$

Area of $\Delta ABC = 0 \Leftrightarrow A, B, C$ are collinear

★ A, B, C, D are coplanar points. If $ABCD$ is a parallelogram then the area of the parallelogram.

$$= |\vec{AB} \times \vec{AD}| \text{ or } \frac{1}{2} |\vec{AC} \times \vec{BD}| \text{ Square units}$$

★ If $ABCD$ is a quadrilateral Then the area of the quadrilateral = $\frac{1}{2} |\vec{AC} \times \vec{BD}|$ Square units

★ a, b, c are three non-coplanar vectors. If V is the volume of the parallelepiped with adjacent sides a, b, c then $V = |(a \cdot b \cdot c)|$ cubic units. If V is the volume of the tetrahedron with adjacent sides a, b, c then $V = \frac{1}{6} |abc|$ cubic units. If any two of a, b, c are parallel $(a, b, c) = 0$.

★ a, b, c are three non-zero, non-parallel vectors a, b, c are coplanar $\Leftrightarrow (a, b, c) = 0$.

★ A, B are two distinct points. Distance of P from

$$\vec{AB} = \frac{|\vec{AP} \times \vec{AB}|}{|\vec{AB}|}$$

★ If $A = (x_1, y_1, z_1), B = (x_2, y_2, z_2)$ and P is a point dividing the line segment AB in the ratio $\lambda_1 : \lambda_2 (\lambda_1 + \lambda_2 \neq 0)$ then

$$P = \left[\frac{\lambda_2 x_1 + \lambda_1 x_2}{\lambda_1 + \lambda_2}, \frac{\lambda_2 y_1 + \lambda_1 y_2}{\lambda_1 + \lambda_2}, \frac{\lambda_2 z_1 + \lambda_1 z_2}{\lambda_1 + \lambda_2} \right]$$

★ If $(x_r, y_r, z_r) r = 1, 2, 3$ are the vertices of a triangle then its medians are concurrent and the point of concurrence trisects any median of the triangle.

★ If $A = (x_1, y_1, z_1), B = (x_2, y_2, z_2), C = (x_3, y_3, z_3), D = (x_4, y_4, z_4)$ are the vertices of the tetrahedron. $ABCD$ then the line segments joining the vertices to their respective centroids of opposite faces are concurrent and the point of concurrence divides each line segment in the ratio 3:1.

★ If l, m, n are d.c.s. of a line, then $l^2 + m^2 + n^2 = 1$.

★ If $P = (x_1, y_1, z_1), Q = (x_2, y_2, z_2)$ then $x_2 - x_1, y_2 - y_1, z_2 - z_1$ are d.r.s of \vec{PQ} .

★ If \vec{AB} is a ray with d.c.s. l, m, n and $P = (x_1, y_1, z_1), Q = (x_2, y_2, z_2)$ are two points then the projection of \vec{PQ} on \vec{AB} the direction AB is $(x_2 - x_1)l + (y_2 - y_1)m + (z_2 - z_1)n$.

3. REAL NUMBERS, SEQUENCES AND SERIES

STUDY MATERIAL

- ★ **Set:** A group of well defined objects is called a set.
- ★ **Finite Set:** If elements of a set are in finite then it is called finite set.
- ★ **Infinite Set:** If the elements of a set are infinite, then it is called Infinite Set.
- ★ Real numbers as undefined elements satisfying
 - i. Field axioms
 - ii. Order axioms
 - iii. Complete axiom and define Natural numbers, Integers, Rational and Irrational numbers.
- ★ **The Field axioms:** The set of Real numbers R is a field with two binary operations called addition (+) and multiplication (\cdot).
- ★ **The order axioms:** The order relation ($>$) defined for pairs of real numbers satisfies the following axioms.
 - i. For $a, b \in R$, one and only one of the following is true $a > b$, $a = b$, $b > a$ (Law of trichotomy).
 - ii. For $a, b, c \in R$ $a > b$, $b > c \Rightarrow a > c$ (Transitivity).
 - iii. For $a, b, c \in R$, $a > b \Rightarrow a + c > b + c$ (Monotone property for addition).
 - iv. For $a, b, c \in R$, $a > b$, $c > 0 \Rightarrow ac > bc$ (Monotone property for multiplication)
- ★ The relation $>$ satisfying the above axioms is called a linear order. In view of above four axioms in R , R is called a linearly ordered field.
- ★ **Inductive Set:** If 'A' is a subset of R such that
 - i. $1 \in A$
 - ii. $p \in A \Rightarrow p+1 \in A$ then 'A' is called an Inductive Set.
- ★ The Set of natural numbers is the smallest inductive set. If $A \subset N$ and A is an Inductive set then $A = N$.
- ★ **Principle of Mathematical Induction:** If a statement $p(n)$ of natural numbers is such that
 - i. $p(1)$ is true and
 - ii. $p(m)$ is true $\Rightarrow p(m+1)$ is true, then $p(n)$ is true for all natural numbers.
- ★ **Well ordering principle:** Every non-empty subset of Z^+ has a least number.
- ★ **Peano's axioms:** According to Peano a set of natural numbers N is a set of numbers with an equality (=) relation satisfying the following axioms.
 - i. $1 \in N$
 - ii. $n \in N \Rightarrow n+1 \in N$
 - iii. $n \in N \Rightarrow n+1 \neq 1$
 - iv. For $m, n \in N$, $m+1 = n+1 \Rightarrow m = n$
 - v. If $A \subset N$, $1 \in A$ and $n \in A \Rightarrow n+1 \in A$. The $A = N$.
- ★ **The set of integers:** The set $\{n \in R / n=0 \text{ or } n \in N \text{ or } -n \in N\}$ is called the set of integers, denoted by Z or I .
- ★ **The set of rational numbers:** The set $\{m/n / m \in Z, n \in N\}$ is called the set of rational numbers, denoted by Q .

Note: The set 'Q' is the smallest subset of R such that $Q \supset N$ and 'Q' is a field.

$\sqrt{2}$ is not a rational number.
- ★ **The set of irrational numbers:** The set $R-Q$ is called the set of irrational numbers.

Note: i. If 'x' is irrational and 'p' is rational, then $x+p$ is irrational.

ii. Between two rational numbers there exists an irrational number.

iii. If $n \in N$ and is not a perfect square then \sqrt{n} is irrational.
- ★ **The Extended Real number system:** The extended real number system consists of the real field R and two symbols ∞ and $-\infty$. We preserve the original order in R and define $-\infty < x < \infty$ for every $x \in R$.
- ★ **Modulus of a Real number:** If $x \in R$, modulus of x denoted by $|x|$ is defined as follows:

$$|x| = x \text{ if } x \geq 0$$

$$= -x \text{ if } x < 0$$

Note: i. $|x|$ is defined for every $x \in R$

ii. $x_1 = x_2 \Rightarrow |x_1| = |x_2|$
- ★ For every $x, y \in R$, $|x+y| \leq |x| + |y|$
- ★ For every $x, y \in R$, $|x+y| \geq |x| - |y|$
- ★ For every $x, y \in R$, $|x-y| \leq |x| + |y|$
- ★ For every $x, y \in R$, $||x| - |y|| \leq |x-y|$
- ★ For every $x, a, \delta \in R$ and $\delta > 0$ $|x-a| < \delta \Leftrightarrow a-\delta < x < a+\delta$

Students List

SIR C. R. REDDY COLLEGE FOR WOMEN, ELURU

PG ENTRANCE COACHING

2018-2019

SUB: MATHEMATICS

ATTENDANCE SHEET

S.NO	ROLL.NO	NAME OF THE STUDENT	CLASS	SIGNATURE OF THE STUDENT
1	1004	B. SATHYA SRAVANI	MPC	B.S. Sravani
2	1010	N. DEVI	MPC	N. Devi
3	1012	P. PAVANI	MPC	P. Pavani
4	1016	A. BINDU SRI	MPC	A. Bindu Sri
5	1024	B. NIRMALA KUMARI	MPC	B. Nirmala Kumari
6	1026	B. ANUSHA	MPC	B. Anusha
7	1028	CH. ANATHA LAKSHMI	MPC	Ch. Anatha Lakshmi
8	1029	CH. ANNAPURNA	MPC	Ch. Annapurna
9	1041	K. HEPSIBA RANI	MPC	K. Hepsiba Rani
10	1047	L.S.G. DURGA JAHNAVI	MPC	L.S.G. Durga Jahnavi
11	1056	M. VASAVI	MPC	M. Vasavi
12	1070	S.Y. CHANDRIKA	MPC	S.Y. Chandrika
13	1082	V.PRAVILLAKA	MPC	V. Pravillaka
14	1105	M.SALOMI	MPCS	M. Salomi
15	1157	K. BHAVANI	MPCS	K. Bhavani
16	1162	M.KINNERA	MPCS	M. Kinnera
17	1177	R. LAVANYA	MPCS	R. Lavanya
18	1203	G. MOUNIKA	MSCS	G. Mounika
19	1211	N. RAMYA	MSCS	N. Ramya
20	1212	P. GAYATRI	MSCS	P. Gayatri
21	1232	G. SAI SUCHITRA	MSCS	G. Sai Suchitra
22	1238	K. MOUNIKA	MSCS	K. Mounika
23	1257	P. KRISHNA KUMARI	MSCS	P. Krishna Kumari
24	1260	P. JAYA SRI	MSCS	P. Jaya Sri
25	1271	Y. MOUMIKA	MSCS	Y. Mounika
26	1406	M.N.SAI TEJASWI	MECS	M.N. Sai Tejaswi
27	1417	B. REVATHI ALEKHYA	MECS	B. Revathi Alekhya
28	1429	K. NYMISH	MECS	K. Nymish
29	1433	K. PUSHPALATHA	MECS	K. Pushpalatha
30	1440	R. MADHAVI	MECS	R. Madhavi

SIGNATURE

M.B.S.

REPORT

PROGRAMME:PG Entrance COACHING FOR III B.Sc. aspirants in Mathematicssubject

In association with IQAC &In accordance with the resolution made during the meeting and documented in the minutes, it was unanimously agreed to arrange PG entrance coaching classes for interested students pursuing III B.Sc. (Mathematics) This significant decision forms an integral part of the report on the PG entrance coaching classes in Mathematicssubject conducted from 05-Apr-2019 To 04 -May-2019 from 9:30am to 12:30pm .These classes were conducted senior and expert faculty Mrs.V.D.Ratna Kumari (HOD), and M.B.Rajya Lakshmi from the mathematics department.



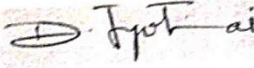
Approximately 30 motivated students actively participated in the coaching sessions These meticulously organized classes aimed to prepare the students comprehensively for the upcoming PG entrance examinations scheduled in the month of May 2019. The coaching sessions were diligently conducted from 9:30 AM to 12:30 PM, adhering to a structured curriculum meticulously designed to equip students with the essential skills and knowledge required for success in the examination.

The outcomes of these coaching classes have been highly encouraging. 06 students were qualified in the exam. Few students showcased exceptional performance, securing remarkable pg. ranks demonstrating both their commitment and the effectiveness of the coaching program.

The successful arrangement of these coaching classes aligns directly with the decision made during the meeting these sessions facilitated a conducive learning environment, significantly contributing to the preparedness and success of the students preparing for the PG entrance examination.

Their dedication has been instrumental in empowering our students for academic success.

ID CARDS & RANK CARDS

DIRECTORATE OF ADMISSIONS ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM NANNAYACET - 2019 :: RANK CARD		
Hall Ticket No : 081030069	RegNo : 204471	Application No : 105307
Name : SAI SUCHITRA GEDALA Gender : Female Date of Birth : 31-08-1999 Father's Name : GEDALA ESWARARAO Address : DoorNo: 20F-22-11 Street: PAPPALA VARI VEDHI Town: KOTHAPETA City: ELURU District: WEST GODAVARI State: ANDHRA PRADESH Pin: 534001	Category : BCD Test : 103-Mathematical Sciences Marks Obtained : <div style="border: 1px solid black; padding: 5px; width: 100px; margin: 5px auto;">48</div> <div style="border: 1px solid black; padding: 5px; width: 100px; margin: 5px auto; text-align: center; font-weight: bold;">RANK</div> <div style="border: 1px solid black; padding: 5px; width: 100px; margin: 5px auto;">233</div>	 <i>Gr. Sai Suchitra</i>  DIRECTOR, DOA NANNAYACET-2019
Note : • Admission into any course is subject to fulfilment of eligibility criteria for that course. • Any correction in biodata should be brought to the notice of the Convener at the time of counseling.		
Certificates to be submitted at the verification center		
(i) NANNAYA CET - 2019 Rank Card & Hall Ticket and Counseling fee of Rs. 500/- (Rs.250/- for SC and ST and PH). (ii) Degree/Provisional Pass Certificate. (iii) Consolidated Marks statement of the Qualifying Examination. (iv) Transfer and Conduct Certificate from the institution where the candidate last studied. Candidates who have completed /studied already or discontinued and seeking admission to second PG or professional course should submit TC relating to first PG course only. Duplicate TC relating to UG / PG degree should be accompanied by proper evidence of loss of original TC, Police complaint with not traceable and Affidavit. Candidates submitting false TC are liable for cancellation of seat at any stage and are liable for prosecution. (Admission will not be given if T.C of the institution where the candidate studied last is not submitted). (v) Migration Certificate (for other Universities candidates). (vi) Date of Birth Certificate (SSC/Matriculation or equivalent Certificate). (vii) Study Certificates for the last seven years or Residence Certificate for preceding seven years of the qualifying examination. (viii) Intermediate original certificate. (ix) Integrated Community Certificate issued by the competent authority in case of SC/ST/BC/EBC/Minority candidates. (x) Valid latest income certificate issued by M.R.O./Thasildar if fee concession is claimed / white ration card (the validity of income certificate is for one year from the date of issue). (xi) 4 recent passport size Photos. (xii) Candidates opting for admission under NCC/Sports/CAP/PH/NSS quota must produce relevant original certificates, in addition to the above. PH certificate must be issued by the concerned medical board in the Govt. hospital. (xiii) Discharge certificate and service certificate of the parent in case of a child of armed personnel. (xiv) Physical fitness certificate from an Asst .Civil Surgeon. (xv) One set of Photostat copies of all the above certificates. (xvi) After verification of the certificates, at the helpline centre, the candidate will get all his/her Original certificates back except T.C., C.C. and Migration certificate. The receipt of original certificates shall be given to the candidate.		
I Phase Counseling:		
S.No.	All other Categories I Phase counseling for All Ranks	Venue (any one of the centers)
1.	Web Counseling & Certificate verification for Physical Sciences (102) and Computer Sciences (106)	1.Ch.S.D.St.Theresa College for Women (A), Eluru
2.	Web Counseling & Certificate verification for Humanities & Social Sci. (201) Chemical Sciences (104) and Hindi (204)	2. Aditya Degree College, Rajahmundry
3.	Web Counseling & Certificate verification for Mathematical Sciences (103) English (202) and M.P.Ed (205)	3. D.N.R College (A), Bhimavaram
4.	Web Counseling & Certificate verification for Life Sciences (101) Telugu (203) and Geology (105)	4. AKNU M.S.N Campus, Kakinada
5.	Web options open	5. S.K.B.R PG College, Amalapuram
6.	Allotment of seats	05-06-2019 to 11-06-2019
7.	Payment of course fee for the allotted seats	13-06-2019
7.	Payment of course fee for the allotted seats	13-06-2019 to 16-06-2019
Special Category Counseling:		
S.No.	Special Category Counseling for All Ranks & All Tests.	Venue
1	Manual Admissions for Sports, NCC & CAP	Adikavi Nannaya University Campus, Rajamahendravaram
		Time
		Date
		09.00 AM
		09-06-2019
		10-06-2019



App No: 081030058

RegNo: 203635

Application No: 103688

PRAVALLIKA VIERAVARAPU

Category: BCB

Female
Date of Birth: 06-11-1998
Name: VARA PRASAD

Roll No: 3-121
Address: NEAR CHURCH
Town: EPURU
City: PEDAPADU MANDAL
District: WEST GODAVARI
State: ANDHRA PRADESH
Pin: 521105

Test: 103-Mathematical Sciences

Marks Obtained:

47

RANK

247



Pravaallika Vieravarapu
D. Jyoti

DIRECTOR, DOA
NANNAYACET-2019

Note:

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Certificates to be submitted at the verification center.

- NANNAYA CET - 2019 Rank Card & Hall Ticket and Counseling fee of Rs. 500/- (Rs.250/- for SC and ST and PH).
- Degree/Provisional Pass Certificate.
- Consolidated Marks statement of the Qualifying Examination.
- Transfer and Conduct Certificate from the institution where the candidate last studied. Candidates who have completed /studied already or discontinued and seeking admission to second PG or professional course should submit TC relating to first PG course only. Duplicate TC relating to UG / PG degree should be accompanied by proper evidence of loss of original TC, Police complaint with not traceable and Affidavit. Candidates submitting false TC are liable for cancellation of seat at any stage and are liable for prosecution. (Admission will not be given if T.C of the institution where the candidate studied last is not submitted).
- Migration Certificate (for other Universities candidates).
- Date of Birth Certificate (SSC/Matriculation or equivalent Certificate).
- Study Certificates for the last seven years or Residence Certificate for preceding seven years of the qualifying examination.
- Intermediate original certificate.
- Integrated Community Certificate issued by the competent authority in case of SC/ST/BC/EBC/Minority candidates.
- Valid latest income certificate issued by M.R.O./Thasildar if fee concession is claimed / white ration card (the validity of income certificate is for one year from the date of issue).
- 4 recent passport size Photos.
- Candidates opting for admission under NCC/Sports/CAP/PH/NSS quota must produce relevant original certificates, in addition to the above. PH certificate must be issued by the concerned medical board in the Govt. hospital.
- Discharge certificate and service certificate of the parent in case of a child of armed personnel.
- Physical fitness certificate from an Asst. Civil Surgeon.
- One set of Photostat copies of all the above certificates.
- After verification of the certificates, at the helpline centre, the candidate will get all his/her Original certificates back except T.C., C.C. and Migration certificate. The receipt of original certificates shall be given to the candidate.

1 Phase Counseling:

S.No.	All other Categories 1 Phase counseling for All Ranks	Venue (any one of the centers)	Time	Date
1.	Web Counseling & Certificate verification for Physical Sciences (102) and Computer Sciences (106)	1.Ch.S.D.SuTheresa College for Women (A), Iluru	9.00 AM	05-06-2019
2.	Web Counseling & Certificate verification for Humanities & Social Sci. (201) Chemical Sciences (104) and Hindi (204)	2. Aditya Degree College, Rajahmundry		06-06-2019
3.	Web Counseling & Certificate verification for Mathematical Sciences (103) English (202) and M.P.Ed (205)	3. D.N.R College (A), Bhimavaram		07-06-2019
4.	Web Counseling & Certificate verification for Life Sciences (101) Telugu (203) and Geology (105)	4. AKNU M.S.N Campus, Kakinada 5. S.K.B.R PG College, Amalapuram		08-06-2019
5.	Web options open			05-06-2019 to 11-06-2019
6.	Allotment of seats			13-06-2019
7.	Payment of course fee for the allotted seats			13-06-2019 to 16-06-2019

Special Category Counseling:

S.No.	Special Category Counseling for All Ranks & All Tests.	Venue	Time	Date
1	Manual Admissions for Sports, NCC & CAP	Adikavi Nannaya University Campus, Rajamahendravaram	09.00 AM	09-06-2019
2	Manual Admissions for NSS & PH			10-06-2019

**DIRECTORATE OF ADMISSIONS
ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM
NANNAYACET - 2019 :: RANK CARD**



Hall Ticket No : 081030022

RegNo : 201627

Application No : 105360

Name : HARIKA BHAVANI BEMASING
Gender : Female
Date of Birth : 29-11-1997
Father's Name : SRINUVASA RAO
Address :
DoorNo : 22D-9-18
Street : 6TH ROAD
Town : RAMAKRSHNAPURAM
City : ELURU
District : WEST GODAVARI
State : ANDHRA PRADESH
Pin : 534002

Category : BCB

Test : 103-103-Mathematical Sciences

Marks Obtained:

35

RANK

517



H. Karikashwan
D. Jyoti ai

DIRECTOR, DOA
NANNAYACET-2019

- Note :**
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Certificates to be submitted at the verification center

- NANNAYA CET - 2019 Rank Card & Hall Ticket and Counseling fee of Rs. 500/- (Rs.250/- for SC and ST and PH).
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- Migration Certificate (for other Universities candidates).
- Date of Birth Certificate (SSC/Matriculation or equivalent Certificate).
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- Integrated Community Certificate issued by the competent authority in case of SC/ST/BC/EBC/Minority candidates.
- Valid latest income certificate issued by M.R.O./Thasildar if fee concession is claimed / white ration card (the validity of income certificate is for one year from the date of issue).
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- Candidates opting for admission under NCC/Sports/CAP/PH/NSS quota must produce relevant original certificates, in addition to the above. PH certificate must be issued by the concerned medical board in the Govt. hospital.
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1.	Web Counseling & Certificate verification for Physical Sciences (102) and Computer Sciences (106)	1.Ch.S.D.St.Theresa College for Women (A), Eluru 2. Aditya Degree College, Rajahmundry 3. D.N.R College (A), Bhimavaram 4. AKNU M.S.N Campus, Kakinada 5. S.K.B.R PG College, Amalapuram	9.00 AM	05-06-2019
2.	Web Counseling & Certificate verification for Humanities & Social Sci. (201) Chemical Sciences (104) and Hindi (204)			06-06-2019
3.	Web Counseling & Certificate verification for Mathematical Sciences (103) English (202) and M.P.Ed (205)			07-06-2019
4.	Web Counseling & Certificate verification for Life Sciences (101) Telugu (203) and Geology (105)			08-06-2019
5.	Web options open			05-06-2019 to 11-06-2019
6.	Allotment of seats			13-06-2019
7.	Payment of course fee for the allotted seats			13-06-2019 to 16-06-2019

Special Category Counseling:

S.No.	Special Category Counseling for All Ranks & All Tests.	Venue	Time	Date
1	Manual Admissions for Sports, NCC & CAP	Adikavi Nannaya University Campus, Rajamahendravaram	09.00 AM	04-06-2019
2	Manual Admissions for NSS & PH			10-06-2019

**DIRECTORATE OF ADMISSIONS
ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM
NANNAYACET - 2019 :: RANK CARD**



Hall Ticket No : 081030041

RegNo : 202848

Application No : 100365

Name : MOUNIKA KOLLA
Gender : Female
Date of Birth : 03-08-1999
Father's Name : KOLLA VENUGOPALA RAO
Address :
DoorNo : 5-17/A
Street : KOTHURU
Town : POTHUNURU
City : DENDULURU
District : WEST GODAVARI
State : ANDHRA PRADESH
Pin : 534442

Category : BCD

Test : 103-Mathematical Sciences

Marks Obtained:

42

RANK

374



Mounika Kolla

D. Jyoti Sai

DIRECTOR, DOA
NANNAYACET-2019

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2.	Web Counseling & Certificate verification for Humanities & Social Sci. (201) Chemical Sciences (104) and Hindi (204)			06-06-2019
3.	Web Counseling & Certificate verification for Mathematical Sciences (103) English (202) and M.P.Ed (205)			07-06-2019
4.	Web Counseling & Certificate verification for Life Sciences (101) Telugu (203) and Geology (105)			08-06-2019
5.	Web options open			05-06-2019 to 11-06-2019
6.	Allotment of seats			13-06-2019
7.	Payment of course fee for the allotted seats			13-06-2019 to 16-06-2019

Special Category Counseling:

S.No.	Special Category Counseling for All Ranks & All Tests.	Venue	Time	Date
1	Manual Admissions for Sports, NCC & CAP	Adikavi Nannaya University Campus, Rajamahendravaram	09.00 AM	09-06-2019
2	Manual Admissions for NSS & PH			10-06-2019



ADIKAVI NANNAYA UNIVERSITY
UNIVERSITY COLLEGE OF
SCIENCE AND TECHNOLOGY
RAJAMAHENDRAVARAM - 533296



NAME : BOLLA SATYA SRAVANI
Regd. NO : 1982924006
COURSE : MSc APPLIED MATHS
AADHAR NO : 386820427562
PH.NO : 9963325886
ADDRESS : 6-44/B, UNAGATLA,
CHAGALLU, WG, 534342

[Signature]
Principal



ADIKAVI NANNAYA UNIVERSITY
UNIVERSITY COLLEGE OF
SCIENCE AND TECHNOLOGY
RAJAMAHENDRAVARAM - 533296



NAME : KANUMURI HEPSIBARANI
Regd. NO : 1982924017
COURSE : MSc APPLIED MATHS
AADHAR NO : 797646504049
PH.NO : 9948793530
ADDRESS : 5-101, EPURU, PEDAPADU,
WG, 521105

Principal
Principal

Photo Gallery



PG Entrance Coaching given by Mrs. M. B. Rajya Lakshmi