

# **NAGARJUNA GOVT DEREE COLLEGE**

(AUTONOMOUS)

NALGONDA



**CERTIFICATE COURSE ON “ESSENTIAL LOGICAL  
REASONING” TO UNDERGRADUATE STUDENTS**

**(FROM 05-08-2019 TO 27-08-2019)**

**2019-20**

**DEPARTMENT OF PHYSICS**

**NAGARJUNA GOVERNMENT DEGREE COLLEGE(A), NALGONDA.**

**DEPARTMENT OF PHYSICS**

TO

Date: 29<sup>th</sup> July 2019

The Principal,  
NG College,  
Nalgonda.

Respected Sir,

Sub: Dept. of physics- certificate course on "Essential Logical Reasoning for Undergraduate students"-seeking permission-reg.reg..

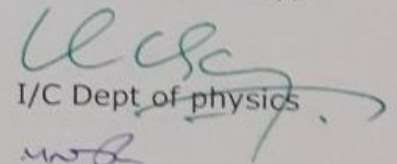
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With regards to the subject cited above M.Naveen, Assistant Professor of this department come up with a proposal to start certificate course on "Essential Logical Reasoning for Undergraduate students". I am here with forwarding the proposal consisting of syllabus and Learning outcomes targeted for this course. This course is for 15 days and 30 Teaching hours and imparts essential reasoning skills to the students

Hence I am requesting you to accord permission to start the said course in this academic year.

Thanking you sir.

Yours faithfully,

  
I/C Dept of physics

# DEPARTMENT OF PHYSICS

## CERTIFICATE COURSE ON “ESSENTIAL LOGICAL REASONING” TO UNDERGRADUATE STUDENTS

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### Curriculum of the course

| S.No. | Name of the TOPIC                 | Days   | Teaching Hours |
|-------|-----------------------------------|--------|----------------|
| 1     | Calendar related Reasoning        | 1      | 2 Hours        |
| 2     | Clock related Reasoning           | 2      | 4 Hours        |
| 3     | Blood Relations related Reasoning | 1      | 2 Hours        |
| 4     | Counting Diagrams                 | 2      | 4 Hours        |
| 5     | Sitting arrangement               | 1      | 2 Hours        |
| 6     | Dice                              | 2      | 4 Hours        |
| 7     | Statement and Concluding          | 2      | 4 Hours        |
| 8     | Directions                        | 1      | 2 Hours        |
| 9     | Mathematic Operations             | 1      | 2 Hours        |
| 10    | Data Analysis                     | 2      | 4 Hours        |
| Total |                                   | 15days | 30 hours       |

## **COURSE OVERVIEW :**

The aim of planning this course is Logical Reasoning skills are essential for any graduate as it is part of any recruitment process whether it is Public or Private sector. Logical reasoning related problem solving increases once Concentration as well as ability to think in multi dimension, which is helpful in leading a quality Life. Problem solving, Critical thinking and decision making improves with these skills. The topics and duration of the program selected in these dimensions and also planned according to active engagement of the learners.

## **COURSE OBJECTIVES:**

While participating in this course the learner will be able to

- Understand the logic behind different topics like clocks, calendar,dice....
- Understand the set of rules in performing mathematical operations
- Apply these logics in day to day life
- Enjoy the Brainstorming sessions,there by increases the ability to think in multi dimensions.

## **LEARNING OUTCOMES :**

After Successful Completion of this Certificate Course The learner will be able to

- say the day for any date given and understands calendar related logic.
- Solve clock related, counting diagram related problems .
- Understand blood relation related logic.
- Understand different possibilities of sitting arrangement and Dice related logics.
- Give conclusion for a set of statements.
- Interpret and analyses the data given in different forms like paragraphs, charts and tables.

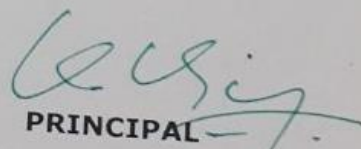
## NOTICE :

31<sup>st</sup> July 2019

All the Students are here by informed that the Department of Physics going to start a Certificate Course on "Essential Logical Reasoning to Undergraduate students" from 5<sup>th</sup> to 27<sup>th</sup> of August . This Course aims to impart Logical Reasoning skills which are very much essential in preparing for competitive exams and also uplifts your confidence levels. It consists of 30 teaching Hours in a period of 15 working days without overlapping with your academic schedule. Detailed schedule will be shared with the selected students.

Interested students are instructed to enroll your name for the course at M.Naveen, Assistant Professor of Physics by 2<sup>nd</sup> August 2019. If the enrolled students are more than 60 those who enrolled first will be shortlisted.

  
Head  
Department of Physics

  
PRINCIPAL

## LIST OF STUDENTS ENROLLED :

### LIST OF STUDENTS ENROLLED :

| S.No. | Name of the student | Class     | Roll Number    | Signature     |
|-------|---------------------|-----------|----------------|---------------|
| 1     | A. Madhu            | MPC-T/III | 17044028441003 |               |
| 2     | B. Harika           | "         | 005            | B. Harika     |
| 3     | B. Rajeshwari       | "         | 010            | B. Rajeshwari |
| 4     | Ch. Lavanya         | "         | 011            | Ch. Lavanya   |
| 5     | G. Ujwala           | "         | 014            | CH. Lavanya   |
| 6     | J. Divyasree        | "         | 017            | J. Divyasree  |
| 7     | J. Shiva            | "         | 020            | Shiva         |
| 8     | K. Naveen Kanha     | "         | 023            | Kanha         |
| 9     | K. Gourilaxmi       | "         | 025            | Gourilaxmi    |
| 10    | M. Nagalaxmi        | "         | 027            | M. Nagalaxmi  |
| 11    | MD. Akram           | "         | 031            | Akram         |
| 12    | M. Mounika          | "         | 034            | M. Mounika    |
| 13    | N. Raghavendra      | "         | 035            | Raghavendra   |
| 14    | N. Sruithi          | "         | 036            | Sruithi       |
| 15    | P. Saraswathi       | "         | 038            | P. Saraswathi |
| 16    | P. Vennela          | "         | 041            | Vennela       |
| 17    | P. Kamala           | "         | 043            | Kamala        |
| 18    | Sana Tahreen        | "         | 046            | P. Kamala     |
| 19    | Sharine             | "         | 048            | Sharine       |
| 20    | V. Neelima          | "         | 053            | Neelima       |
| 21    | V. Suresh           | "         | 054            | V. Suresh     |
| 22    | Y. Srikanth         | "         | 055            | Srikanth      |
| 23    | A. Naveen           | MPC-T/III | 503            | Naveen        |
| 24    | A. Madhu            | "         | 506            | A. Madhu      |
| 25    | B. Nagamani         | "         | 509            | Nagamani      |
| 26    | B. Sony             | "         | 511            | B. Sony       |
| 27    | Ch. Laxman          | "         | 515            | Laxman        |
| 28    | Ch. Vishnu          | "         | 518            | Vishnu        |
| 29    | G. Srikanth         | "         | 525            | Srikanth      |
| 30    | G. Saritha          | "         | 526            | Saritha       |
| 31    | J. Saikumar         | "         | 528            | Saikumar      |
| 32    | J. Manisha          | "         | 530            | J. Manisha    |
| 33    | J. Sairam           | "         | 532            | Sairam        |
| 34    | K. Sandy Rani       | "         | 535            | Sandy         |

|    |                  |            |                |                  |
|----|------------------|------------|----------------|------------------|
| 35 | M. Arjun         | MPC T/M-IV | 17044028441538 |                  |
| 36 | R. Srinu         | "          | 551            | R. Srinu         |
| 37 | S. Nagesh        | "          | 553            | S. Nagesh        |
| 38 | S. Laxmi         | "          | 554            | S. Laxmi         |
| 39 | V. Shrawani      | "          | 560            | V. Shrawani      |
| 40 | S. Mounika       | "          | 555            | S. Mounika       |
| 41 | A. Umadevi       | MPCs - III | 17044028468002 | A. Umadevi       |
| 42 | B. Harika        | "          | 005            | B. Harika        |
| 43 | B. Manasa        | "          | 006            | B. Manasa        |
| 44 | Ch. Swetha       | "          | 008            | Ch. Swetha       |
| 45 | Ch. Divya        | "          | 009            | Ch. Divya        |
| 46 | Ch. Vijaya Laxmi | "          | 010            | Ch. Vijaya Laxmi |
| 47 | Ch. Srikanth     | "          | 011            | Ch. Srikanth     |
| 48 | Ch. Chandana     | "          | 014            | Ch. Chandana     |
| 49 | E. Shrinisha     | "          | 017            | E. Shrinisha     |
| 50 | G. Divya         | "          | 020            | G. Divya         |
| 51 | K. Karuna        | "          | 024            | K. Karuna        |
| 52 | K. Vijaya        | "          | 026            | K. Vijaya        |
| 53 | K. Jabbar        | "          | 027            | K. Jabbar        |
| 55 | K. Bhargavi      | "          | 028            | K. Bhargavi      |
| 56 | K. Manamati      | "          | 029            | K. Manamati      |
| 57 | M. Santhosha     | "          | 036            | M. Santhosha     |
| 58 | R. Prashanthi    | "          | 047            | R. Prashanthi    |
| 59 | R. Bhuvaneshwari | "          | 048            | R. Bhuvaneshwari |
| 60 | T. Pravallika    | "          | 053            | T. Pravallika    |
| 61 | V. Yadagiri      | "          | 057            | V. Yadagiri      |

Xaveer  
 (M. Naveen  
 Asst. Prof. of Phys & Chem)

# Attendance of the students attended for Certificate Course on "Essential reasoning skills for Undergraduate Students"

Attendance of the students attended for Certificate Course on  
"Essential reasoning skills for Undergraduate Students"  
5/8/19 to 27/8/19

| S. N o. | Roll Number    | Name of the student | 1   | 2   | 3   | 4   | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
|---------|----------------|---------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
|         |                |                     | 5/8 | 6/8 | 7/8 | 8/8 | 13/8 | 14/8 | 15/8 | 17/8 | 18/8 | 20/8 | 21/8 | 22/8 | 24/8 | 26/8 | 27/8 |
| 1       | 17004028641005 | A. Madhu            | P   | P   | P   | P   | P    | A    | P    | P    | P    | P    | A    | P    | P    | P    | P    |
| 2       | 005            | B. Harika           | P   | P   | P   | A   | P    | P    | P    | A    | A    | P    | P    | P    | A    | P    | P    |
| 3       | 010            | B. Rajeshwari       | A   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 4       | 011            | Ch. Lavanya         | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | A    | P    | A    | P    |
| 5       | 014            | G. Ujwale           | P   | A   | P   | P   | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 6       | 017            | J. Divyasree        | P   | P   | P   | P   | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    |
| 7       | 020            | J. Shiva            | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | A    | P    | P    | P    | A    |
| 8       | 023            | K. Naveen-Kang      | P   | A   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 9       | 025            | K. Gouthami         | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 10      | 027            | M. Nagalaxmi        | P   | P   | P   | P   | A    | P    | P    | P    | A    | P    | P    | P    | P    | P    | P    |
| 11      | 031            | Md. Akram           | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | A    | P    | P    |
| 12      | 034            | M. Mounika          | P   | P   | P   | P   | A    | P    | P    | P    | P    | P    | P    | A    | P    | P    | P    |
| 13      | 035            | N. Raghavendra      | A   | P   | P   | A   | P    | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    |
| 14      | 036            | N. Sruthi           | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | A    | P    | P    |
| 15      | 038            | P. Saraswathi       | P   | P   | P   | A   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 16      | 041            | P. Vennela          | P   | P   | P   | P   | A    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 17      | 043            | P. Kamala           | P   | P   | A   | P   | P    | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    |
| 18      | 046            | Sana Tahreen        | P   | P   | P   | P   | A    | P    | P    | P    | P    | P    | A    | P    | A    | P    | P    |
| 19      | 048            | Sharina             | P   | P   | P   | P   | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    |
| 20      | 053            | V. Neelima          | P   | A   | P   | A   | P    | P    | P    | A    | P    | P    | P    | P    | P    | A    | P    |
| 21      | 054            | V. Sureth           | A   | P   | P   | P   | P    | P    | P    | A    | P    | P    | P    | A    | P    | P    | P    |
| 22      | 055            | Y. Srikanth         | P   | P   | P   | P   | A    | P    | P    | P    | A    | P    | P    | P    | P    | P    | P    |
| 23      | 503            | A. Naveen           | P   | P   | P   | P   | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    |
| 24      | 506            | A. Madhu            | P   | A   | P   | P   | P    | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    |
| 25      | 509            | B. Naganani         | P   | P   | P   | P   | P    | A    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 26      | 511            | B. Sony             | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | A    | A    | P    | P    |
| 27      | 515            | Ch. Laxman          | A   | P   | P   | A   | P    | P    | P    | A    | P    | P    | A    | P    | P    | P    | P    |
| 28      | 518            | Ch. Vishnu          | P   | P   | P   | P   | A    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 29      | 525            | G. Srikanth         | P   | A   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 30      | 526            | G. Saritha          | P   | P   | P   | P   | P    | A    | P    | P    | P    | P    | A    | P    | P    | P    | P    |

| S. N o. | Roll Number    | Name of the student | 1   | 2   | 3   | 4   | 5   | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
|---------|----------------|---------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
|         |                |                     | 5/8 | 6/8 | 7/8 | 8/8 | 9/8 | 10/8 | 11/8 | 12/8 | 13/8 | 14/8 | 15/8 | 16/8 | 17/8 | 18/8 | 19/8 |
| 31      | 17044028441528 | J. Saikumar         | A   | P   | P   | P   | P   | P    | P    | P    | P    | P    | A    | P    | P    | P    | P    |
| 32      | 530            | J. Manisha          | P   | A   | P   | P   | P   | P    | P    | A    | P    | P    | P    | A    | P    | P    | P    |
| 33      | 532            | J. Sairam           | P   | P   | A   | P   | P   | P    | P    | P    | P    | P    | A    | P    | P    | A    | P    |
| 34      | 535            | K. Sandhyaarani     | P   | P   | A   | P   | P   | P    | P    | P    | P    | A    | P    | P    | P    | P    | P    |
| 35      | 538            | M. Arjun            | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 36      | 551            | R. Srinu            | A   | P   | P   | P   | P   | P    | A    | P    | P    | P    | P    | P    | A    | P    | P    |
| 37      | 553            | S. Nareesh          | P   | P   | A   | P   | P   | A    | P    | P    | P    | A    | P    | P    | P    | P    | P    |
| 38      | 554            | S. Laxmi            | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | A    | P    | P    |
| 39      | 560            | V. Shravani         | A   | P   | P   | P   | P   | A    | P    | P    | P    | P    | A    | P    | P    | P    | P    |
| 40      | 555            | S. Mounika          | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | A    | P    | P    | P    |
| 41      | 17044028468002 | A. Umadevi          | P   | A   | P   | A   | P   | P    | A    | P    | P    | A    | P    | P    | P    | P    | P    |
| 42      | 005            | B. Harika           | P   | P   | P   | P   | A   | P    | P    | P    | P    | P    | P    | P    | A    | P    | P    |
| 43      | 006            | B. Manasa           | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 44      | 008            | Ch. Swetha          | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 45      | 009            | Ch. Divya           | A   | P   | P   | P   | P   | A    | P    | A    | A    | P    | P    | P    | P    | P    | P    |
| 46      | 010            | Ch. Vijayalaxmi     | P   | P   | P   | A   | P   | P    | P    | P    | P    | P    | P    | P    | P    | A    | P    |
| 47      | 011            | Ch. Srikanth        | P   | P   | A   | P   | P   | A    | P    | P    | A    | P    | P    | P    | P    | P    | P    |
| 48      | 014            | Ch. Chandane        | P   | P   | P   | P   | P   | A    | P    | A    | P    | P    | P    | P    | P    | P    | P    |
| 49      | 017            | E. Shirisha         | P   | P   | A   | P   | A   | P    | A    | P    | A    | P    | P    | P    | A    | P    | P    |
| 50      | 020            | G. Divya            | A   | P   | P   | P   | P   | P    | P    | P    | P    | A    | P    | P    | P    | A    | P    |
| 51      | 024            | K. Karuna           | P   | P   | P   | P   | P   | A    | P    | A    | P    | P    | P    | A    | P    | P    | P    |
| 52      | 026            | K. Vijaya           | P   | P   | P   | P   | P   | P    | P    | A    | P    | P    | P    | P    | A    | P    | P    |
| 53      | 027            | K. Jabbar           | P   | P   | P   | P   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 55      | 028            | K. Bhargavi         | A   | P   | P   | P   | P   | A    | P    | P    | P    | A    | P    | P    | P    | P    | P    |
| 56      | 029            | K. Mamatha          | P   | P   | P   | P   | P   | P    | A    | P    | P    | P    | P    | P    | A    | P    | P    |
| 57      | 036            | M. Santhosh         | P   | P   | P   | A   | P   | P    | P    | P    | P    | P    | P    | P    | P    | P    | P    |
| 58      | 047            | R. Prashanthi       | P   | P   | P   | P   | P   | A    | P    | P    | A    | P    | P    | P    | A    | P    | P    |
| 59      | 048            | R. Bhuvaneshwari    | A   | P   | P   | P   | P   | A    | P    | P    | P    | A    | P    | P    | P    | A    | P    |
| 60      | 053            | T. Prevalika        | P   | P   | P   | P   | P   | P    | P    | A    | P    | P    | P    | P    | P    | A    | P    |
| 61      | 057            | V. Yadagiri         | A   | P   | P   | P   | P   | P    | P    | P    | P    | P    | A    | P    | P    | P    | P    |

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27/8/19

## **CERTIFICATE :**

**NAGARJUNA GOVERNMENT COLLEGE(A),NALGONDA**

**DEPARTMENT OF PHYSICS**

### **CERTIFICATE OF APPRECIATION**

This is to certify that \_\_\_\_\_  
studying \_\_\_\_\_ has participated and successfully finished  
Certificate course on “Essential Reasoning Skills for Undergraduate students”  
conducted by Department of Physics, Nagarjuna Government College(A),Nalgonda  
from 5th August 2019 to 27<sup>th</sup> August 2019.

**M.NAVEEN**

Course Coordinator

**K.CHANDRASHEKAR**

PRINCIPAL