

A.G&S.G.S DEGREE COLLEGE, VUYURU



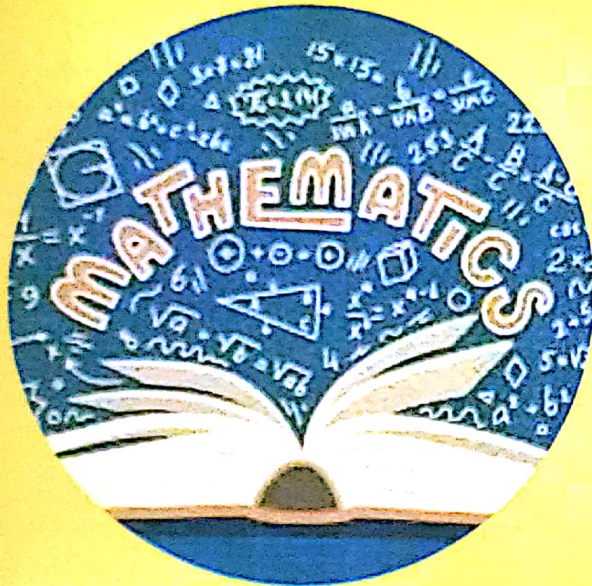
Contact Us

Door No.2.391, College Road , Near
Kota complex ,Vuyyuru -521165

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www.agsgsc.edu.in

DEPARTMENT OF MATHEMATICS



Course : Reasoning Ability
Code : MAT-VAC-02
Class : I MCCS
Duration: 30 Days



REASONING ABILITY

Value Added Course
on
REASONING ABILITY



A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

(Managed by: Siddhartha Academy of General & Technical Education, Vijayawada-10)

An Autonomous College in the Jurisdiction of Krishna University

Accredited by NAAC with "A" Grade



DEPARTMENT OF MATHEMATICS

2018-2019

Value Added Course

Title: REASONING ABILITY

Name of the Lecturer : Mohammad Noor

Class : IMCCS

Duration of the Course : 30 HOURS

VAC Code : MAT-VAC-02



Value Added Course

Title: REASONING ABILITY

Objectives :

1. Analytical Thinking: Developing the ability to analyze information and identify patterns, relationships, and connections between different elements or data points.
2. Logical Reasoning: Enhancing logical reasoning skills to understand and evaluate arguments, identify logical fallacies, and draw valid conclusions based on given information.
3. Problem-Solving: Developing effective problem-solving skills, including the ability to identify problems, break them down into smaller components, generate solutions, and evaluate the effectiveness of different approaches.

Methodology :Teacher-Centeredmethod

Duration : 30 Hours

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Student Enrolment Sheet

Roll.No	Student Name	F/M
18. 701	Naralasetti puitha	F
18. 704	udugula Sandhya	F
18. 706	Mahali Bhuvana	F
18. 707	Veeramalla Venkatesh	M
18. 710	Jayavarapu Hari Krishna	M
18. 713	Nalluru Sruthi	F
18. 714	Ganjala Anusha	F
18. 718	Allu Gouthami	F
18. 721	Alla Venkata Sai	M
18. 722	Bellam Jhansi	F
18. 725	Edupuganti Manoj kumar	M
18. 730	Mediseti Siva Mani	M
18. 734	Veeragani shanmukha priya	F
18. 738	Bheri Ruchitha	F
18. 743	Ranga Nagalakshmi	F

[Signature]
Lecturer

[Signature]
HOD

[Signature]
Principal
AG & SG Siddhartha Degree College
of Arts & Science
VUYYURU-521 165

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Title: REASONING ABILITY

Date: From 01.08.2018 to 31.08.2018

Date	Content	Module No.
01.08.2018	Analytical Thinking: Developing the ability to analyze information, data, or situations and identify patterns, relationships, and connections. This includes identifying trends, making observations, and drawing logical conclusions based on evidence.	I
08.08.2018	Logical Reasoning: Understanding the principles of logical reasoning, including identifying and evaluating arguments, identifying logical fallacies, and distinguishing between valid and invalid reasoning.	II
16.08.2018	Problem-Solving Strategies: Learning and applying different problem-solving strategies, such as breaking down complex problems into smaller, manageable parts, identifying relevant information, generating alternative solutions, and evaluating the best course of action.	III
24.08.2018	Deductive Reasoning: Understanding deductive reasoning, which involves drawing specific conclusions from general principles or rules. This includes understanding syllogisms, conditional statements, and using deductive reasoning to solve problems.	IV

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Title: REASONING ABILITY

Test Exercise:

Direction (1-5): Study the following information carefully and answer the given questions.

P, Q, R, S, T, U and V are sitting around a circular table with an equal distance between adjacent persons and some of them are facing the center and some of them are facing away from the center but not necessarily in the same order.

Two persons sit between R and V. V sits to the immediate left of T. R sits second to the left of U. U faces the center. Two persons sit between T and P. R sits immediate to either P or V. V faces the center. S faces the same direction of R. R faces opposite direction of T. Immediate neighbours of P face the same direction. P sits second to the right of Q. Immediate neighbours of S face the opposite directions (e.g. if one faces the center then other faces away from the center).

1. Who sits second to left of R?
1) P 2) S 3) Q 4) V 5) T
2. What is the position of U with respect to Q?
1) Second right 2) Immediate right 3) Second left 4) Immediate left 5) Third right

3. How many persons sit between S and T when counted from left of S?
1) One 2) Two 3) Three 4) Four 5) No one
4. Four of the following five are alike in a certain way and hence form a group, then which one doesn't belong to that group?
1) V 2) R 3) U 4) S 5) T
5. Which among the following statement is 'TRUE'?
1) Q and V face same direction 2) Two persons sit between S and T

3) R sits immediate right of Q 4) S and Q are immediate neighbours

5) All are false

Direction (6-10): The following questions are based on the five three letter words given below.

IWN SDH AFN KNU DMV

6. If the first and third letters of each word is interchanged, the second letter is changed to the previous letter according to the English alphabetical series, then how many words contain at least two vowels?
- 1) None 2) One 3) Two 4) Three 5) More than three
7. If the first and second letters of each word is interchanged then how many meaningful words will be formed?
- 1) Three 2) One 3) Four 4) Two 5) More than four
8. If the words are arranged according to the English dictionary order from right to left then which of the following word is second from the right end?
- 1) DMV 2) SDH 3) AFN 4) IWN 5) KNU
9. If each vowel in the word is changed to its previous letter and each consonant is changed to the next letter according to the alphabetical series, then how many words contain at least two vowels?
- 1) None 2) Four 3) Two 4) One 5) Three
10. How many letters are there in between the middle letter of the second word from the right end and the first letter of the first word from the left end as in the English alphabet series?
- 1) Two 2) Five 3) Six 4) Three 5) Four

A.G. & S.G. Siddhartha Degree College of Arts & Science
Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course
Title: REASONING ABILITY

Key: 1.4 2.4 3.1 4.5 5.3 6.2 7.4 8.1 9.4 10.5



A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Department of Mathematics

Value Added Course

Title: REASONING ABILITY

Marks List

Class: I B.Sc MCCs

S. No	Roll No.	Name of the Student	Marks
1	18. 701	Naralasetti pujitha	18
2.	18. 704	vologula Sandhya	16
3.	18. 706	Mahali Bhevana	18
4.	18. 707	Veeramulla Venkatesh	20
5.	18. 710	Jayavarapu Hari Krishna	18
6.	18. 713	Valluru Swathi	16
7.	18. 714	Ganjala Anusha	18
8.	18. 718	Allu Gowthami	16
9.	18. 721	Alla Venkata Sai	18
10.	18. 722	Bellam Jhansi	16
11.	18. 725	Edupuganti Manoj Kumar	18
12.	18. 730	Mediseti Siva Mani	16
13.	18. 734	veeragani shanmukha priya	18
14.	18. 738	Bheri Ruchitha	16
15.	18. 743	Ranga Nagalakshmi	18

N. V. S. Reddy
Lecturer

N. V. S. Reddy
HOD

D. Balakrishna
Principal
AG & SG Siddhartha Degree College
of Arts & Science (Autonomous)
VUYURU-521 165

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course / Certificate Course - Attendance Register

Class / Section: I MCC₃

Year : 2018-19

Department of: Mathematics

Paper: MAT-VAC-02

Lecturer: Mohammed Noor

Sl.No	Roll No	Student Name	Category	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
1	18.701	Navalasetti pusitha		P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	12
2	18.704	Udupula Sandhya		P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	12
3	18.706	Mahali Bhuvana		P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	12
4	18.707	Veeramullu Venkatesh		A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	12
5	18.710	Jayavarapu Hari Krishna		P	P	A	P	P	A	P	P	P	A	P	P	P	P	A	11
6	18.713	Valluru Sruthi		A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	12
7	18.714	Ganjala Anusha		P	P	P	A	P	P	P	A	P	P	A	P	P	P	P	12
8	18.718	Allu Gouthami		P	P	A	P	P	P	A	P	P	P	P	A	P	P	A	11
9	18.721	Alla Venkata Sai		P	P	P	P	P	A	P	P	P	A	P	P	A	P	P	12
10	18.722	Bellam Jhansi		P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	13
11	18.725	Edupuganti Manoj Kumar		P	P	A	P	P	P	P	A	P	P	P	A	P	A	P	11
12	18.730	Mediseti Siva Mani		A	P	P	P	A	P	P	P	P	A	P	P	P	P	P	12
13	18.734	Veeragan Sharmukha Priya		P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	12
14	18.738	Bheri Ruchitha		P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	13
15	18.743	Ranga Nagalakshmi		A	P	P	P	A	P	P	P	A	P	P	A	P	P	A	10

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course / Certificate Course - Attendance Register

Class / Section: EMCG

Year : 2018-19

Department of: Mathematics

Paper: MAT-VAC-02, Lecturer: Mohammed Noor

Sl.No	Roll No	Student Name	Category	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1	18. 701	Naralasetti pujitha		A	P	P	P	A	P	P	P	P	A	P	P	P	A	P	23
2	18. 704	edugula Sandhya		P	P	A	P	D	P	P	A	P	P	P	P	P	P	P	25
3	18. 706	Mahali Bhavana		P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	25
4	18. 707	veeramallu Venkatesh		P	A	P	P	D	P	P	A	P	P	P	P	P	P	P	25
5	18. 710	Jayavarapu Hari Krishna		P	P	P	A	P	P	P	P	P	A	P	P	P	P	A	23
6	18. 713	Valluru Sruthi		P	A	P	P	P	A	P	A	P	P	P	A	P	P	P	23
7	18. 714	Ganjala Anusha		A	P	A	P	A	P	P	P	A	P	P	P	P	A	P	22
8	18. 718	Allu Geetha		P	A	P	A	P	P	P	A	P	P	P	A	P	P	A	21
9	18. 721	Alla Venkata Sai		P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	25
10	18. 722	Bellam Jhansi		P	P	A	P	P	A	P	P	P	A	P	P	P	P	P	25
11	18. 725	Edupuganti Manoj Kumar		P	P	P	P	A	P	P	P	A	P	P	P	P	A	P	23
12	18. 730	Mediseti Siva Mani		P	A	P	P	P	P	A	P	P	P	P	A	P	P	P	24
13	18. 735	Neeragan Shantoukha Priya		P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	24
14	18. 738	Bheri Rachita		A	P	P	P	P	A	P	P	P	P	P	P	A	P	P	25
15	18. 743	Ranga Nagalakshmi		P	A	P	P	P	P	P	A	P	P	A	P	P	P	P	22

Mohammed Noor
Lecturer

N.V. Singh
HOB

D. Balakrishna
Principal
AG & SG Siddhartha Degree College
of Arts & Science (Autonomous)
VUYURU-521165

A.G. & S.G. Siddhartha Degree College of Arts & Science

Vuyyuru-521165, Krishna District, Andhra Pradesh

Department of Mathematics

Value Added Course

Title: REASONING ABILITY

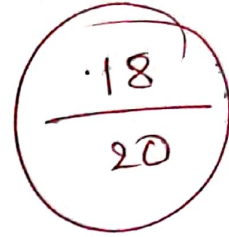
Feed Back Form

1. Is the programme interested to you (Yes/No)
2. Have you attended all the session (Yes/No)
3. Is the content of the program is adequate (Yes/No)
4. Have the teacher covered the entire syllabus? (Yes/No)
5. Is the number of hours adequate? (Yes/No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the program? (Yes/No)
7. On the whole, is the program useful in terms of enriching your knowledge? (Yes/No)
8. Do you have any suggestions on the program? (Yes/No)

A.G. & S.G. Siddhartha Degree College of Arts & Science
Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Title: REASONING ABILITY



Test Exercise:

Direction (1-5): Study the following information carefully and answer the given questions.

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3. How many persons sit between S and T when counted from left of S?
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4. Four of the following five are alike in a certain way and hence form a group, then which one doesn't belong to that group?
1) V 2) R 3) U 4) S 5) T
5. Which among the following statement is 'TRUE'?
1) Q and V face same direction 2) Two persons sit between S and T

3) R sits immediate right of Q 4) S and Q are immediate neighbours

5) All are false

Direction (6-10): The following questions are based on the five three letter words given below.

IWN SDH AFN KNU DMV

6. If the first and third letters of each word is interchanged, the second letter is changed to the previous letter according to the English alphabetical series, then how many words contain at least two vowels?
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A.G. & S.G. Siddhartha Degree College of Arts & Science
 Vuyyuru-521165, Krishna District, Andhra Pradesh

Value Added Course

Title: REASONING ABILITY

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Test Exercise:

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**ADUSUMILLI GOPALAKRISHNAIAH AND SUGARCANE GROWERS
SIDDHARTHA DEGREE COLLEGE OF ARTS AND SCIENCE,
(AUTONOMOUS) VUYYURU A.P
(Accredited at "A" level by NAAC, Bengaluru)**



Department of Mathematics

VALUE ADDED COURSE: **Reasoning Ability**

CERTIFICATE

This is to Certify that .

Son/Daughter of Shri/Smt

has Successfully completed value added course in **Reasoning Ability**

Conducted by the Department of Mathematics from 01-08-2018 to 31-08-2018 We wish him her bright future

Co-ordinator

Head of Department

Principal