

## TTWRDC(W); Rajanna Siricilla



#### DEPARTMENT OF MATHEMATICS

Value Added Course

Course Name: Arithemetic Ability

Eligibility: MPC & MPCS (All Years)

Last Date for Application: 10-8-2022

Course Duration: 16-8-2022 To 22-9-2022

Exam Date: 25-9-2022



Principal TTWRDC(W)SIRCILLA Dist; Rajanna Sircilla

## TTWRDC(W), THANGALLAPALLY,RAJANNA SIRICILLA DEPARTMENT OF MATHEMATICS

Title: ARITHMETIC ABILITY VALUE ADDED COURSE

course code: VACMAT003

Syllabus:

5) Simple interest 6) Compound interest Arithmetic Ability: 1)Number System 2] Ratio & Proportion 3] Averages 4) Percentages 4) Profit & Loss

## **Evaluation Procedure**

comprising of quizzes, assignments, etc.,b) Practical/ study project-20 marks. The course shall have two components of evaluation: a) Continuous evaluation of 30 marks,

Head of the Department

TRAC co-ondinator Relieve

TIMRDS(W)SIRCILLA
Dist: Rajanna Sizzi

Principal

Principal

2022-23

## Value Added Courses

Title: Arithmetic Ability

Course Code: VACMAT003

### Course Outcomes:

Course outcomes for an arithmetic ability course for degree students might include

## 1. Number System

- v integers, rational numbers, and irrational numbers Understanding of different types of numbers including natural numbers, whole numbers
- within different number systems Proficiency in performing operations (addition, subtraction, multiplication, division
- V to percentages) Ability to convert numbers between different forms (e.g., fractions to decimals, decimals

## 2. Ratio and Proportion

- V mixing ingredients, scaling, and financial applications Mastery in solving problems involving ratios and proportions in various contexts such as
- Understanding of the relationship between ratios, proportions, and fractions
- V involving rates and unit conversions. Ability to apply ratios and proportions to solve real-world problems, including problems

#### Averages:

- V mode Proficiency in calculating different types of averages including mean, median, and
- Ability to interpret and analyze data using averages
- V everyday scenarios Skills in applying averages to solve problems related to data interpretation, statistics, and

#### 4.Percentages:

- Understanding of percentages as a concept representing a portion of a whole
- percentage of a number, and percentage error. Proficiency in calculating percentages, including percentage increase/decrease
- V other financial calculations Ability to apply percentages to solve problems related to taxes, discounts, markups, and

#### Interest

\* Understanding of simple interest and compound interest calculations



2021-2022

16-8-2021

Rajanna Siricilla ITWRDC(W);

# EPARTMENT OF MATHEMATICS



Course Name: Reasoning Ability

Last Date for Application: 20-8-2021 Eligibility: MPC & MPCS (All Years)

Course Duration: 23-8-2021 To 29-9-2021



## TTWRDC(W), THANGALLAPALLY, RAJANNA SIRICILLA

## DEPARTMENT OF MATHEMATICS

## VALUE ADDED COURSE

course code: VACMAT015 Title: Reasoning ability

Teaching hours:30 Hrs

Analogy

Syllabus

- Classification
- Coding & Decoding
- Series
- **Blood Relations**
- Directions

Evaluation procedure:

Total marks: 50 M

Assignments: 10M Theory exam: 40M

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PRINCIPAL

Principal
TIMRDC(W)SIRCILLA
District Rajanna Sircilla

2021-22

## Value Added Courses

Title: Reasoning Ability

Course Code: VACMAT015

#### Course Outcomes:

Course outcomes for an Reasoning ability course for degree students might include:

#### 1. Analogy:

- Understand the relationship between different pairs of words or concepts
- Identify analogous relationships and apply them to new situations
- Develop critical thinking skills by recognizing similarities and differences

#### 2. Classification:

- characteristics Learn to categorize objects, words, or concepts based on common attributes or
- Enhance logical reasoning skills by identifying patterns and organizing information
- Practice problem-solving techniques by classifying items into appropriate groups.

## 3. Coding & Decoding:

- Acquire proficiency in deciphering codes and ciphers through systematic analysis
- Improve analytical skills by identifying patterns or rules governing coded messages.
- Develop logical thinking abilities by encoding and decoding information using various techniques

#### 4.Series:

- Enhance pattern recognition skills by identifying sequences and progressions.
- in a series. Develop problem-solving strategies by extrapolating patterns to predict the next elements
- V Strengthen logical reasoning abilities by analyzing the relationships between series

#### 5.Blood Relations:

- Understand familial relationships and kinship structures.
- V genealogies Enhance deductive reasoning skills by solving problems involving family trees and
- V individuals Improve critical thinking abilities by applying logic to determine relationships between

#### 6.Directions:

- Develop spatial reasoning skills by interpreting directions and orientations.
- Enhance problem-solving abilities by navigating through maps and spatial arrangements.
- Improve logical thinking skills by understanding and applying directional concepts in various contexts.

Head of the Department

#### NOTICE

## DEPATRYMENT OF Mathematics

DATE: 28/08/2020

Here by informing all the interested students to enroll in the certificate courses

which is going to start from Dt: 04/09/2020. Those who are interested can apply "Reasoning Ability" conducting by the Department of Mathematics for the academic year 2020-21

**COURSE NAME: Reasoning Ability** 

ELIGIBILITY: MPC & MPCs(All years)

LAST DATE FOR APPLICATION: 01/09/2020

COURSE DURATION FROM: 04/09/2020 TO 09/10/2020

**EXAM DATE: 12/10/2020** 

**DEPARTMENT OF Mathematics** 

PRINCIPAL

Principal
TTWRPG(W)SIRCILLA
Distrajanna Sircilla

## TTWRDC(W), THANGALLAPALLY, RAJANNA SIRICILLA

## DEPARTMENT OF MATHEMATICS

## VALUE ADDED COURSE

DATE-

Title: Reasoning ability

course code: VACMAT015 Syllabus

Teaching hours:30 Hrs

- Analogy
- Classification
- Coding & Decoding
- Series
- Blood Relations
- Directions

Evaluation procedure:

Total marks: 50 M

Theory exam: 40M

Assignments: 10M

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Head of the

Depertment

Principal
Principal
TrwRDC(W)SIRCILLA
Dist. Rajanna Sircilla

PRINCIPAL

#### 2020-21

## Value Added Courses

Title: Reasoning Ability

## Course Code: VACMAT015

Course Outcomes:

Course outcomes for an Reasoning ability course for degree students might include:

#### Analogy:

- Understand the relationship between different pairs of words or concepts
- Identify analogous relationships and apply them to new situations
- V Develop critical thinking skills by recognizing similarities and differences

#### 2. Classification:

- V characteristics. Learn to categorize objects, words, or concepts based on common attributes or
- Enhance logical reasoning skills by identifying patterns and organizing information.
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#### 6.Directions:

- Develop spatial reasoning skills by interpreting directions and orientations.

  Enhance problem-solving abilities by navigating through maps and spatial arrangements.

  Improve logical thinking skills by understanding and applying directional concepts in

various contexts.

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#### NOTICE

## **DEPATRTMENT OF Mathematics**

DATE: 03/09/2019

Here by informing all the interested students to enroll in the certificate courses

which is going to start from Dt: 09/09/2019. Those who are interested can apply. "Arithmetic Ability" conducting by the Department of Mathematics for the academic year 2919-20

**COURSE NAME:** Arithmetic Ability

**ELIGIBILITY: 2nd year Physical Science** 

LAST DATE FOR APPLICATION: 07/09/2019

COURSE DURATION FROM: 09/09/2019 TO 29/11/2019

**EXAM DATE**: 02/12/2019

DEPARTMENT OF MATHEMATICS

Principal
TTWRDC(WN)SHRCILLA
Dist: Bajanna Sircilla
PRINCIPAL

## TTWRDC(W), THANGALLAPALLY, RAJANNA SIRICILLA

## DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE

Title: ARITHMETIC ABILITY

course code: VACMAT003

5) Simple interest 6) Compound interest Arithmetic Ability: 1)Number System 2) Ratio & Proportion 3) Averages 4) Percentages 4) Profit & Loss

## **Evaluation Procedure**

comprising of quizzes, assignments, etc.,b) Practical/ study project-20 marks. The course shall have two components of evaluation: a) Continuous evaluation of 30 marks,

Head of the Department

Principal
TWRDG(W)SIRCILLA Dist: Rajanna Sircilla

Principal

2019-20

## Value Added Courses

Title: Arithmetic Ability

Course Code: VACMAT003

#### Course Outcomes:

Course outcomes for an arithmetic ability course for degree students might include

### 1. Number System:

- Understanding of different types of numbers including natural numbers, whole numbers
- Proficiency in performing operations (addition, subtraction, multiplication, division integers, rational numbers, and irrational numbers
- Ability to convert numbers between different forms (e.g., fractions to decimals, decimals within different number systems to percentages).

## 2. Ratio and Proportion

- mixing ingredients, scaling, and financial applications. Mastery in solving problems involving ratios and proportions in various contexts such as
- Understanding of the relationship between ratios, proportions, and fractions
- involving rates and unit conversions. Ability to apply ratios and proportions to solve real-world problems, including problems

#### Averages

- V Proficiency in calculating different types of averages including mean, median, and
- Skills in applying averages to solve problems related to data interpretation, statistics, and everyday scenarios

#### Percentages

- Understanding of percentages as a concept representing a portion of a whole
- Proficiency in calculating percentages, including percentage increase/decrease
- percentage of a number, and percentage error.
- other financial calculations. Ability to apply percentages to solve problems related to taxes, discounts, mark-ups, and

- Understanding of simple interest and compound interest calculations
- YY Proficiency in calculating interest rates, principal amounts, and total amounts accrued over time

