



# Government Degree College, Seethanagaram

Accredited by NAAC with "B" Grade, ISO 9001:2015 Certified College

Affiliated to Aadi Kavi Nannayya University  
Opp K.G.N.M .Trust, Purushottapatnam Road, Seethanagaram



## “DEPARTMENT OF MATHAMETICS”

DOCUMENTATION

CERTIFICATE COURSE

ON

“COMPETATIVE FOR BANK EXAMS”

CONDUCTED

BY

DEPARTMENT OF MATHEMATICS

DURATION OF THE COURSE: ONE MONTH

From JANAUARY 28<sup>th</sup> 2023 to FEBUARY 28<sup>TH</sup> 2023

**SCHEDULE:** EVERY DAY 4PM to 5PM



## **ATTENDANCE**

75% Attendance in classes is mandatory for appearing in the examination.

## **MODEL OF EXAMINATION**

The Examination Paper will consist of 100Marks

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External Exam pattern 5x10=50[Allquestionsmandatory].

Internal Exam pattern 5x10=50[Allquestionsmandatory].

## **PASSING REQUIREMENT**

Candidates have to secure minimum50% marks to qualify the certificate course examination.

## **RESULT**

The result will appear after one day of closure of off-line examination. List of passed participants will also be hosted at the college notice board.

## **MODULES TO BE COVERED IN THE COURSE:**

### **UNIT- I**

- 1. AVERAGES**
- 2. L.C.M&H.C.F**
- 3. PROBLEMS ON AGES**
- 4. PROBLEMS ON NUMBERS**

### **UNIT-II**

- 1. PERCENTAGES**
- 2. PARTNERSHIP**
- 3. RATIO&PROPORTIONS**
- 4. ALLIGATIONS (or)MIXTURE**

### **UNIT-III**

- 1. PROFIT&LOSS**
- 2. SIMPLE INTERST**
- 3. COMPOUND INTEREST**
- 4. TIME & WORK**

### **UNIT-IV**

- 1. FRACTIONS**
- 2. PIPES & CISTERN**
- 3. SPEED, TIME & DISTANCE**
- 4. MENSURATION.**

## MODEL QUESTION PAPER

# COMPETATIVE MATHEMATICS (ARTHEMATIC ABLITY)

(For the batches admitted in 2022-23 only)

Duration: 2Hrs

MaxMarks:50

Answer any **FIVE** of the Following. Each question carries **10** marks.

**5 x 10 = 50 M**

- The average of runs of a cricket player of 10 innings was 32 how many runs must he make in his next innings so as to increase his average of runs by 4.
  - The average of five consecutive odd numbers is 61 what is the difference between the highest and lowest numbers
- Find the L.C.M of 60, 120 & 240.
  - Find the H.C.F of 1200, 1400.
- What must be added to each term of the ratio 2:5 so that it may equal 5:6.
  - If  $A:B = 7:9$  &  $B:C = 3:5$  then  $A:B:C$  is equal to.
- Naresh bought four dozen pencils at Rs 10.80 a dozen and sold them for 80 paise each find his gain or loss.
  - A vendor buys oranges of Rs 26 per dozen and sells them at five for Rs 13 Find his gain percent
- In what time will Rs 8000 at 3% per annum produce the same interest as Rs 6000 does in 5 years at 4% simple interest .
  - The compound interest on Rs 12000 for 9 months at 20% per annum interest being compounded quarterly.
- 'A' is thrice as efficient as B, A takes 24 less than 'B' to complete a work if they work together in how many days will the work be .
  - Suman and Latha working together then complete a task in 8 days . if Latha can complete the same task in 12 days then how many days will Suman take to complete the same task .
- A man walking at the rate of 5 Km per Hr crosses a bridge in 15 Min the length of the bridge .
  - A train is moving with the speed of 180 Km per Hr its speed [in meter per second] .
- Find the volume and surface area of a cuboid 16 Meters long, 14 meters broad and 7 meters high .
  - If the radius of a sphere is increased by 50% , find the increase percent volume increase percent in the surface area .

## **MODULES TO BE COVERED IN THE COURSE:**

### **Objective of Course:-**

The course will prepare the participants for the opportunities in the field of Government Jobs in banking sector, ssc exams for higher studies like SET, NET, MCA, MBA and post - Graduation

### **Eligibility for the course:-**

The Course is Open for the Economics Students in Graduation Level .As well as for the students who ever is preparing for competitive exams.

## LIST OF STUDENTS

S.NO	REG.NO	NAMEOFTHEPARTICIPANTS	CLASS
01	221107102002	KODAMANCHILI FEEBA	IBSC(MPCS)
02	221107102003	KODAMANCHILI JEFI	IBSC(MPCS)
03	221107102005	PALAPARTHI VEERA LAKSHM	IBSC(MPCS)
04	221107102001	CHINTHAGUNTA HEMA SATYA SAI.	IBSC(MPCS)
05	221107102004	KURIVELLA VYSHNAVI	IBSC(MPCS)
06	211107102006	MEDISETTY CHINNI KRISHNA.	IIB.Sc.(M.P.C)
07	211107102001	ANKEM VIJAYA LAKSHMI	IIB.Sc.(M.P.C)
08	211107102009	REKHA VANITHA.	IIB.Sc.(M.P.C)
09	211107102007	PETTA RAMA KRISHNA VENI.	IIB.Sc.(M.P.C)
10	211107102010	TADI ANUSUDHA.	IIB.Sc.(M.P.C)
11	211107102002	BAIRAJU SOWJANYA.	IIB.Sc.(M.P.C)
12	211107102004	EETHAKOTA PRAVEEN KUMAR	IIB.Sc.(M.P.C)
13	211107102003	BILLA THRIMURTHULA SATYA BHASKAR	IIB.Sc.(M.P.C)
14	211107102005	GURAJAPU LEELA MANOHAR MURTHY	IIB.Sc.(M.P.C)
15	211107110014	MADIYA HARSHINI VARSHITHA	IIB.Sc(B.Z.C)
16	211107110011	AKULA NAVYA SRI	II(B.Z.C)
17	211107110012	ENUKOTI SANDHYA	II(B.Z.C)
18	211107110016	MEKKA VIJAY LAKSHMI.	II(B.Z.C)
19	211107110015	MALLIMOGGALA MOUNIKA	II(B.Z.C)
20	211107110021	YALLA BHULAKSHMI.	II(B.Z.C)
21	211107110018	MOGAIPU PRASANTHI.	II(B.Z.C)
22	211107110013	KHANDAVALLI LOKESHWARI	II(B.Z.C)
23	211107110019	POLIMATI SAILAJA.	II(B.Z.C)
24	211107110017	MERIM D.R MANI KUMARI	II(B.Z.C)
25	211107110020	RELANGI ANUSHA	II(B.Z.C)

# INAUGURAL SESSION

## CERTIFICATE COURSE IN MATHEMATICS



### Government Degree College, Seethanagaram

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#### DEPARTMENT OF 'MATHEMATICS'



### CERTIFICATE COURSE

28<sup>TH</sup> JAN – 28<sup>TH</sup> FEB 2023

TOPIC ON

### 'COMPETATIVE MATHEMATICS'

COURSE DURATION :

28<sup>TH</sup> JAN – 28<sup>TH</sup> FEB 2023

30DAYS

MODE :

OFFLINE

## INAUGURATION CLASSES

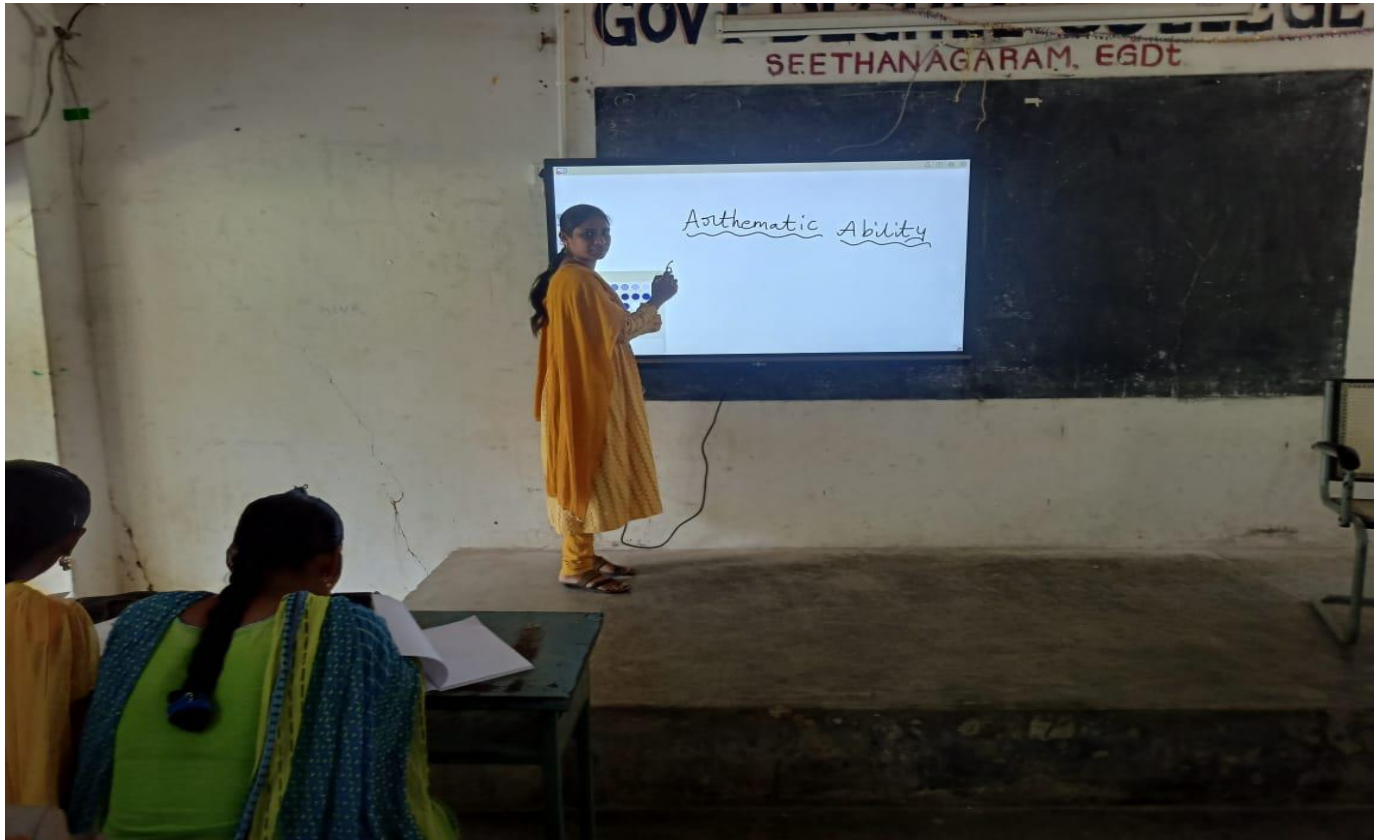
## CONDUCTING CLASSES FOR CERTIFICATE COURSE

## COMPETATIVE MATHEMATICS









# CERTIFICATES

Certificates will be awarded by our honorable college principal to the students who ever passed this examination.

**GOVERNMENT DEGREE COLLEGE, SEETHANAGARAM**  
*ESTD - 1983*  
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Opp. K.G.N.M.Trust, Purushottapatnam Road, Seethanagaram

**Department of MATHEMATICS**  
**CERTIFICATE COURSE**

*This is to certify that Mr/Miss \_\_\_\_\_  
s/o . d/o. \_\_\_\_\_ Class \_\_\_\_\_ has Successfully  
Completed his/ her Certificate Course in \_\_\_\_\_  
during the Academic year 20\_\_ - \_\_\_\_\_, He/She has secured Grade \_\_\_\_\_.*

**COURSE CO-ORDINATOR**                      **IQAC CO-ORDINATOR**                      **PRINCIPAL**









CERTIFICATE COURSE Attendance

2022-2023 T, II BSC & BZC

Name of the Office		Office Attendance										Register										Month February	Year 2023																
S No	NAME	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	REMARKS					
1	Kodamcheli Feeba		P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
2	Kodamcheli Jit Babu		P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	Palaparthi Srera Lakshmi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	Chintagunta Hemantgauri		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	Kurivilla vyshnavi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	Medisetty chinnikrishna		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	Ankem vijayalakshmi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	Rekha Vanitha		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	Patta Ramakrishnaveni		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	Tadi Anusudha		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11	Bals raja Sorojanya		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	E. Praveen Kumar		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Billa Trimurthula Satya Bhakti		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Gurrajapu Leela Manohar-moorthy		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Mediya Harishai varshitha		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Atulka Naryia sri		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Enukoti Sandhya		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Mekka Vijayalakshmi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Mallu magala Meenika		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Yalla Bhulalakshmi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Magalapu prasanthi		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Khandavali lokeshwari		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Polimati Sailaja		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Merim D.R. Manikumar		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Kalangi Anusha		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

THANK YOU