



GOVERNMENT DEGREE COLLEGE

RAZOLE, Dr B R AMBEDKAR KONASEEMA (Dist), A.P-533242

NAAC Re-Accredited with 'B' Grade



Bridge Course 2020-21

Government Degree College, Razole



Bridge Course

2020-21


Government Degree College, Razole. (E.G.Dt).

Department of Physics.

Bridge Course Syllabus B.Sc., Physics

Paper- I Mechanics, Waves and Oscillations

1. Scalars and vectors, scalar and vector product of two vectors, partial differentiations.
2. Newton's laws of motion, collision.
3. Rigid body, moment of inertia, angular momentum, torque.
4. Elasticity, Stress and strain, Hookes law, elastic constants, relation between elastic constants, poissons ratio.
5. Forces, nuclear forces, weak interaction forces, e.m .forces, gravitational forces.
6. Frames of references, inertial frame of reference, event and observer, relative velocity.
7. Wave motion, SHM characteristics, simple pendulum, principle of superposition of waves, damped oscillations forced oscillations.
8. Periodic functions
9. Longitudinal vibrations, transitional vibrations.
10. Sound waves, audible range, infrasonics, ultrasonics.


చేతక వాల్మీ రాజుపేట
ప్రభుత్వ కళాశాల, రాజ్ కోట



16. Govt Degree College, Razole.
Dept of Physics
Bridge course Attendance sheet 2020-21.

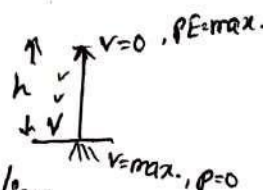
S.No	Name of the student	Attendance of classes Jan - Feb 2021								Test-5 th Feb 2021	
		27 th	28 th	29 th	30 th	1 st	2 nd	3 rd	4 th	Max	Marks 15
1	Jalli Suneeta	✓	✓	✓	✓	✓	a	✓	a		08
2	B.Gowri	a	✓	✓	✓	✓	✓	✓	a		07
3	D.Kavya	✓	a	✓	✓	✓	✓	a	✓		11
4	P.Vijaya lakshmi	✓	✓	a	✓	a	✓	✓	✓		08
5	A.Suvarna	✓	a	✓	✓	✓	✓	✓	✓		11
6	K.Pujitha	a	✓	✓	✓	✓	✓	✓	✓		13
7	K.Jyothi	✓	a	✓	a	✓	✓	✓	✓		09
8	S.Bhavani	✓	✓	✓	✓	a	✓	a	✓		08
9	K.Renuka Sai	✓	✓	✓	a	✓	✓	✓	✓		10
10	Angani Satyasri	✓	✓	✓	✓	✓	✓	✓	✓		08
11	SLV Satyaveni	✓	✓	✓	✓	✓	✓	✓	✓		08
12	B.Vijayeswari	✓	✓	✓	✓	a	✓	a	✓		09
13	K,Uma	✓		✓	✓	✓	✓	✓	✓		10
14	A.V.N.Jyothi	✓	✓	✓	✓	✓	a	✓	✓		08
15	K.Lasya Sri	✓	✓	✓	a	✓	✓	✓	✓		07
16	A.Jhansi Lakshmi	✓	✓	✓	✓	✓	a	✓	a		10
17	Mohammad Abbas	✓	✓	a	✓	✓	a	✓	✓		10
18	T.Madhu	✓	a	✓	a	✓	✓	✓	✓		10
19	K.Rupasri	✓	✓	✓	✓	✓	✓	a	✓		13
20	K.Latha	✓	✓	✓	a	✓	a	✓	✓		11
21	Y.Bharathi	a	✓	✓	✓	✓	✓	✓	a		11
22	Ch.Y.D.Bhavani	✓	✓	a	✓	✓	a	✓	a		11
23	P.Devi	✓	a	✓	✓	a	✓	a	✓		09
24	Rokkala Venkat	✓	✓	✓	a	✓	a	✓	✓		11
25	K.Jadadeesh	✓	a	✓	a	✓	✓	✓	✓		10
26	J.Subrahmanyam	a	✓	✓	✓	a	✓	a	✓		09
27	P.Vijay Kumar	✓	✓	✓	a	✓	a	✓	✓		10
28	N.satish Naidu	✓	a	✓	✓	a	✓	✓	✓		09
29	M.S.R.Krishna	a	✓	✓	✓	a	✓	✓	✓		08
30	V.S.S.Prasanna	✓	a	✓	✓	a	✓	a	✓		12
31	Ch.Chandralekha	a	✓	✓	✓	✓	✓	✓	✓		05

25 23 28 23 23 23 24 26
 ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

[Signature]
 5/2/21
 16 Govt Degree College, Razole

1. Product of Mass and Velocity is called: Momentum. [p = mv]
2. Which law is also called the law of inertia? Newton's second law.
3. What is the law of conservation of energy? Energy can change into one form to another form. But total energy is remains constant.
total energy = K.E + P.E
4. Velocity of the body at maximum height v = 0
5. $A \cdot B = |A| |B| \cos \theta$. is called dot product (or) scalar product.
6. $A \times B = |A| |B| \sin \theta \cdot (\hat{n})$ is called cross product (or) vector product.
7. Formula for kinetic energy = $\frac{1}{2} mv^2$
8. Formula for potential energy = $p = mgh$
9. When $A = a_x \hat{i} + a_y \hat{j} + a_z \hat{k}$ then $\text{Div } A = \nabla \cdot A = \hat{i} \frac{dA}{dx} + \hat{j} \frac{dA}{dy} + \hat{k} \frac{dA}{dz}$
10. $\Rightarrow \nabla \cdot A = \hat{i} \frac{d}{dx} (a_x \hat{i} + a_y \hat{j} + a_z \hat{k}) + \hat{j} \frac{d}{dy} (a_x \hat{i} + a_y \hat{j} + a_z \hat{k}) + \hat{k} \frac{d}{dz} (a_x \hat{i} + a_y \hat{j} + a_z \hat{k})$
 $\hat{i} \cdot \hat{i} = \hat{j} \cdot \hat{j} = \hat{k} \cdot \hat{k} = \dots 1$
11. What is the principle involved in the motion of Rocket. variable mass of rocket.
Trust (or) reduced energy. [f_ext + f_reaction = m \frac{dv}{dt}]
12. Work = Force x Time
13. The law which explains the force of attraction between two bodies Gravitational force
newton's second law.
14. Rate of change of velocity is called acceleration.
15. At which position is the kinetic energy maximum in S.H.M?

Ans:- At a body is moving from upward direction.
The body at starting position kinetic energy (K.E) is maximum. (i.e) K.E = max.



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Name: Mohammed Abbas I.B.Sc M.P.C / M.P.Cs Roll No:

1. Product of Mass and Velocity is called: momentum ($p = mv$)
2. Which law is also called the law of inertia? Newton's II law is also called the law of inertia
3. What is the law of conservation of energy? The total energy is remain constant
The energy can change from one state to another but total energy remain constant. Total energy = kinetic energy + potential energy
4. Velocity of the body at maximum height is zero.
5. $A \cdot B = |A| |B| \cos \theta$
6. $A \times B = |A| |B| \sin \theta (\hat{n})$
7. Formula for kinetic energy = $\frac{1}{2} mv^2$
8. Formula for potential energy = mgh
9. When $A = a_x i + a_y j + a_z k$ then $\text{Div } A = a_x + a_y + a_z$
10. $i \cdot i = j \cdot j = k \cdot k = \dots 1$
11. What is the principle involved in the motion of Rocket? is Newton's 3rd law.
For every action there is equal and opposite reaction. $F = F'$
12. Work = Force x time
13. The law which explains the force of attraction between two bodies law of gravitational force
14. Rate of change of velocity is called acceleration
15. At which position is the kinetic energy maximum in S.H.M?
At starting position the kinetic energy maximum in S.H.M.



* కుసుమ అభిషేక ముద్రా : నిజమై చింతించుట.

* తి.వెంకటేశ అభిషేకము ముద్రా "J.B కృష్ణ" నలన లాభం సిద్ధమయ్య
టావింపించుట.

* అభిషేకమునకి క్రమంగా నిర్ణయించు చెప్పిన అభిషేకము "రామమే" .

* 20 వ శతాబ్ది అంతకు అభిషేకము "నానామనంత క్రమ" 1936 వ
సంవత్సరం తన గ్రంథం "జీవిత భిక్షు అభిషేకము ముద్రా అభిషేక
నిందకేసు" రచించుట.

* ముద్రా, ముద్రా అనే ముద్రాను ముద్రామూలక సాహిత్యం 1933 వ
సంవత్సరం ముద్రా "రామమే క్రమ" రచించుట.

* అభిషేకమునకి ముద్రాకు అలలతో వచ్చిన అభిషేకము "ముద్రా" .

* ముద్రాకు 1944 వ సంవత్సరం ముద్రా ముద్రా సాహిత్యం "వినియోగదారుని ముద్రా"
రచించుట.

* "ఆరుమూల సిద్ధి" అభిషేకమునకి ముద్రాకు ముద్రామూలక క్రమంగా
రచించుట.

15/02/2021

BRIDGE COURSE 2020-2021


It is proposed to conduct "Bridge Classes" to the Non Economics, Vocational groups, Science groups in Intermediate as they are weak in subject. Intensive coaching is to be given to the students in "Basic concepts of Economics" from 2/02/2021 to 12/02/2021.

ABSTRACT

Name of the Faculty	Time - DATES
Smt. V.D.V.V. LAKSHMI	9.00 AM to 10. AM 2/02/21 to 12/02/21 (10 Days)

SYLLABUS FOR BRIDGE COURSE

- Introduction of Economics ←
- Utility Analysis ←
- Demand Analysis ←
- Production Theory ←


Principal
Govt. Degree College
NAAC 'B' Grade
RAZOLE - E.G.D1.

BRIDGE COURSE 2020-2021

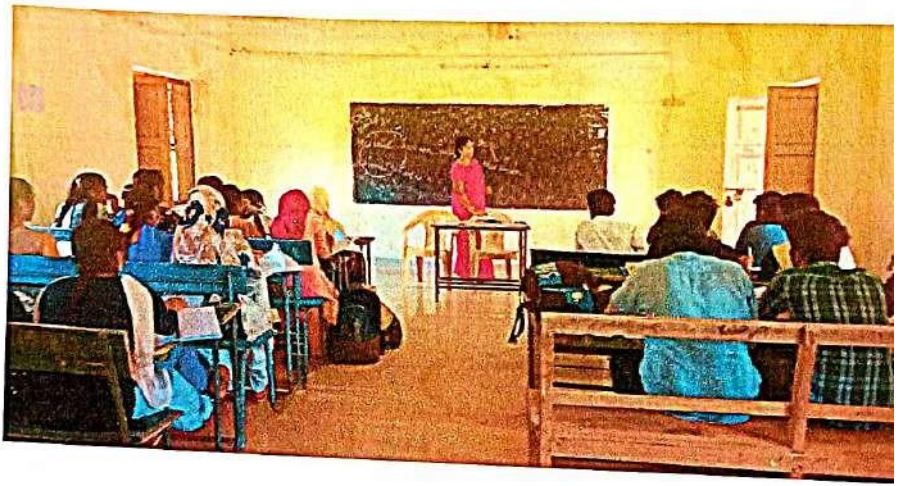
FOR NON-ECONOMICS STUDENTS

FROM: 2/02/2021 to 12/02/2021 → 10 Days. 9.00 AM to 10.00 AM

Before
Bridge
Course
After
Bridge
Course

S.NO	NAME OF THE STUDENT	2/02/2021	3/02/2021	4/02/2021	5/02/2021	6/02/2021	8/02/2021	9/02/2021	10/02/2021	11/02/2021	12/02/2021	Max Marks	Max Marks
1	M. SHIVA SURYA (MPC)	P	P	A	P	P	P	P	P	P	P	02	09
2	K. GEETA SAIGANESH	P	P	P	P	P	P	A	P	P	P	03	09
3	M. HEMANTH KUMAR	A	A	P	P	P	P	P	P	P	P	02	08
4	R. MADHU (MPC)	P	P	P	P	P	P	P	P	P	P	02	08
5	K.N. MALLESWARI (MPC)	P	P	P	P	P	P	P	P	P	P	03	10
6	Y. SARATH (MPC)	P	P	P	P	A	P	P	P	P	P	04	10
7	I. MANI RATNAM (MPC)	P	P	P	P	A	P	P	P	P	P	03	09
8	G. CH. SRAVANTHI (MPC)	P	P	P	P	P	P	P	P	P	P	02	08
9	P. JHANSI LAKSHMI (VOC)	P	P	P	A	P	P	P	P	P	P	02	08
10	S. MANOJA SRIVANDESI (MPC)	P	P	P	A	P	P	P	P	P	P	02	09
11	R. RANI (VOC)	P	P	P	P	P	P	P	P	P	P	03	10
12	M. PAVANI (VOC)	P	P	P	P	P	P	P	P	P	P	03	09
13	G.V.CH. BENNY (MPC)	P	P	P	P	P	P	P	P	P	P	03	10
14	M. MADHAVI DURGA (MPC)	P	A	P	P	P	P	P	P	P	P	02	08

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* ద్రువుల అర్థిక ముత్రి :- నిర్మల నివాసము.

* ఆపొరికన్ అర్థికాస్పష్టం "J.B కార్కె" చలన చిత్ర నిర్మాణాన్ని
రూపొందించారు.

* అర్థికాస్పష్టం కేంద్రాన్ని నిర్మించడం చేసిన అర్థికవేత్త "రాబిన్స్"

* 20 వ శతాబ్ది ప్రారంభ అర్థిక వేత్త "జాన్ మేనార్డ్ కిన్స్" 1936 వ
సంవత్సరం తన గ్రంథం "జనరల్ థియరీ ఆఫ్ ఎంప్లాయిమెంట్ మరియు
ఇంటరెస్ట్ మనీ" రచించారు.

* పాండ్రో, మాక్రో అనే పదాలను యెట్టయెట్ట సరిగ్గా 1933లో
సార్వే డిక్షనరీ "రాబర్ట్ థిల్" ఉపయోగించారు.

* అర్థికాస్పష్టం సమీక్షలు అలలతో పోలిన అర్థికవేత్త "మార్షల్"

* డ్యూపెట్ 1944 లో యెట్టయెట్ట సరిగ్గా "వినియోగదారుని యిగులు"
ఉ తిపించారు.

* "ఆదాయ సిక్రెట్" అర్థికాస్పష్టం సమీక్షకు సంబంధించిన క్రమంగా
ఇవ్వబడుతుంది.

15/02/2021

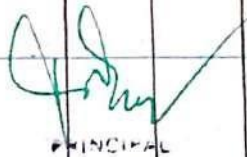
BRIDGE - COURSE - 2020 - 21

FOR Non Botany Students.

Department of Botany.

From: 1-2-21 to 10-2-21.

S. NO.	Name of the student	1/2/21	2/2/21	3/2/21	4/2/21	5/2/21	6/2/21	7/2/21	8/2/21	9/2/21	10/2/21	Grade
1.	K. Manoj Sairam	A	.	P	P	P	P	A	P	P	P	04 09
2.	K. Jahnave	P	P	A	P	P	A	P	P	P	P	06 10
3.	M. Sai	P	P	P	A	P	P	P	A	A	P	04 09
4.	K. Y. N. Sujia.	P	P	A	P	P	P	A	P	P	P	05 09



PRINCIPAL

Government Degree College
HAZOLE - E.S.91,

U. Sujatha

Lec. in Botany

1. Botany : study of plants
2. Taxonomy : జీవజన్మ వర్గీకరణా శాస్త్ర విభాగాన్ని Taxonomy
3. microbiology : సూక్ష్మ జీవల అధ్యయనాన్ని విశ్లేషించుటకు
4. cell biology : కణముల నిర్మాణం అధ్యయనం చేసే శాస్త్రాన్ని
5. కణముల క్రమగణన శాస్త్రము : సాంప్లయింగు
6. రుంధ: micrographia.
7. Compound microscope క్రమగణన శాస్త్రము : A.V లెవోవోఫ్.
8. వీర్యము వ్యాధికి 'టికా' మందు కనుగొన్న వారు. నాల్గో + నాల్గో
9. Virus అంటే 'Virus' అంటారు.
10. బెర్నార్డ్ కంప్టోన్లు ఇచ్చి, డింకే ప్రోటోప్లాస్ట్ కనుగొన్న కంప్టోన్
11. బెర్నార్డ్ కంప్టోన్లు ఇచ్చి, డింకే ప్రోటోప్లాస్ట్ అంటారు.
12. కార్ల రోజుల వృక్షాలు : నేలమధ్యము
13. సెల్ సింగింగులు అంటారు ప్రోటోప్లాస్ట్ కనుగొన్నారు
14. బెర్నార్డ్ కంప్టోన్లు ఇచ్చి, డింకే ప్రోటోప్లాస్ట్ కనుగొన్నారు
15. బెర్నార్డ్ కంప్టోన్లు ఇచ్చి, డింకే ప్రోటోప్లాస్ట్ కనుగొన్నారు.

July - 2016

As a Process of making, The students of I Semester to be acquainted with the knowledge required for the Course. They are Planned to go under an "orientation Programme" as per the Curriculum of the "Adikavi Nannaya University". The main of this Programme is to recollect the Concepts and formula of certain topics in Intermediate Course and which are now required. Some of the topics identified as essential for I Sem students to go through their syllabus and which are Planned to teach now are listed below.

- 1) Silicones structures and Preparation
- 2) 1°, 2°, & 3° alky's Preparation, Properties
- 3) Di-basate Preparations
- 4) Band Theory - metallic Theor'ys

5) free electrons Theory

6) Valence bond Theory with Examples of Structural Properties

7) All the basics of chemical formula of standard which are required for simple answer.

The above seven points are Planned to be taught in the Prescribed dates fixed by the "Adikavi Nannaya University" i.e. from 02/07/2016 to 09/07/2016.

Ms. S. S. S. S.
Lecturer in Charge

1	A. Jyothi	P	P	P	P	P	P
2	A. Durga Devi	P	P	P	P	P	P
3	B. Anura Lakshmi	P	P	A	P	P	P
4	G. Harsha	P	P	P	P	P	P
5	G. Anuradha	P	P	P	P	P	P
6	K. Padma Kotham	P	P	P	P	P	P
7	M. Naga Lakshmi	P	P	P	P	P	P
8	M. S. Haritha Valli	P	P	P	P	P	P
9	P. Sri Lakshmi	P	P	P	P	P	P
10	P. Sumanika	P	P	P	P	P	P
11	q. Jyothi	P	P	P	P	P	P
12	A. Vinay Kumar	P	P	P	P	A	P
13	Ch. Anas	P	P	A	P	P	P
14	K. Raja Kumar	P	P	A	P	P	P
15	P. Nagendra	P	P	P	A	A	P
16	R. Chaitanyavara Murthy	P	P	P	P	P	P
17	S.D. Pradeep Vasana	P	P	P	P	P	P
18	q. Srinidhi Rao	P	P	P	P	P	P
19	q. Naga Praveen	P	P	P	P	A	P
20	v. Narendran Kumar	P	P	P	P	P	P
21		P	P	P	P	P	P
22	Ch. Naga Lakshmi	P	P	P	P	P	P
23	Ch. Swapna	P	P	P	P	P	P
24	D. Kalpana	P	P	P	P	P	P
25	D. Prasanna	P	P	P	P	P	P
26	K. Dhya	P	P	P	P	P	P
27	A. Lakshmi Priya	P	P	P	P	P	P
28	P. Sreerika	P	P	P	P	P	P
29	K. Rani	P	P	P	P	P	P
30	Satyadhis	P	P	P	P	P	P

30.	V.M.S.D. Kalpana	P	P	P	P	P	P
31.	B. Chaitanyavara	P	P	P	P	P	P
32.	P. Lakshmi Priya	P	P	P	P	P	P
33.	V. Chand Kumar	P	P	P	P	P	P
34.	V. Narendran Kumar	A	A	A	A	A	A
35.	Ch. Anuradha	P	P	P	P	P	P
36.	D. Nishitha	P	P	P	P	P	P
37.	D. Sandhya	P	P	P	P	P	P
38.	K. Rani Kumar	P	P	P	P	P	P
39.	K. Sankaradevi	P	P	P	P	P	P
40.	P.D.M.S.L. Sumanth	P	P	P	P	P	P
41.	V. Kavitha	P	P	P	P	P	P
42.	B. Manohar Prasad	P	P	A	P	P	P
43.	S. Renuka Kumari	P	A	A	P	A	A
44.	B. Sri Sai Ram	P	P	P	P	P	A
45.	G. Sumanvada Rao	P	P	A	A	P	A
46.	G. Narendran Singh	P	A	A	A	A	P
47.	K. Sri Ganesh	P	P	A	P	A	A
48.	M. Anjitha	P	P	P	P	P	P
49.	P. R. Srinivas	A	A	A	A	A	A
50.	V. Venkata Reddy	A	A	A	A	A	A

2017-18

Bridge course

June 2014

As per the academic calendar issued by Adikavi

Nannaya University, Rajamahendravaram, It is proposed to conduct orientation programme for admitted batch of 2017-18 as in previous year in a view to recollect all the previous knowledge required to be used in the morning course.

Some of the topics which are identified to be essential for the present course, taken from oriented course as the case of the syllabus and is detailed below

- 1) Factors effecting of CFSE
- 2) Crystal field Theory
- 3) Tetrahedral, octahedral Complexes
- 4) Square Planar Complexes
- 5) Inter halogen Compounds

S.NO	Name of the Student	21/06/14	22/06/14
1)	Cokka Ramasai	A	A
2)	Gandham Chandra Sudheer.	A	A
3)	Kandikalla Lavanya	A	A
4)	Kondregula M.S.G. Bhavani	A	A
5)	Kanuri Nobul	A	A
6)	Kothapalli B.S. Vinaya Raka	A	A
7)	Methyala durga bhavani	A	A
8)	Ponnanna Vajaya Sai Lakshmi	P	A
9)	P.D.D. Prasad	A	A
10)	Pothula harika	P	P
11)	Puvvaka Sri Lakshmi	A	A
12)	R.L.V. Prasad	A	A
13-	Relangi Mahesh	A	A
14-	S. Rama Kumari	A	A
15-	Uduru Rathi Kumar	A	A
16-	B. Devi	A	A
17-	D. Jayathri	A	A
18-	Dokka Jayathri	P	P
19-	Dokka Suresha	P	P
20-	K. Durga Bhavani	A	A
21-	K. Vinaya	A	A
22-	Kandeti Sekhar	A	A
23-	K. V. Chuskar Varma	A	A
24-	K.V.P.L Annapurna Kalyani	A	A
25-	M. Mahesh Babu	A	A
26-	M. Nargiza Malika	A	A
27-	Nestipudi Anitha	P	P
28-	P. Bala Rajeswari	P	P
29-	P.R.B.S Sai Laxmi	A	A
30-	Sharmila	A	A
31-	Vanapalli Meghana.	A	A

On 21/6/14

Basics of trigonometry

states its values of certain

angles formulas of the half

angle, transformation formula have

been discussed

On 22/6/14

Concepts of derivatives, integration

methods of integration are

thoroughly revised and more

number of problems have been

given as Exercise to students

Md Ladi A. He
Lecturer in charge

Bridge course

As for the academic year (calendar)

wired by the Alkawi Nange University, Rajamaharajam

it is prepare a condation intantion programme for 1st session admitly

both of 2018-2019 as im previous year in a new its recalled all the

previous knowledge to be used in the coming course.

Some of the topic which are identified to be essential for the

present course taken from intermediate course in the case of the syllabus

and it is detailed below.

1) Preparation of Colloid

2) Homogenous and heterogeneous addition.

3) d block elements electron configuration

4) f-block elements electronic configuration

and oxidation state

5) Isolation of elements

1.	Ch. W.V.V.K. Rao	P	A	P				
2.	K. Sridhar	A	P	P				
3.	A.B. Sridhar	P	P	A				
4.	A. Krishna Rao	P	P	P				
5.	E. Vandana	A	P	A				
6.	C.D.P. Sridhar	A	P	P				
7.	D. Prashanthi	B	A	P				
8.	A.D. Prasanna	A	P	P				
9.	Z. Rajamata	P	A	P				
10.	M. Anvari	P	A	A				
11.	N. Ansha	P	P	A				
12.	P. Hemavathi	P	P	P				
13.	P.D. Phani	A	P	P				
14.	E. Jyothi	P	A	P				
15.	V. Hantha	P	P	P				
16.	L.K. Rama	A	P	P				
17.	K.B. Rao	A	P	P				
18.	N.D. Kumar	P	A	A				
19.	P.R.S. Jay's	P	P	P				
20.	S.N.D. Prasad.	P	A	P				
21.	G. Anjali	P	P	A				
22.	A. Nagarajaram	P	P	A				
23.	M. Venkata	P	P	P				
24.	P.V.P. Kishor	P	P	P				
25.	A. Sulevi	P	A	P				
26.	E.N. Lakshmi	P	P	P				
27.	B.D. Lakshmi	A	P	A				
28.	K.K. Sri	P	P	P				
29.	M.S. Devi	A	P	P				
30.	P.C.D. Mallika	P	A	P				
31.	R.S. Kumar	P	P	A				
32.	S.R. Devi	A	P	P				
33.	A.V. Kamana	P	A	P				
34.	K.H. Kumar	P	P	A				
35.	L.N.V.D. Prasad	A	P	P				

9 Oct/ 2018
18/10/18

Md Sadiq Aline
Lecturer in charge

Bridge course

As a process of making the students of 1st semester to be acquainted with knowledge required for the course they are planned to go a under an orientation programme as for the curriculum of the Adikavi Nannaya University. The main motto for this programme is to recollect the concepts and formulae of certain topics in intermediate course which are now required. Some of the topics identified as essential tools for 1st sem students to go through their syllabus and which are planned to teach now are listed below.

1) Co-ordination of Compounds

2) Nernst Equation

3) Relation b/w Gibb's Energy

4) Standard electrode Potential

5) Redox reactions

6) Stoichiometric defects

7) non-Stoichiometric defects

8) Bragg's Equation

9) Interstitial Centres

10) Vacancy Centres

BRIDGE COURSE

10/6/19 11/6/19 12/6/19 13/6/19 14/6/19 15/6/19

1.	B. Sriha	P	P	A	P	P	P
2.	K. Sravani	P	A	P	P	P	A
3.	K. Thanyaja	P	P	P	A	P	P
4.	K. Sri Gowri Sivani	P	A	P	A	P	P
5.	K. Hemasi	A	P	P	P	A	P
6.	N. Nayari;	A	P	P	A	P	A
7.	N. Durga	P	P	A	P	P	P
8.	P. Lavanya	P	A	P	A	P	A
9.	P. Grestanjali	A	P	P	P	A	P
10.	S. Purja Vincesha	P	P	P	A	P	P
11.	S. Mahalakshmi manasa	P	A	P	P	A	P
12.	N. Komali sai Malleswari	A	P	P	A	P	P
13.	V. Suma	P	P	A	P	P	P
14.	R. Someswara Sathyamanyana	A	P	P	P	A	P
15.	V. K. S. Krishna	P	P	P	P	P	A
16.	K. Tulasi ratnam	A	P	P	P	P	P
17.	Mathyala Sri	P	A	P	A	P	P
18.	P. Thanmayi	P	P	A	P	P	A
19.	A. N. Mosa Raju	P	P	A	A	P	A
20.	S. Durga Nagendra Varma	A	P	A	P	P	A

Md. Sadiq Ali
In-charge

Vice Principal
Govt. Degree College
NAAC 'B' Grade
RAZOLE - E.G.D.

As a process of making the students of 1st semester to be acquainted with knowledge required for the course they are planned to go under an orientation programme as for the curriculum of the Andhra University. The main motto of this programme is to recall the concepts and formulae of certain topics in intermediate course and which are now required some of the topics identified as necessary tools for 1st sem students to go through their syllabus and which are planned to teach now are listed below.


- ① P-block elements
- ② d-block elements
- ③ f-block elements
- ④ Crystal Systems, Bragg's Law
- ⑤ Gaseous state,
- ⑥ Types of solutions
- ⑦ Colligative Properties

Vice Principal
Govt. Degree College
NAAC 'B' Grade
RAZOLE - E.G.D.

ATTENDANCE FOR BRIDGE COURSE

2020-21

S.NO.	Name of the student	01/02/21	03/02/21	04/02/21	05/02/21	06/02/21	08/02/21	10/02/21	10/02/21
①	B. Vijeslwan:	A	P	P	P	P	P	A	P
②	S. S. Balasubramanyam	P	P	A	P	P	P	P	P
③	F. Abbas	P	A	P	P	A	P	P	P
④	A. Abbas Tchaari	P	A	P	P	P	A	P	A
⑤	M. Sai	P	P	P	A	P	P	P	P
⑥	M. Manikemas	P	A	P	P	A	P	P	P
⑦	R. Manikanta	P	P	P	P	P	A	A	P
⑧	R. Sowri	P	P	A	A	P	P	P	P
⑨	U. Srinubabu	A	P	P	P	P	A	P	P
⑩	Ch. G. Sri Sai	P	P	P	P	P	P	P	P
⑪	Jaya Ram	P	P	A	P	P	P	P	P
⑫	B. Srinivas	P	P	P	P	A	P	P	P
⑬	K. Rupa Sri	P	A	P	P	P	P	P	A
⑭	S. Pavani	P	P	P	P	P			P
⑮	R. Prashanthi	P	P	P	A	P			A
⑯	K. S. Swathi	P	P	A	P	P			P


 V.K. Prasad
 Dist. Degree College
 MAAC 'B' Grade
 RAJOLE - E.G.D.T.
 P

The bridge course for first semester B.com (General) and B.com (Computer Applications) student with the goal of developing knowledge in the basic commerce knowledge. The requirement of basic knowledge in accounting concepts, conventions and accounting rules for easily understanding the subject. This will become a base for better understanding the advanced subjects

Goal:

The course will serve as a intermediary for the new students with the aim of providing sufficient time to switch to the main subjects of the degree course. It is a breacktaking for them to prepare themselves before the start of first semester course for B.com students. The 10 hour program will prepare the students with the knowledge and confidence that needed to embrace the challenges.

Design:

The course consists of 10 hours of interactive classes. An internal examination will be conducted by the commerce department. The results will be shared and discussed with the students.

The intensive coaching is to be given to the students in "Fundamentals of Accounting" from 2/02/2021 to 12/02/2021.

ABSTRACT	
Name of the faculty	Time - Date 9.00 AM to 10 AM
Smt. N. Durga Devi	2/02/2021 to 12/2/2021 (10 days)

Syllabus for Bridge Course:

1. Introduction to Fundamentals of Accounting.
2. Classification of Accounts.
3. Principles of Accounts.
4. Concepts of Accounting.
5. Importance of Accounting.

P. P. Chand
Incharge of Dept.

N. Durga Devi

FBI Non-Commerce Students.

From 2/02/2021 to 12/2/2021 → 10 days.

S.NO	Name of the student.	2/2/21	3/2/21	4/2/21	5/2/21	6/2/21	7/2/21	8/2/21	9/2/21	10/2/21	11/2/21	12/2/21	Max M. 10	Max M. 10
1	M. L. Achintya	P	P	P	P	P	P	P	P	P	P	P	04	09
2	CH. Sravani	P	P	A	P	P	P	P	P	P	P	P	04	10
3	D. Veerendra	P	P	P	P	P	P	P	P	P	P	P	04	10
4	K. Pradeepa	P	P	P	P	P	A	P	P	P	P	P	02	09
5	B. Rama Kiran	P	P	P	P	P	A	P	P	P	P	P	02	08
6	P. Satya Krishna	P	P	P	P	P	A	P	P	P	P	P	02	08
7	G. Ravi kuman	P	P	P	P	P	P	P	P	P	P	P	04	10
8	M. Vikas	P	P	P	P	P	P	P	P	P	P	P	02	08
9	P. Phani teja	P	P	P	P	P	P	P	P	P	P	P	03	09
10	B. kamchana	P	P	P	P	P	P	P	P	P	P	P	04	10

* After Completion of the above Course test conducted with given below the Questions*

- Accounting principles are generally based on Subjectivity, Consistency in recording, practicability.
- Generally the Accounting means Business language.
- The system of recording transactions based on dual aspect concept is called Double Entry System.
- Which is the responsibility of accounting Classification, Summarising, Recording.
- According to concept the proprietor is treated as a Creditor to the extent of his capital. Business Entity Concept.
- According to going concern concept a business is viewed as having An indefinite life.
- Stock in trade does not include items held as fixed assets.
- The term fixed assets include Goodwill
- The term current assets does not include Buildings.
- Current liabilities do not include Capital.

BRIDGE COURSE ROUND R1

Name of the class : I BSc MPCs MCCs
~~Topic~~ Taken :
Date : 02.02.21 to 09.02.21

The following topics are covered under Bridge course
So as to bridge the gap between the student's previous
learning capabilities and their preparedness for the
3 year degree course in respect to the language of
English.

1. ALPHABET - VOWELS, CONSONANTS, SEMI VOWELS
2. SOUNDS - VOWELS, CONSONANTS.
3. STRESS & INTONATION.
4. BASICS OF GRAMMAR:
(a) ARTICLES (b) PREPOSITIONS
(c) TENSES (d) TYPES OF SENTENCES
(e) LISTENING (f) SOFT SKILLS.
5. STRUCTURE OF THE ENGLISH SENTENCE
6. PARTS OF AN ENGLISH SENTENCE
7. KINDS OF SENTENCES.

BRIDGE COURSE ROUND R1

Name of the class: I BSc MPCs MCCs

Topic Taken :

Date : 02.02.21 to 09.02.21

The following topics are covered under Bridge Course

So as to bridge the gap between the student's previous

learning capabilities and their preparedness for the

3 year degree course in respect to the language of

English.

1. ALPHABET - VOWELS, CONSONANTS, SEMI VOWELS

2. SOUNDS - VOWELS, CONSONANTS.

3. STRESS & INTONATION.

4. BASICS OF GRAMMAR:

(a) ARTICLES (b) PREPOSITIONS

(c) TENSES (d) TYPES OF SENTENCES

(e) LISTENING (f) SOFT SKILLS.

5. STRUCTURE OF THE ENGLISH SENTENCE

6. PARTS OF AN ENGLISH SENTENCE

7. KINDS OF SENTENCES.

ICBZ

? ATTENDANCE :

Sl no.	Name of the student	01.02.21	02.02.21	03.02.21	04.02.21	05.02.21	06.02.21	07.02.21
1.	A.V.N. Syothi	P	A	P	P	A	P	P
2.	K. Latha	A	P	P	P	P	P	P
3.	A. Swarna	A	P	P	P	A	P	A
4.	G. Kavya	P	P	A	A	P	P	P
5.	K. Pojitha	P	A	P	P	P	P	A
6.	Ms. Shankar	P	P	P	A	P	P	P
7.	B. Srinivas	A	P	P	P	A	P	A
8.	G. Samyuktha	P	P	P	A	P	P	P
9.	T. Madhu	P	A	A	P	A	A	P
10.	S.V.S. Manikantha	A	P	P	A	P	P	P
11.	P. Vijay Kumar	A	P	P	P	A	P	P
12.	U. Raju	P	P	A	P	P	P	A
13.	D. Pawan	P	A	P	P	A	P	P
14.	S. Sreeja	P	P	A	P	P	A	P

02

02

02

02

02

02

Pranav Vignani

BRIDGE COURSE-II

2020-2021

Name of the class taken: IRBA/B.Com

Dates: From 16.02.21 to 24.02.2021

The following topics are covered under bridge course
So as to enable the following students to catch up with
the other Peer group students.

1. SOUNDS & ALPHABET: VOWELS/CONSONANTS.
2. INTONATION - RHYTHM.
3. VERB FORMS.
4. ARTICLES & PREPOSITIONS.
5. PARAGRAPH STRUCTURE.
6. TYPES OF SENTENCES.
7. STRUCTURE OF SENTENCES.
8. PARTS OF A SENTENCE.
9. SUBJECT-VERB AGREEMENT.
10. SINGULAR- PLURAL - IRREGULAR PLURAL

I Beam

: ATTENDANCE:

S/No	Name of the Student	10/02/24	11/02/24	12/02/24	13/02/24	14/02/24	15/02/24	16/02/24	17/02/24	18/02/24	19/02/24
1.	B. R. Kiran	P	P	A	P	P	P	P	P	P	A
2.	C. V. Bala Kiran	P	A	P	P	A	P	A	P	P	P
3.	M. Gayathri	A	P	P	A	P	P	P	A	A	P
4.	M. Adi Esvar	P	P	P	A	P	P	A	P	P	P
5.	N. Jaya Sri	A	P	P	P	A	P	A	P	P	P
6.	S. N. Sat Ram	A	P	P	A	P	P	A	P	A	P
7.	Y. Sravan	P	P	P	P	P	P	P	P	P	P
8.	D. Veerendra	A	P	P	P	P	A	P	P	P	P
9.	K. K. N. Swamy	P	A	A	P	P	A	A	P	P	A
10.	M. Santhosh	P	P	P	A	P	P	P	P	P	P
11.	M. Vekas	P	P	P	A	P	P	A	P	P	A
12.	N. Hewa	A	A	A	P	P	P	P	A	P	P
13.	P. P. Teja	A	A	P	P	P	P	P	P	P	A
14.	C. Rakesh	P	P	P	P	A	P	P	P	A	P
15.	R. Madhu	P	P	A	P	P	A	A	P	P	A
16.	K. Neelima	P	P	P	P	P	P	P	P	P	P
17.	K. N. Kumar	A	P	P	A	A	A	A	P	P	A
18.	M. D. Rani	P	P	P	P	P	P	P	P	P	P
19.	Y. Sarath	P	P	A	P	P	P	P	P	P	A
20.	K. Sri Durga	P	P	A	P	P	P	P	P	P	A

Bridge Course - 2020 - 2021

Bridge Course - 2020 - 2021

For Non - History Studies

2021

From 02-2/2021 to 12-2/2021 → 10 days
4 PM to 5 PM

Max. Marks: 10

After
the
exam

S.No. Name of Student

S.No.	Name of Student	2/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	Total	Grade
1	M. Saie Sange (MPE)	P	P	P	A	P	P	P	P	P	P	P	04	B
2	K. Githisai Negavis (MPE)	P	P	P	P	P	A	P	P	P	P	P	03	C
3	M. Hemant Kumar (MPE)	A	P	P	P	P	P	P	P	P	P	P	04	C
4	R. Madhu MPE	P	P	P	P	P	P	P	P	P	P	P	02	C
5	K. N. Malleshwari (MPE)	P	P	P	P	P	P	P	P	P	P	P	04	C
6	Y. Sreetha (MPE)	P	P	P	P	P	P	P	P	P	P	P	03	C
7	T. Mani Ratha (MPE)	P	P	P	P	P	P	P	P	P	P	P	02	C
8	G. Ch. Sravanthi (MPE)	P	P	P	P	P	P	P	P	P	P	P	04	C
9	P. Jhanvi Lakshmi (Voc)	P	P	P	P	P	P	P	P	P	P	P	04	C
10	S. Manjula Srejanika (MPE)	P	P	P	P	P	P	P	P	P	P	P	02	C
11	K. Rami (Voc)	P	P	P	P	P	P	P	P	P	P	P	02	C
12	M. Parvati (Voc)	P	P	P	P	P	P	P	P	P	P	P	04	C
13	G. V. Ch. Ranjitha (MPE)	P	P	P	P	P	P	P	P	P	P	P	05	C
14	M. Madhavi Sange (MPE)	P	P	P	P	P	P	P	P	P	P	P	03	C

It is proposed to conduct Bridge (course) classes to the Non - History, Vocational groups, Science groups in Automobile as they are weak in Subject. The intensive coaching is to be given to the students in "Basic Concepts of ~~Geography~~ History" from 02/2/2021 to 12/2/2021.

Name of Faculty	Time - Date
	4 - 5 PM 2/2/2021 to 12/2/21
10 days	

Syllabus for Bridge course.

- Introduction of History
- Sources of the History
- Various Dynasties
- Periods of the History (Chronological order)
- Some important dates.

KR

Questions

1. What is the other name for Indus Valley civilizations - Harappa.
2. What is the animal did not known to Harappa.
- Horse
3. Who was Jainism's founder - Rishabhdev.
4. What do you mean by Buddha - Wise.
5. Ashoka has done the famous war - Kalinga ^{261 BC}.
6. Chandragupta belongs to which dynasty - Maurya.
7. Who was the founder of Chola dynasty ^{Vijayalaya} ~~Vijaya~~.
8. Who was founder of Nalanda University. ^{Kemura Gupta}.
9. South Indian Napoleon was regarded as - Rajendra Chola.
10. Kakatiya's capital was - Orugallu.

K. N. N. N.
28/8/22
J.D.

2020-21

GOVERNMENT DEGREE COLLEGE, RAZOLE
BRIDGE COURSE RECORD
DEPARTMENT OF MATHEMATICS

As a process of making the students of I Semester to be acquainted with knowledge required for the course they are planned to go under an orientation programme as for the curriculum of the Adikavi Nannaya University the main motto of this programme is to recollect the concepts and formulae of certain topics in intermediate course and which are now required some of the topics identified as essential tools for I Sem Students to go through their syllabus and which are planned to teach now are listed below


1. Fundamentals of Trigonometry - Important formulae
2. Transformation, hyperbolic functions, inverse functions etc.
2. Concept of differentiation - Derivatives of various formulae etc.
Types of differentiation.
3. Methods of finding roots of a Quadratic, cubic, biquadratic equations
Synthetic division to find the roots
4. General equation of a circle, parabola, ellipse, hyperbolas and
basic properties.

5. Binomial expansion of a rational index


6. Integration formulae - Methods of integration

7. All basic formulae of high schools standard which are required for simplification of the Answer.

VSV Krishna Murthy
Lecturer in Mathematics

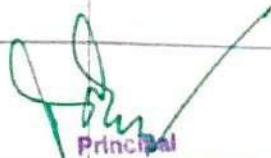

Vice Principal
Govt. Degree College
RAAC 'B' Grade
RAJOLE - E.G.D.

		$\frac{1}{10}$	$\frac{1}{20}$	$\frac{1}{30}$	$\frac{1}{40}$	$\frac{1}{50}$	$\frac{1}{60}$	
1	Jalli Suneetha	P	P	P	P	P	P	1. Fundamental of Trigonometry
2	A.V.N. Jyothi	P	A	P	P	P	P	Important-formulae
3	Kumba Jyothi	P	P	A	P	P	P	2. Concept of differentiation
4	Bayi Gouri	A	P	P	P	A	P	difference of various-formulae
5	Ch. Y. D. Bhavani	P	A	P	A	P	P	3. Method of finding roots
6	K. V. Rama Krishna	P	P	P	P	A	P	4. General equation of circles, parabola, ellipse.
7	Narina T. R. S. Naidu	P	P	P	A	P	P	
8	Pamela Vijaya Kumar	P	P	A	P	P	A	5. Binomial expansion of a rational index
9	S. V. S. S. Manikanla	P	P	P	P	P	A	
10	Rusuma P. Varma	A	P	P	P	P	P	6. Integration-formulae
11	Kalta Jagadeesh	P	P	P	P	P	P	7. All basic-formulae of high school.
12	Mattaparthi S. Sankar	A	P	P	P	P	P	
13	Dalli S. Vardhan	P	P	P	A	P	P	
14	R. Venkat	P	P	P	P	A	P	
15	Pati Sai Muelthy	P	P	A	P	P	P	
16	Kolli Manikanla	P	P	P	P	P	P	
17	N. Srinu Babu	P	A	P	P	A	P	
18	B. Jaya Ram	P	P	A	P	P	P	
19	Ch. G. Sri Sai	A	P	P	P	P	A	
20	Ali Abbas Teharani	P	P	P	A	P	P	
21	D. Pavan	P	A	P	P	P	P	
22	S. S. Bala Subrahmanyam	P	P	P	A	P	P	


 Vice Principal
 Govt. Degree College
 RAAC 'B' Grade
 RAJOLE - E.G.D.

VSV Kishor Murthy
 Lecturer in Maths

1. అజనల క్రమము తిక్కం, నిర్జనము, పరిశ్రమ క్రమము
2. రాజనల క్రమానికి ఇతర సాంఘిక క్రమాల గల సంబంధము
3. అజనల క్రమ తిక్కంయనంల ప్రయోగము, పరిశ్రమనామము
4. అజనల తిక్కం, నిర్జనము, లక్షణములు
5. సాంఘిక పరిశ్రమ నిర్మాణము
6. సాంఘిక సేవకు సంబంధించిన నిర్మాణములు
7. సాంఘిక సేవకు సంబంధించిన నిర్మాణములు
8. తిక్కంలకు అజనల లక్షణములు అవసరములు
9. సాంఘిక అజనల వివరములు, లక్షణములు


 Principal
 Govt. Degree College
 NAAC 'B' Grade
 RAZOLE - E.G.O.L.

BRIDGE COURSE 2020-2021

BA HEP
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FOR NON POLITICAL SCIENCE STUDENTS

FROM 14.2.2020 to 19.2.2021

Exposed Bridge Course.  
 After Bridge Course

| S.No. | Name of the Students      | 14/2 | 15/2 | 16/2 | 17/2 | 18/2 | 19/2 | Max Marks | Max Mark |
|-------|---------------------------|------|------|------|------|------|------|-----------|----------|
| 1     | M. SHIVA SURYA (MPC)      | P    | P    | P    | P    | P    | P    | 03        | 7        |
| 2     | K. GEETA SAI GANESH       | P    | P    | P    | P    | P    | P    | 03        | 6        |
| 3     | M. HEMANTH KUMAR (MPC)    | P    | P    | P    | P    | P    | P    | 04        | 6        |
| 4     | R. MADHU MPC              | P    | P    | P    | P    | P    | P    | 02        | 5        |
| 5     | K.N. MALESWARI (MPC)      | P    | P    | P    | P    | P    | P    | 03        | 7        |
| 6     | Y. SARATHI (MPC)          | P    | P    | P    | P    | P    | P    | 02        | 6        |
| 7     | T. MANI RATNAM (MPC)      | P    | P    | P    | P    | P    | P    | 03        | 8        |
| 8     | G. CH. SRAVANTHI (MPC)    | P    | P    | P    | P    | P    | P    | 02        | 6        |
| 9     | P. JHANSI LAKSHMI (VOC)   | P    | P    | P    | P    | P    | P    | 02        | 5        |
| 10    | S. MANOJA SRUJANA SAI MPC | P    | P    | P    | P    | P    | P    | 03        | 9        |
| 11    | R. RANI VOL               | P    | P    | P    | P    | P    | P    | 02        | 5        |
| 12    | M. PAVANI VOL             | P    | P    | P    | P    | P    | P    | 03        | 9        |
| 13    | G.V.CH. BENNY MPC         | P    | P    | P    | P    | P    | P    | 03        | 8        |
| 14    | M. MADHAVI DURGA MPC      | P    | P    | P    | P    | P    | P    | 02        | 6        |

TIME 4 to 5 PM.

Principal  
Govt. Degree College  
NAAC 'B' Grade

1 2 3 4 5 6 7 8 9 10 11 12



ఉన్న ప్రథమ సం॥ము విద్యార్థులను సముపాగా

లయందు చేసెడిది. ఉన్న విద్యార్థుల ఉండెల విలపము

లయందు చేసెడిది. ఉన్న విద్యార్థుల మేల్ ప్రేరణ  
కల్పించెడిది.

① రాజనీతి

ఈ విద్యార్థులకు ఉన్న ఉండెల  
విలపము తెలుసు చేసెడిది.

② కృషి — భారత దేశము ఉన్న  
ఆర్థిక విషయము  
తెలుసుకొని.

③ నీతిని సమాచారము — ఈ విద్యార్థులకు ఉన్న  
విలపము తెలుసు గుర్తింపు  
చేసెడిది.

④ వ్యాకరణము — సంఖ్యలు/  
సమస్యలు.

|                    |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|
| 1. B. Naveen       | P | P | P | P | P | P |
| 2. M. Siva Surya   | P | P | P | P | P | P |
| 3. B. D. Vinay     | P | P | P | P | P | P |
| 4. B. Kishore      | P | A | P | P | A | P |
| 5. S. Srujana      | P | P | P | P | A | P |
| 6. M. Adi Eswar    | A | P | P | P | P | P |
| 7. M. Durga Prasad | A | P | P | P | P | P |
| 8. P. Pariteja     | P | A | P | P | P | P |
| 9. S. Pavani       | P | P | P | P | P | P |
| 10. Rajmani        | P | P | P | P | P | P |
| 11. M. Sakhil      | P | P | P | P | P | P |
| 12. S. Satyaveni   | P | P | P | P | P | P |
| 13. A. Satya Sri   | P | P | P | P | P | P |

7/2





GOVERNMENT DEGREE COLLEGE  
 RAZOLE - 533242, EAST GODAVARI (Dist), A.P  
 NAAC Re-Accredited with 'B' Grade



**DEPARTMENT OF ZOOLOGY**

**BRIDGE COURSE 2020-2021.**

| S.NO | Name of the students | 1/7 | 2/7 | 3/7 | 4/7 | 5/7 | 6/7 | 7/7 | 8/7 | 9/7 | 10/7 | marks / Attendance |
|------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| 1.   | M. Renuka            | A   | P   | P   | P   | P   | P   | A   | P   | P   | P    | 04/08              |
| 2.   | T. Mounika           | P   | P   | A   | P   | P   | A   | P   | P   | P   | P    | 06/10              |
| 3.   | K. Satwika           | P   | P   | P   | A   | P   | P   | P   | A   | A   | P    | 04/10              |
| 4.   | N. Sangeetha         | P   | P   | A   | P   | P   | P   | A   | P   | P   | P    | 05/09              |
|      |                      | H   | H   | H   | H   | H   | H   | H   | H   | H   | H    | 2                  |

M. Lailaya  
 Lecturer in Zoology  
 Government Degree College

Principal  
 Government Degree College  
 RAZOLE - EAST GODAVARI  
 JUNE



1. ఆంధ్రుల ఐతిహాసము త్వరణం "కలకాండ కథలు"
2. ఆంధ్రుల ఐతిహాసము నరకం "సప్తత"
3. ఆంధ్రుల ఐతిహాసము కలకాండం "కలకాండ కథలు"
4. కలకాండం కథ "కలకాండం - కథానామకం"
5. భాగవతములు "కలకాండం"
6. కలకాండం కథానామకం "కలకాండం"
7. కలకాండం కథానామకం "కలకాండం"
8. కలకాండం కథానామకం "కలకాండం"
9. కలకాండం కథానామకం "కలకాండం"
10. కలకాండం కథానామకం "కలకాండం"
11. కలకాండం కథానామకం "కలకాండం"
12. కలకాండం కథానామకం "కలకాండం"
13. కలకాండం కథానామకం "కలకాండం"
14. కలకాండం కథానామకం "కలకాండం"
15. కలకాండం కథానామకం "కలకాండం"