

SRI A.S.N.M GOVERNMENT COLLEGE (A),  
PALAKOL, W.G.DT-534260.



DEPARTMENT OF MATHEMATICS

BRIDGE COURSE

2017-2018

## Bridge Course

### Course Objectives:

- Bridge courses are designed to help students transition from one Academic level to another.
- Students can be used to move from junior college to Degree College.
- Give students the confidence and skills to successfully transition to college and new curriculum.
- Bridge course gives them a breather, to prepare themselves before the onset of courses for first year degree programme.

### Skills Achieved:

- Students get a stronger foundation in fundamental in Mathematics Concepts
- students overcome any challenges they may face when transitioning to college-level coursework.

### Values Achieved:

- This course helping students develop a more well-rounded understanding of core concepts in Mathematics.

### Feedback of Students:

- Students expressed thanks to faculty by conducted the Bridge Course classes.
- Students also expressed that the fear in core subject will remove through this classes.
- Students expressed that they will learn the mathematics with free mind.

## BRIDGE COURSE 2017-2018

The Department of Mathematics conducted Bridge Course for the Academic year 2017-2018 from 24-07-2017 to 31-07-2017. The Department send the circular to first year M.P.C(TM), M.P.C(EM), M.P.Cs students to attend classes students who are came from non Maths in intermediate and interested students are attended for this Bridge Course. The mathematics lecturers explained Differntiation , Integration formulas and the Basics in mathematics in these classes.

The following areas were concentrated in these classes

- Differentiation formulas and applications
- Integration formulas and applications
- Definitions of Trigonometric Ratios and their Values  $0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ$
- Basic formula of hyperbolic functions and inverse functions
- Formulas related to Circle, Sphere and Cone



Circular

2017-2018 06 29

It has been decided to conduct a bridge course to the newly admitted 1<sup>st</sup> year batch of B.Sc. in the subject Mathematics for good understanding of the syllabus of Mathematics and also to fill the gaps of their lower stages. Topics are covered listed below. These students completed Intermediate (Vocational) course in non-science branches.

- 1) Differentiation formulae & applications.
- 2) Integration formulae & applications.
- 3) Definitions of trigonometric ratios, the values of  $0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ$ .
- 4) Formulae for sphere, circle, cone equations.
- 5) Basic formulae of hyperbolic functions & inverse functions.
- 6) Trigonometric sum, difference formulae & some applications.

Name of the student	Class	Signature of the student
1) peethani Pavan (Intermediate EET)	IBSC(MPCS)	P Pavan
2) S.GOPIVARA PRASAD (Open School)	IBSC(MPCS)	S. G. V. Prasad
3) T. Samuel (EET group)	IBSC(MPCS)	T. Samu

K. Srinivasulu  
Signature of the Lecturer

## Attendance

30

S.no	name of the student	24/7/2017	25-07-2017	28-07-2017	31-07-2017
1)	Poethani Pavani		P	P	P
2)	S Gopi vasna prasada		P	P	P
3	T Samuel		P	P	P

Study Material

