

**SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION**

DATED: 21/08/19


NOTICE

Students of BCA 1st year belonging to Non Maths stream are identified for remedial classes in Mathematics, so that they may improve their basic understanding of the subject. The remedial class will commence from Monday dated 26/08/19 as per the schedule:

Day	Mon, Wed, Fri
Timing	2:40-3:30 pm
Venue	Room G2, First Floor, SRC

The list of identified students is pasted on the notice board for the reference of the students. All such students are expected to attend the classes regularly.


The students will be assessed for progress after the completion of the course.



(Dr. Nishant Kumar Rathi)


Dean C.A.


CC: 1. The Director : SRC for information.

2. Dr. Vinit Kumar 

3. Mr. Sidhant Garg 

4. Mr. Yogendra Kumar 

5. Mr. Ankur Verma 


Co-ordinator
IQAR Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Department of Computer Application

Shri Ram College, Muzaffarnagar

Syllabus for Remedial Mathematics (BCA I Year)

Session: 2019-20

Duration: 20 hrs

Course Objectives:

- This is an introductory course in mathematics, the subject deals with introduction to Algebra, Trigonometry, Co-ordinate geometry and elementary Calculus.

Course Outcome:

- The student will learn the basics of mathematics which will be helpful in pursuing further studies in BCA course.

UNIT I

Algebra: Polynomials, Zeros of a Polynomial, Division algorithm for Polynomial, Principles of Mathematical Induction, Linear and Quadratic Equations, AP, GP and HP, Binomial theorem, Partial fractions, Matrices and Determinants

UNIT II

Trigonometry: Measurement of angles, trigonometry functions and trigonometric identities, Trigonometric ratios of complementary angles, compound angles, trigonometry ratios of multiple angles ($\sin 2\theta$, $\cos 2\theta$, $\tan 2\theta$), simple problems on heights and distances.

UNIT III

Co-ordinate Geometry: Distances between two points, Section formula, Area of a triangle, division of line segment, Graphs of Linear Equations.

Unit IV Calculus: Functions, Limits and Continuity, Simple Differentiation and Integration formulas.

- Books Recommended:**
1. A textbook of Mathematics for XI-XII Students, NCERT Pub.
 2. R.S. Aggarwal Senior Secondary School Mathematics for Class XI and XII.
 3. R.D. Sharma Mathematics for Class XI and XII

Course Design Team:

Mr. Sidhant Garg

Mr. Yogendra Kumar

Mr. Ankur Verma

Recommended By:

(Dr. Nishant Kumar Rathi)

Dean, CA

Approved By:

(Dr. Aditya Gautam)

Director

(Dr. Vinit Kumar Sharma)

Co-ordinator, IQAC

**Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar**

**Principal
Shri Ram College
Muzaffarnagar**

BCA 1st MATHS (Remedial Class) – 2019-20
List of participants students

S.No.	Student Name
1	Surbhi Aggarwal
2	Sneha Pandey
3	Harshee Suini
4	Shivani Kashyap
5	Naina Bhardwaj
6	Vanshika Goel
7	Mehak Gour
8	Javed khan
9	Samrat Chauhan
10	Aditya Bhardwaj
11	Moh Rihan
12	Akshay Kumar
13	Javed All
14	Saurabh Kumar
15	Suraj Sharma
16	Nitin Goel
17	Avi Kashyap
18	Bhaskar
19	Anuj Kr Sharma
20	Sonu Kumar
21	Saumya Tomar
22	Bhavya Kushwaha
23	Aleena Siddiqui
24	Shubham Kumar
25	Aas Mohd
26	Mohd Junaid
27	Mohd Shadab

Sub Teacher-

1. Dr. Vinit Kumar
2. Mr. Sidhant Garg
3. Mr. Ankur Verma
4. Mr. Yogendra Kumar

Dr. Nishant Kumar Rathi
Dean C.A.

Co-ordinator
IDAC, Shri Ram College
Muzaffarnagar

Principal
Shri Ram College
Muzaffarnagar

Lecture Register Subject Remedial Maths

Sr. No.	Name of Student	Fl	1	2	3	4	5	6	7	8	9	10
1.	SURBHI ALGOLAKSHI		P	P	A	P	P	P	P	P	P	P
2.	SHEILA		P	A	P	P	P	P	P	A	P	A
3.	HARSHÉE SAINI		P	P	P	P	A	P	P	P	A	P
4.	SHIVANI KASHYAP		P	P	A	P	P	A	P	P	P	P
5.	NAIHA BHARDWAJ		P	A	P	P	P	P	P	P	P	A
6.	VANSHIKA GOEL		P	P	P	A	P	P	P	P	P	P
7.	MEHAK GOUR		P	P	A	P	P	P	P	A	P	P
8.	JAVED KHAN.		P	A	P	P	P	P	P	P	P	P
9.	SAMRAT CHAUHAN		P	P	P	A	P	P	P	A	P	P
10.	ADITYA BHARDWAJ		P	P	A	P	P	P	P	P	P	P
11.	MO. RIHAN		P	P	P	P	A	P	P	P	P	P
12.	AKSHAY KUMAR		P	A	P	P	P	P	A	P	P	P
13.	JAVED ALI.		P	P	P	A	P	P	P	A	P	P
14.	SAURABH		P	P	P	P	P	A	P	P	P	P
15.	SURAT SHARMA		P	A	P	P	P	P	P	P	P	A
16.	NIHIN GOEL		P	P	P	A	P	P	A	P	A	P
17.	AVI KASHYAP		P	P	A	P	P	P	P	P	P	P
18.	BHASKAR.		P	A	P	P	P	P	A	P	A	P
19.	ANUS KE SHARMA		P	P	P	P	A	P	P	P	P	P
20.	SONU KUMAR.		P	P	P	P	P	A	P	P	P	A
21.	SAUMYA TOMAR.		P	P	A	P	P	P	P	A	A	P
22.	BHAVYA KUSHWAHA		P	A	P	P	P	P	P	P	P	A
23.	ALEENA SIDDIQI		P	P	P	P	A	P	P	P	A	P
24.	SHUBHAM KUMAR		P	P	A	P	P	P	P	P	P	A
25.	ANK. MOHD.		P	A	P	P	P	P	P	P	P	P
26.	MOHD. JUNAID.		P	P	P	A	P	P	P	A	P	P
27.	MOHD. SHADAB.		P	P	P	P	A	P	P	P	P	A

Co-ordinator
IQAC, Sri Ram College
Muzaffarnagar

Sig. of Lecturer

Class B.C.A Ist Section A, B, C Month August 2019
Sep, Oct

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
1	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
3	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
4	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
5	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
6	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
7	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P								
8	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
9	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
10	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P								
11	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
12	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P								
13	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P								
14	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P								
15	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
16	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
17	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P								
18	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P								
19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
20	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P								
21	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P								
22	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P								
23	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P								
24	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P								
25	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P								
26	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P								
27	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P								

Principal
Sri Ram College
Muzaffarnagar

Sig. of Lecturer

Shri Ram College, Muzaffarnagar
BCA 1st Semester

Remedial Mathematics-Test Paper 2 (2019-20)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 16 = 0$

- 1) $x = -4, x = 4$ 2) $x = 4, x = 4$ 3) $x = -4, x = -4$ 4) None

Q.2- Solve the following equation -

$x + y = 10, x - y = 2$

- 1) $x = 3, y = 5$ 2) $x = 6, y = 4$ 3) $x = -5, y = -3$ 4) $x = 3, y = -5$

Q.3- What is the smallest twin prime number-?

- 1) 3, 5 2) 11, 13 3) 5, 7 4) 17, 19

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 2, 3, 4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 75^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2\sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2\sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

2, 4, 8, 16,

- 1) 21 2) 22 3) 20 4) 2

Q.9- The sum of two numbers is 15. If the sum of their reciprocal $15/54$. Find the numbers.

- 1) $x = 9, y = -6$ 2) $x = -9, y = 6$ 3) $x = -9, y = -6$ 4) $x = 9, y = 6$

Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....

Signature of Subject Teacher.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Shri Ram College, Muzaffarnagar
BCA 1st Semester

Remedial Mathematics-Test Paper 1(2019-20)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 9 = 0$

- 1) $x = -3, x = -3$ 2) $x = 3, x = -3$ 3) $x = 3, x = -3$ 4) $x = 3, x = -3$

Q.2- Solve the following equation -

$x + y = 8, x - y = 2$

- 1) $x = 3, y = 5$ 2) $x = 5, y = 3$ 3) $x = -5, y = -3$ 4) $x = 3, y = -5$

Q.3- What is the smallest prime number?

- 1) 2 2) 1 3) 3 4) 0

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 2, 3, 4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 75^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2 \sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2 \sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

2, 4, 8, 16,

- 1) 21 2) 22 3) 20 4) 2

Q.9- The sum of two numbers is 15. If the sum of their reciprocal $15/54$. Find the numbers.

- 1) $x = 9, y = -6$ 2) $x = -9, y = 6$ 3) $x = -9, y = -6$ 4) $x = 9, y = 6$

Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....

Signature of Subject Teacher.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

**Department of Computer Application
Shri Ram College, Muzaffarnagar**

Remedial Class in Mathematics (2019-20)

Performance Analysis

Total Marks: 10

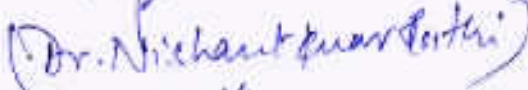
S.No.	Student Name	F.I.	Before remedial	After Remedial
1	Surbhi Aggarwal	RK	3	7
2	Sneha Pandey	SP	3	8
3	Harshree Saini	PS	2	9
4	Shivani Kashyap	PK	3	10
5	Naina Bhardwaj	SB	3	9
6	Vanshika Goel	AG	2	8
7	Mehak Gour	RA	1	8
8	Javed khan	M-Z	2	10
9	Samrat Chauhan	AK	1	9
10	Aditya Bhardwaj	DB	2	8
11	Moh Rihan	M.S.	3	8
12	Akshay Kumar	C.P.	1	9
13	Javed Ali	AA	1	10
14	Saurabh Kumar	MP	2	8
15	Suraj Sharma	MS	1	9
16	Nitin Goel	RG	2	8
17	Avi Kashyap	PS	4	9
18	Bhaskar	IR	2	9
19	Anuj Kr Sharma	DS	3	9
20	Sonu Kumar	SD	3	8
21	Saumya Tomar	PT	2	10
22	Bhavya Kushwaha	RS	3	9
23	Aleena Siddiqui	ZS	2	9
24	Shubham Kumar	MX	3	9
25	Aas Mohd	MA	3	8
26	Mohd Junaïd	MS	2	10
27	Mohd Shadab	MK	3	9


Conclusion- The main objective of this remedial class is to identify those students who face problems in understanding mathematics as they may belong to non math's stream at the intermediate level (Arts, Commerce and Biology etc). Such students are not able to cope up with others during normal class teaching in BCA course.

Remedial teaching helps to impart the basic understanding and knowledge of mathematics of intermediate level that helps students grasp the subject matter.

We observe that remedial class results in better performance and problem solving abilities among students

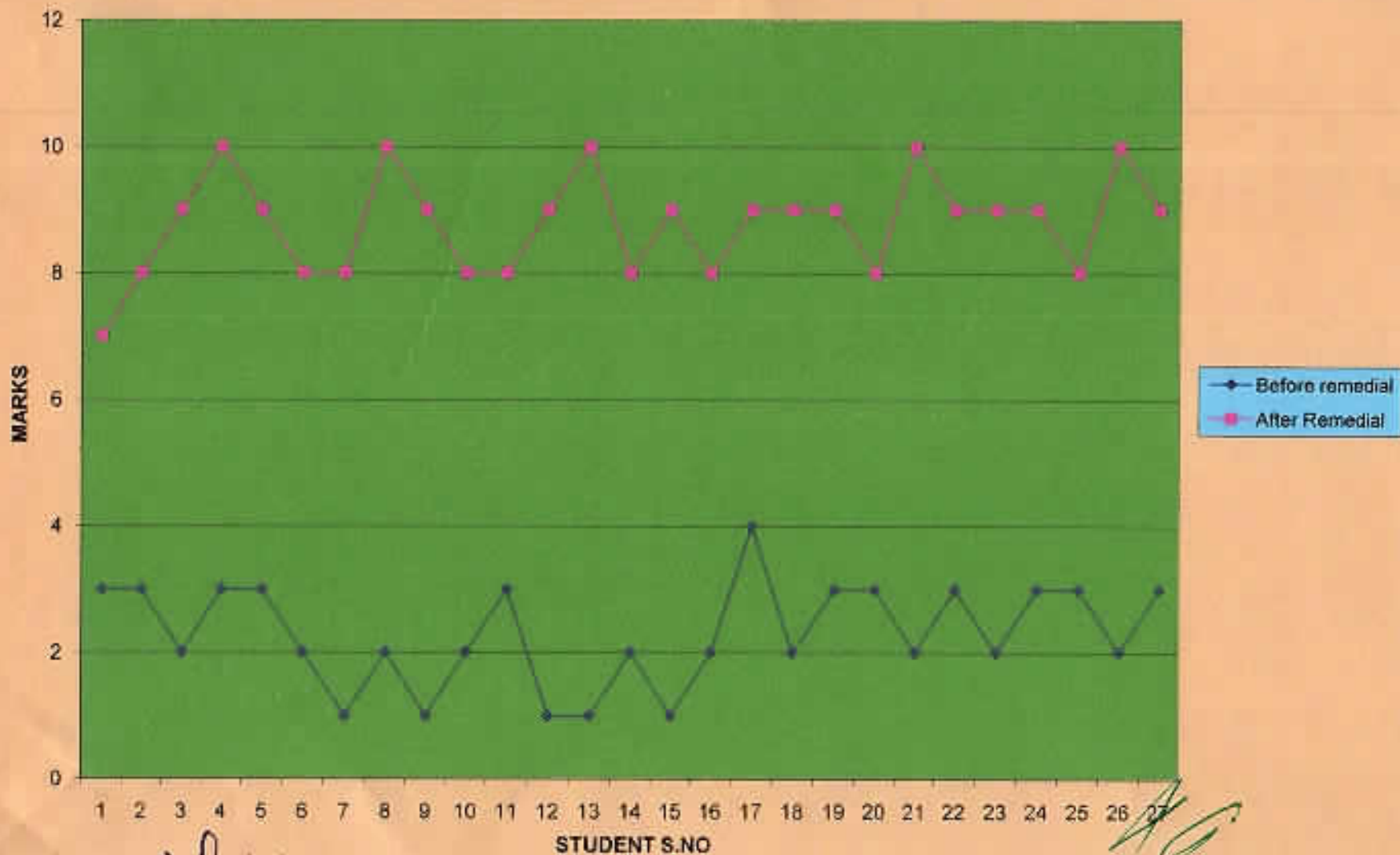

Co-ordinator
IOAC, Shri Ram College,
Muzaffarnagar


Dr. Nishant Kumar
Dean, CA


1. Sidhant Garg
Assistant Professor
Deptt. Of Computer Application
Principal
Shri Ram College
Muzaffarnagar

Mr. Yogendra Kumar
Assistant Prof.
Deptt of Comp App.
2. Mrs. Anika Verma
Assistant Prof.
Deptt of Comp. App.

STUDENT PERFORMANCE REPORT 2019-20



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Handwritten signature
Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Handwritten signature
Principal
Shri Ram College
Muzaffarnagar

**SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION**

DATED: 06/09/2018

NOTICE

Students of BCA 1st year belonging to non math stream are identified for remedial classes in Mathematics , so that they may improve their basic understanding of the subject. The remedial class will commence from Monday dated 10/09/18 as per the schedule:

Timing

2:40-3:30 pm

Day	Section	Room No	Faculty Name
Mon , Tue	A,B, C	G2	Mr Sidhant Garg Mr. Ankur Verma

The list of identified students is pasted on the notice board for the reference of the students. All such students are expected to attend the classes regularly. The students will be accessed for progress after the completion of the courses.


(Dr. Nishant Kumar Rathi)


Dean C.A.

CC: 1. The Director : SRC for information.

2. Dr. Vinit Kumar

3. Mr. Ankur Verma

4. Mr. Sidhant Garg


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Department of Computer Application

Shri Ram College, Muzaffarnagar

Syllabus for Remedial Mathematics (BCA I Year)

Session: 2018-19

Duration: 20 hrs

Course Objectives:

- This is an introductory course in mathematics, the subject deals with introduction to Algebra, Trigonometry, Co-ordinate geometry and elementary Calculus.

Course Outcome:

- The student will learn the basics of mathematics which will be helpful in pursuing further studies in BCA course.

UNIT I

Algebra: Polynomials, Zeros of a Polynomial, Division algorithm for Polynomial, Principles of Mathematical Induction, Linear and Quadratic Equations, AP, GP and HP, Binomial theorem, Partial fractions, Matrices and Determinants

UNIT II

Trigonometry: Measurement of angles, trigonometry functions and trigonometric identities, trigonometric ratios of complementary angles, compound angles, trigonometry ratios of multiple angles ($\sin 2\theta$, $\cos 2\theta$, $\tan 2\theta$), simple problems on heights and distances.

UNIT III

Co-ordinate Geometry: Distances between two points, Section formula, Area of a triangle, division of line segment, Graphs of Linear Equations

Unit IV

Calculus: Functions, Limits and Continuity, Simple Differentiation and Integration formulas

Books Recommended:

1. A textbook of Mathematics for XI-XII Students, NCERT Pub.
2. R.S. Aggarwal Senior Secondary School Mathematics for Class XI and XII.
3. R.D. Sharma Mathematics for Class XI and XII

Course Design Team: **Mr. Sidhant Garg**



Mr. Ankur Verma



Recommended By:

(Dr. Nishant Kumar Rath)

Dean, CA

Approved By

(Dr. Prema Mittal)

Director

Principal
Shri Ram College
Muzaffarnagar

Co-ordinator
IQAD, Shri Ram College
Muzaffarnagar

BCA 1st MATHS (Remedial Class) – 2018-19
List of participants students

S.No.	Student Name	FI	SECTION
1	ACHINT KAGAR	RK	
2	AARTI RANI	RS	
3	DEVRAJ	RK	
4	ANEY SIDDIQUI	NA	
5	IMRA SIDDIQUI	NA	
6	MANU SAINI	PS	
7	KARTIK	BS	
8	NAYAAB ZAIDI	SA	
9	UMANG	AS	
10	AKSHAT GARG	NG	
11	MOHD ABID	N	
12	MOHD AQIB	AG	
13	OBAID ALAM	AG	
14	SONU	TR	
15	SHAZALI AHMAD	AA	
16	VIKAS KASHYAP	SK	
17	ZEE SAN ANSARI	MA	
18	PUNIT KUMAR	PK	
19	KUBER RISHI	SR	
20	TANMEY RAGHAV	DSR	

Sub Teacher-

1. Mr Sidhant Garg
2. Mr Yogendra Kumar
3. Mr. Ankur Verma

Dr. Nishant Kumar Rathi
Dean Comp. App.

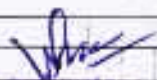
Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Shri Ram College
Muzaffarnagar

Lecture Register Subject Remedial Maths

Class BCA 1st Section A, B, C Month SEP, OCT, NOV 2018

Sr. No.	Name of Student	FI	1	2	3	4	5	6	7	8	9	10
1.	Achint Kagan	RK	P	P	P	P	A	P	P	P	P	P
2.	Aarti Rani	RS	P	A	P	P	P	P	P	P	P	P
3.	Devraj	RK	P	P	P	A	P	P	P	P	P	A
4.	Aney Siddiqui	NA	P	P	P	P	A	P	P	P	P	P
5.	Imra Siddiqui	NA	P	P	P	P	P	A	P	P	P	P
6.	Manu Saini	PS	P	P	P	P	A	P	P	P	P	P
7.	Kantik	BS	P	P	P	A	P	P	P	P	P	P
8.	Nayab Zaidi	SA	P	A	P	P	P	P	P	A	P	P
9.	Umang	AS	P	P	P	P	A	P	P	P	P	P
10.	Akshat Gang	NG	P	P	P	A	P	P	P	P	P	P
11.	Mohd Abid	N	P	P	P	P	A	P	P	P	P	A
12.	Mohd Agib	AG	P	P	P	P	A	P	P	P	P	P
13.	Obaid Alam	AG	P	P	P	A	P	P	P	P	P	P
14.	Sonu	TR	P	P	P	P	A	P	P	P	P	P
15.	Shazaki Ahmad	AP	P	P	P	P	A	P	P	P	P	P
16.	Vikas Kashyap	SK	P	P	P	P	A	P	P	P	P	P
17.	Zeesan Ansari	MA	P	P	P	P	A	P	P	P	P	P
18.	Rusid Kurosh	PK	P	P	P	P	A	P	P	P	P	P
19.	Kuber Rishi	SR	P	P	P	P	P	A	P	P	P	P
20.	Tanmay Laghar	OSR	P	P	A	P	P	P	P	P	P	P


Co-ordinator
IOAC, Shri Ram College,
Muzaffarnagar

Sig. of Lecturer

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
1	P	A	P	P	P	P	P	P	P	P													
2	P	P	P	P	P	P	P	P	P	A	P												
3	P	P	P	P	P	P	P	P	P	A	P												
4	P	P	P	A	P	P	P	P	A	P	P												
5	P	A	P	P	P	P	P	P	P	P	P												
6	P	P	P	P	P	A	P	P	A	P	P												
7	P	P	A	P	P	P	P	P	P	A	P												
8	P	P	P	P	P	P	P	P	P	A	P												
9	P	P	P	P	P	P	P	P	P	P	P												
10	A	P	P	P	P	P	P	P	P	P	P												
11	P	P	P	P	P	P	P	P	A	P	P												
12	P	P	A	P	P	P	P	P	P	A	P												
13	P	A	P	P	P	P	P	P	P	P	P												
14	P	P	P	A	P	P	P	P	A	P	P												
15	P	P	P	P	P	P	P	P	P	P	P												
16	A	P	P	P	P	P	P	P	P	P	P												
17	P	P	A	P	P	P	P	P	P	P	P												
18	P	P	P	P	A	P	P	P	P	P	P												
19	P	P	P	P	A	P	P	P	P	P	P												
20	A	P	P	P	P	A	P	P	P	P	P												


Principal
Shri Ram College
Muzaffarnagar

Sig. of Lecturer

Shri Ram College, Muzaffarnagar
BCA 1st Semester
Remedial Mathematics-Test Paper 1(2018-19)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 25 = 0$

- 1) $x = -5, x = -5$ 2) $x = 5, x = 5$ 3) $x = 5, x = -5$ 4) none

Q.2- Solve the following equation -

$x + y = 6, x - y = 2$

- 1) $x = 4, y = 2$ 2) $x = -4, y = -2$ 3) $x = -2, y = -4$ 4) $x = -2, y = -4$

Q.3- What is the smallest odd prime number-?

- 1) 2 2) 1 3) 3 4) 0

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 3, 4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 15^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2\sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2\sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

2, 4, 8, 16,

- 1) 21 2) 22 3) 20 4) 2

Q.9- The sum of two numbers is 15. If the sum of their reciprocal is $15/54$. Find the numbers.


- 1) $x = 9, y = -6$ 2) $x = -9, y = 6$ 3) $x = -9, y = -6$ 4) $x = 9, y = 6$

Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....

Signature of Subject Teacher.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
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Shri Ram College, Muzaffarnagar
BCA 1st Semester
Remedial Mathematics-Test Paper 2(2018-19)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 36 = 0$

- 1) $x = -6, x = -6$ 2) $x = 6, x = -6$ 3) $x = 6, x = 6$ 4) none

Q.2- Solve the following equation -

- $x + y = 12, x - y = 4$
1) $x = 8, y = 4$ 2) $x = -4, y = -8$ 3) $x = -8, y = -4$ 4) $x = -8, y = -4$

Q.3- What is the smallest odd prime number-?

- 1) 2 2) 1 3) 3 4) 0

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 3, 4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 15^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2\sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2\sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

- 2, 4, 8, 16,.....
1) 21 2) 22 3) 20 4) 2

Q.9- The side of a square is 5 cm. find the Area?

- 1) 25 sq cm 2) 20 sq cm 3) 30 sq cm 4) None.

Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....

Signature of Subject Teacher.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

**Department of Computer Application
Shri Ram College, Muzaffarnagar**

Remedial Class in Mathematics (2018-2019)

Performance Analysis

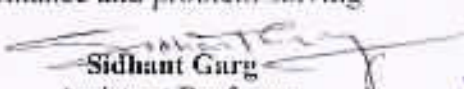
Total Marks: 10


S.No.	Student Name	F.I.	Before remedial	After Remedial
1	ACHINT KAGAR	RK	3	8
2	AARTI RANI	RS	2	9
3	DEVRAJ	RK	4	10
4	ANEY SIDDIQUI	NA	1	8
5	IMRA SIDDIQUI	NA	4	9
6	MANU SAINI	PS	3	8
7	KARTIK	BS	2	9
8	NAYAAB ZAIDI	SA	1	9
9	UMANG	AS	3	9
10	AKSHAT GARG	NG	3	8
11	MOHD ABID	N	2	10
12	MOHD AQIB	AG	1	9
13	OBAID ALAM	AG	4	8
14	SONU	TR	2	9
15	SHAZALI AHMAD	AA	2	10
16	VIKAS KASHYAP	SK	3	9
17	ZEESAN ANSARI	MA	1	8
18	PUNIT KUMAR	PK	1	8
19	KUBER RISHI	SR	2	10
20	TANMEY RAGHAV	DSR	1	9

Conclusion- The main objective of this remedial class is to identify those students who face problems in understanding mathematics as they may belong to non math's stream at the intermediate level (Arts, Commerce and Biology etc). Such students are not able to cope up with others during normal class teaching in BCA course.

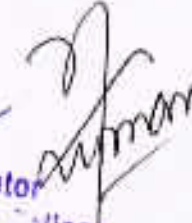
Remedial teaching helps to impart the basic understanding and knowledge of mathematics of intermediate level that helps students grasp the subject matter.

We observe that remedial class results in better performance and problem solving abilities among students

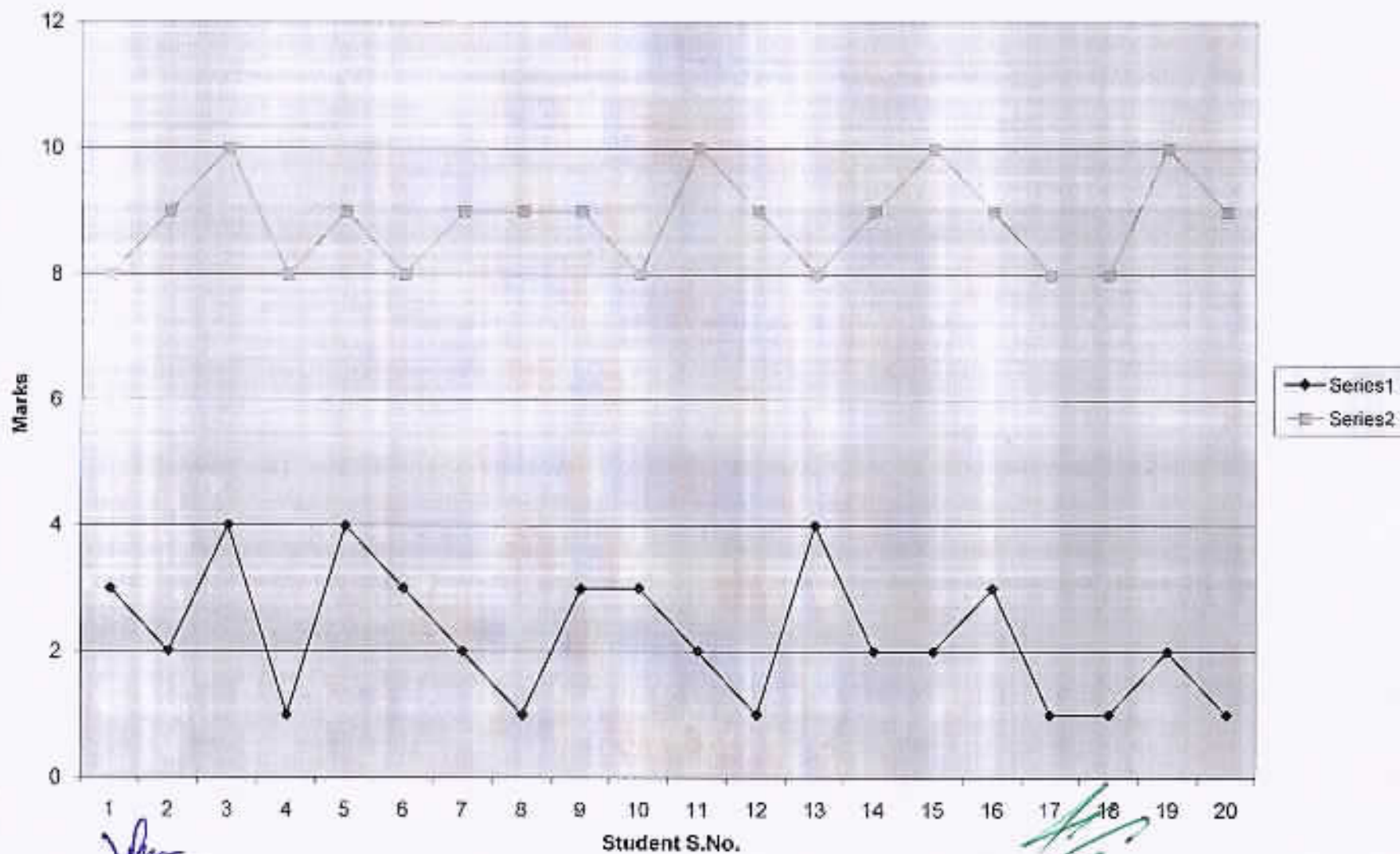

Sidhant Garg
Assistant Professor
Deptt. Of Computer Application


Principal
Shri Ram College
Muzaffarnagar


Co-ordinator
ICAC, Shri Ram College,
Muzaffarnagar


Dr. Nishant Kumar
ICAC, Muzaffarnagar

Student performance report 2018-19



Handwritten signatures in blue ink.

Handwritten signature
Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Handwritten signature
Principal
Shri Ram College
Muzaffarnagar

**SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION**

DATED: 07/09/17

NOTICE

Students of BCA 1st year belonging to non math stream are identified for remedial classes in Mathematics, so that they may improve their basic understanding of the subject. The remedial class will commence from Monday dated 18/09/17 as per the schedule:

Day	Mon, Wed, Fri
Timing	2:40-3:30 pm
Venue	Room G2, First Floor, SRC

The list of identified students is pasted on the notice board for the reference of the students. All such students are expected to attend the classes regularly. The students will be assessed for progress after the completion of the course.

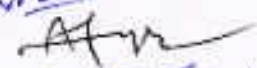

(Dr. Nishant Kumar Rathi)


Dean C.A.

CC: 1. The Director : SRC for information.

2. Dr. Amit Rana 

3. Dr. Vinit Kumar 

4. Mr. Ankur Verma 

5. Mr. Sidhant Garg 


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Department of Computer Application

Shri Ram College, Muzaffarnagar

Syllabus for Remedial Mathematics (BCA I Year)

Session: 2017-18

Duration: 20 hrs

Course Objectives:

- This is an introductory course in mathematics, the subject deals with introduction to Algebra, Trigonometry, Co-ordinate geometry and elementary Calculus

Course Outcome:

- The student will learn the basics of mathematics which will be helpful in pursuing further studies in BCA course.

UNIT I

Algebra: Polynomials, Zeros of a Polynomial, Division algorithm for Polynomial, Principles of Mathematical Induction, Linear and Quadratic Equations, AP, GP and HP, Binomial theorem, Partial fractions, Matrices and Determinants

UNIT II

Trigonometry: Measurement of angles, Trigonometry functions and Trigonometric identities, Trigonometric ratios of complementary angles, compound angles, Trigonometry ratios of multiple angles ($\sin 2\theta$, $\cos 2\theta$, $\tan 2\theta$), simple problems on heights and distances.

UNIT III

Co-ordinate Geometry: Distances between two points, Section formula, Area of a triangle, division of line segment, Graphs of Linear Equations.

Unit IV

Calculus: Functions, Limits and Continuity, Simple Differentiation and Integration formulae.

Books Recommended:

- A textbook of Mathematics for XI-XII Students, NCERT Pub.
- R.S. Aggarwal Senior Secondary School Mathematics for Class XI and XII.
- R.D. Sharma Mathematics for Class XI and XII

Course Design Team:

Mr. Sidhant Garg

Dr. Amit Rana

Mr. Ankur Verma

Dr Vinit Kumar

Recommended By:

(Dr. Nishant Kumar Rathi)

Dean, CA

Approved By:

(Dr. R.S. Chauhan)

Director


Principal
Shri Ram College
Muzaffarnagar

Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION
BCA 1st MATHS (Remedial Class) – 2017-18
List of participants students

S.No.	Student Name	FI
1	AAKASH KUMAR	R.K.
2	BASANT	C.L.
3	DEEPAK KUMAR	A.K.
4	MOHD SAKIB	S.A.
5	MUHIT	I.S.
6	HIMANSHI JAIN	S.J.
7	KM NEHA GARG	C.P.G
8	SHUBHAM SHARMA	S.K.S
9	SONU KUMAR	N.K.
10	VISHA DHANKAR	S.K.
11	BAHAR ALI	A.R.
12	VIPIN KAUSAL	M.K.
13	ANMOL KANSAL	S.K.
14	ARJUN SINGH	S.K.
15	SHIVANI	A.N.
16	KAJAL MALIK	J.S.
17	AAKASH GARG	R.G.
18	AAKASHI KUMAR	U.K.
19	ARYAN BALIYAN	S.K.
20	KARTIK CHAUDHARY	B.S.
21	MOHD YASAR ALI	I.A.
22	MUKUL SONKER	G.K.S
23	RIYA JAIN	P.K.J
24	SANA NASIR	M.N.II
25	SIDDHARTI	S.K.V
26	VISHAL BALIYAN	M.D.
27	DEEPAK RANA	A.K.
28	VIPIN KUMAR	R.K.
29	RAJENDRA KUMAR	U.V.S
30	BADAL	B.S.
31	HEMANT KUMAR	L.K.
32	POOJA DEVI	S.K.
33	SAGAR	M.J.
34	NISHU	S.K.
35	ADITYA SHEEL	R.S.
36	AMAN KUMAR	B.K.
37	ANKIT KUMAR	S.K.
38	MOHD MONISH	M.N.
39	MOHD NASEEM	M.N.


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Muzaffarnagar


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40	PAYAL	D.P.
41	PRABHAT SHARMA	M.S.
42	RAJAN KUMAR	T.P.
43	RAJNISH KUMAR	S.P.
44	VIKAS KUMAR	C.V.
45	SURYA PRATAP	K.S.
46	NEHA PUNDIR	V.S.
47	EKTA PUNDIR	A.K.
48	KAKUL	S.C.
49	PAYAL	D.P.
50	BILAL RANA	G.R.
51	VIKRANT KUMAR	PA.
52	MUNTZEER	I.T.

Sub Teacher-

1. Mr Sidhant Garg
2. Dr. Amit Rana
3. Mr. Ankur Verma

Dr. Nishant Kumar Rathi
Dean Comp. App.

Co-ordinator
IDAC, Shri Ram College,
Muzaffarnagar

Principal
Shri Ram College
Muzaffarnagar

Lecture Register Subject REMEDIAL MATHS

Class B.C.A Section A,B,C Month SEP, OCT, NOV, DEC 2017

Sr. No.	Name of Student	FI	1	2	3	4	5	6	7	8	9	10
1.	Aakash Kumar	AK	P	P	P	P	P	P	P	P	P	P
2.	Basant	CL	P	P	P	P	P	P	P	P	P	P
3.	Deepak Kumar	AK	P	P	P	P	P	P	P	P	P	P
4.	Mohd Sahib	SA	P	P	P	P	P	P	P	P	P	P
5.	Mubir	IS	P	P	P	P	P	P	P	P	P	P
6.	Himanshi Jain	ST	P	P	P	P	P	P	P	P	P	P
7.	Nebo Gang	CPH	P	P	P	P	P	P	P	P	P	P
8.	Shubham Sharma	HS	P	P	P	P	P	P	P	P	P	P
9.	Sonu Kumar	NK	P	P	P	P	P	P	P	P	P	P
10.	Vicha Dhankar	SK	P	P	P	P	P	P	P	P	P	P
11.	Babbar Ali	AG	P	P	P	P	P	P	P	P	P	P
12.	Vipin Kansal	MX	P	P	P	P	P	P	P	P	P	P
13.	Anmol Kansal	SK	P	P	P	P	P	P	P	P	P	P
14.	Ahjun Singh	SK	P	P	P	P	P	P	P	P	P	P
15.	Shivani	An	P	P	P	P	P	P	P	P	P	P
16.	Kajal Malik	J.S.	P	P	P	P	P	P	P	P	P	P
17.	Aakash Gang	R.G.	P	P	P	P	P	P	P	P	P	P
18.	Aakash Kumar	U.K.	P	P	P	P	P	P	P	P	P	P
19.	Aryan Baligan	S.K.	P	P	P	P	P	P	P	P	P	P
20.	Kashish Chaudhary	NS	P	P	P	P	P	P	P	P	P	P
21.	Mohd Yaseen Ali	TA	P	P	P	P	P	P	P	P	P	P
22.	Mukul Sankar	SKS	P	P	P	P	P	P	P	P	P	P
23.	Riga Jain	PKJ	P	P	P	P	P	P	P	P	P	P
24.	Sona Masih	M.M.	P	P	P	P	P	P	P	P	P	P
25.	Sahil Datta	SKV	P	P	P	P	P	P	P	P	P	P
26.	Vishal Baligan	M.D.	P	P	P	P	P	P	P	P	P	P
27.	Deepak Bana	A.K.	P	P	P	P	P	P	P	P	P	P
28.	Vipin Kumar	P.K.	P	P	P	P	P	P	P	P	P	P
29.	Rajendra Kumar	UVK	P	P	P	P	P	P	P	P	P	P
30.	Bhawal	B.S.	P	P	P	P	P	P	P	P	P	P
31.	Nemant Kumar	L.K.	P	P	P	P	P	P	P	P	P	P
32.	Pooja Desai	P.K.	P	P	P	P	P	P	P	P	P	P
33.	Sayan	M.S.	P	P	P	P	P	P	P	P	P	P
34.	Nishu	SK	P	P	P	P	P	P	P	P	P	P
35.	Aditya Sheel	R.S.	P	P	P	P	P	P	P	P	P	P
36.	Aman Kumar	B.K.	P	P	P	P	P	P	P	P	P	P
37.	Ankit Kumar	S.K.	P	P	P	P	P	P	P	P	P	P
38.	Mohd. Manish	M.N.	P	P	P	P	P	P	P	P	P	P
39.	Mohd Naseem	M.N.	P	P	P	P	P	P	P	P	P	P
40.	Payal	D.P.	P	P	P	P	P	P	P	P	P	P
	Sig. of Lecturer											

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
20	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
21	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
23	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
25	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
26	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
27	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
28	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
29	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
30	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
31	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

Dr. ...
 Head of Department
 Muzaffarnagar

Principal
 Shri Ram College
 Muzaffarnagar

SHRI RAM COLLEGE MUZAFFARNAGAR
BCA 1st Maths (remedial) 2017-18
TEST PAPER 1

TIME: 45 MIN

MAX MARKS: 10

Q1- Find the smallest composite number.

- (a) 2 (b) 3 (c) 1 (d) 0

Q2- 5% of (25% of Rs 1600) is

- (a) 5 (b) Rs 17.50 (c) Rs 20 (d) Rs 25

Q3- $\sqrt[3]{1.5625} = ?$

- (a) 1.05 (b) 1.25 (c) 1.45 (d) 1.55

Q4- if $52/x = \sqrt[3]{169/289}$, the value of x is:

- (a) 52 (b) 58 (c) 62 (d) 68

Q5- If each side of square is 5 cm, then its area

- (a) 20 cm (b) 20 sq cm (c) 25 cm (d) 25 sq cm

Q6- $(\sqrt{3} - 1/\sqrt{3})^2$ simplifies to :

- (a) 3/4 (b) 4/ $\sqrt{3}$ (c) 4/3 (d) 3/ $\sqrt{4}$

Q7- If $Y = x^2 + x + 1$ then find dy/dx

- (a) $x+1$ (b) $2x+1$ (c) $2x$ (d) x

Q8- if $\int (x^3 - x^4 + 1/x) dx$ is equal to

- (a) $x^4/4 + x^5/5 + \log x$ (b) $x^3/3 - x^4/4 - 1/x^2$ (c) $x^2/2 + x^3/3 + 1$ (d) none

Q9- The sum of first 10 natural number

- (a) 54 (b) 55 (c) 56 (d) 57

Q10- The average of first 9 prime number is

- (a) 9 (b) 11 (c) 100/9 (d) 101/9


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IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

SHRI RAM COLLEGE MUZAFFARNAGAR
BCA 1st Year 1st Sem 2017-2018
Remedial Maths- Test Paper 2

Max Time: 45 min

Max Marks 10

- Q.1- Find the Sum of First 10 even natural number
(a) 100 (b) 104 (c) 108 (d) 110
- Q.2- a matrix A is Non singular matrix if
(a) $\det A \neq 0$ (b) $\det A = 0$ (c) $\det A = 1$ (d) $\det A \neq 1$
- Q.3- Find a.b if $a = 3i + 2j + 7k$ and $b = 4i + 5j + 3k$
(a) 41 (b) 42 (c) 43 (d) 44
- Q.4- Value of $\sin 90 + \cos 90$ is
(a) 1 (b) 0 (c) -1 (d) None
- Q.5- Find dy/dx if $y = \log x + x + 1$
(a) $x + 1$ (b) $1/x + 1$ (c) $x + 1/x$ (d) $1/x + 0$
- Q.6- Find $\int (x+1) dx$ is
(a) x^2 (b) $x^2 + 1$ (c) $x^2 + x$ (d) None
- Q.7- If $x+y=3$ and $x-y=1$ then find x & y.
(a) $x=2, y=2$ (b) $x=2, y=1$ (c) $x=1, y=1$ (d) None
- Q.8- To solve for x if $x^2 - 3x - 4 = 0$
(a) 4, 1 (b) -4, -1 (c) 4, -1 (d) -4, 1
- Q.9- If $x^2 = 36$ then
(a) $x = 6$ (b) $x = -6$ (c) $x = 6, x = -6$ (d) None
- Q.10 if $a + b + c = 0$ then $a^3 + b^3 + c^3$ is equal to
(a) $2abc$ (b) abc (c) $3abc$ (d) None


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Shri Ram College
Muzaffarnagar


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SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION
BCA 1st MATHS (Remedial Class) – 2017-18
Performance report Before & After remedial Classes

S.No.	Student Name	FI	Before Remedial	After Remedial
1	AAKASH KUMAR	R.K.	4	8
2	BASANT	C.L.	3	9
3	DEEPAK KUMAR	A.K.	1	7
4	MOHD SAKIB	S.A.	3	8
5	MUHIT	I.S.	2	9
6	HIMANSHI JAIN	S.J.	2	8
7	KM NEHA GARG	C.P.G	3	7
8	SHUBHAM SHARMA	S.K.S	1	8
9	SONU KUMAR	N.K.	4	9
10	VISHA DHANKAR	S.K.	2	8
11	BAHAR ALI	A.R.	4	6
12	VIPIN KAUSAL	M.K.	3	8
13	ANMOL KANSAL	S.K.	2	9
14	ARJUN SINGH	S.K.	5	10
15	SHIVANI	A.N.	4	8
16	KAJAL MALIK	J.S.	2	9
17	AAKASH GARG	R.G.	1	7
18	AAKASH KUMAR	U.K.	2	10
19	ARYAN BALIYAN	S.K.	3	8
20	KARTIK CHAUDHARY	B.S.	4	9
21	MOHD YASAR ALI	LA.	2	9
22	MUKUL SONKER	G.K.S	3	9
23	RIYA JAIN	P.K.J	4	9
24	SANA NASIR	M.N.H	2	8
25	SIDDHARTH	S.K.V	1	8
26	VISHAL BALIYAN	M.D.	3	9
27	DEEPAK RANA	A.K.	2	9
28	VIPIN KUMAR	R.K.	1	9
29	RAJENDRA KUMAR	U.V.S	2	10
30	BADAL	B.S.	4	9
31	HEMANT KUMAR	L.K.	2	8
32	POOJA DEVI	S.K.	3	9
33	SAGAR	M.L	5	8
34	NISHU	S.K.	1	9
35	ADITYA SHEEL	R.S.	2	8
36	AMAN KUMAR	B.K.	4	9
37	ANKIT KUMAR	S.K.	2	8




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38	MOHD MONISH	M.N.	3	7
39	MOHD NASEEM	M.N.	5	6
40	PAYAL	D.P.	2	8
41	PRABHAT SHARMA	M.S.	4	8
42	RAJAN KUMAR	T.P.	1	9
43	RAJNISH KUMAR	S.P.	2	7
44	VIKAS KUMAR	C.V.	3	8
45	SURYA PRATAP	K.S.		9
46	NEHA PUNDIR	V.S.	3	8
47	EKTA PUNDIR	A.K.	2	7
48	KAKUL	S.C.	1	8
49	PAYAL	D.P.	4	9
50	BILAL RANA	G.R.	1	7
51	VIKRANT KUMAR	PA.	2	8
52	MUNTZEER	I.T.	1	9

Conclusion- The main objective of this remedial class is to identify those students who face problems in understanding mathematics as they may belong to non math's stream at the intermediate level (Arts, Commerce and Biology etc). Such students are not able to cope up with others during normal class teaching in BCA course.

Remedial teaching helps to impart the basic understanding and knowledge of mathematics of intermediate level that helps students grasp the subject matter.

Sub Teacher-

1. Mr. Sidhant Garg
2. Dr. Amit Rana
3. Mr. Ankur Verma

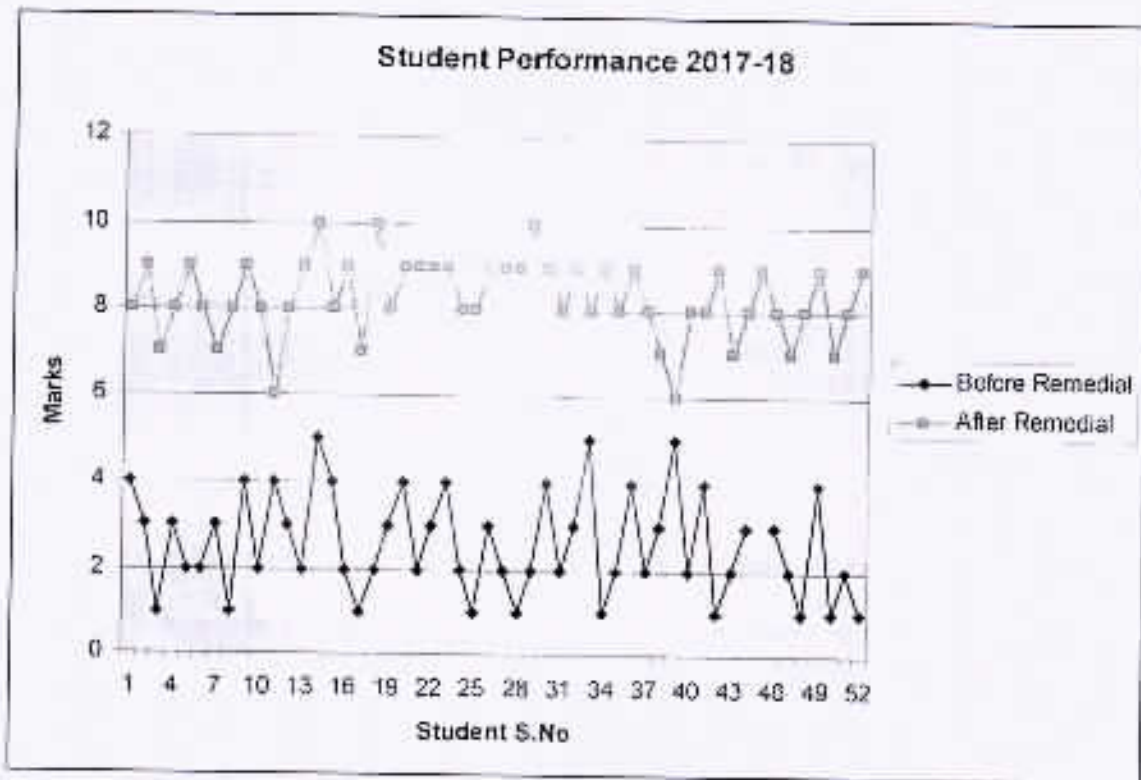
Sidhant Garg
Amit Rana
Ankur Verma

Dr. Nishant Kumar Rathi
Dean Comp. App.

N.K. Rathi

S. Verma
Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Principal
Shri Ram College
Muzaffarnagar




 Co-ordinator
 ICAG, Shri Ram College,
 Muzaffarnagar


 Principal
 Shri Ram College
 Muzaffarnagar

**SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION**

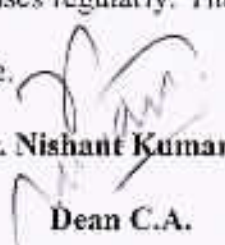
Dated: 17/09/2016

NOTICE

Students of BCA 1st year belonging to non math stream are identified for remedial classes in Mathematics, so that they may improve their basic understanding of the subject. The remedial class will commence from Monday dated 19/09/16 as per the schedule:

Day	Section	Room No	Faculty Name
Mon, Wed	A	G1	Mr. Sidhant Garg
Wed, Fri	B	G2	Dr. Vikas Aggarwal
Fri, Mon	C	G3	Ms. Suman Yadav
Mon	D	G2	Dr Vikas Aggarwal
Wed		G3	Ms Suman Yadav

The list of identified students is pasted on the notice board for the reference of the students. All such students are expected to attend the classes regularly. The students will be assessed for progress after the completion of the course.


(Dr. Nishant Kumar Rathi)


Dean C.A.


CC: 1. The Director : SRC for information.

2. Dr Vikas Aggarwal

3. Mr. Sidhant Garg

4. Ms. Suman Yadav


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Muzaffarnagar

Department of Computer Application

Shri Ram College, Muzaffarnagar

Syllabus for Remedial Mathematics (BCA I Year)

Session: 2016-2017

Duration: 20 hrs

Course Objectives:

- This is an introductory course in mathematics, the subject deals with introduction to Algebra, Trigonometry, Co-ordinate geometry and elementary Calculus.

Course Outcome:

- The student will learn the basics of mathematics which will be helpful in pursuing further studies in BCA course.

UNIT I

Algebra: Polynomials, Zeros of a Polynomial, Division algorithm for Polynomial, Principles of Mathematical Induction, Linear and Quadratic Equations, AP, GP and HP, Binomial theorem, Partial fractions, Matrices and Determinants

UNIT II

Trigonometry: Measurement of angles, trigonometry functions and trigonometric identities, trigonometric ratios of complementary angles, compound angles, trigonometry ratios of multiple angles ($\sin 2\theta$, $\cos 2\theta$, $\tan 2\theta$), simple problems on heights and distances.

UNIT III

Co-ordinate Geometry: Distances between two points, Section formula, Area of a triangle, division of line segment, Graphs of Linear Equations.

Unit IV

Calculus: Functions, Limits and Continuity, Simple Differentiation and Integration formulas.

Books Recommended:

- A textbook of Mathematics for XI-XII Students, NCERT Pub.
- R.S. Aggarwal Senior Secondary School Mathematics for Class XI and XII.
- R.D. Sharma Mathematics for Class XI and XII

Course Design Team:

Dr. Vikas Aggarwal

Mr. Sidhant Garg

Ms. Suman Yadav

Recommended By:

(Dr. Nishant Kumar Rathi)

Dean, CA

Approved By:

(Dr. R.S.Chautian)

Director

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IQAC, Shri Ram College,
Muzaffarnagar

Principal
Shri Ram College
Muzaffarnagar

BCA 1st MATHS (Remedial Class) – 2016-17
List of participants students

S.No.	Student Name	FI	SECTION
1	Aastha Jain		A
2	Abhinav Baliyan		A
3	Aakash Kumar		A
4	Akshit		A
5	Ankit Kumar		A
6	Ashwani Pal		A
7	Gaurav Saini		A
8	Gulbhar		A
9	Gulfan		A
10	Mohd Shahrin		A
11	Mohd Shuaib		A
12	Mohd Azam		A
13	Mohd Kaisar		A
14	Monu Kumar		A
15	Monu Kumar		A
16	Mubarik		A
17	Pankaj Pal		A
18	Rajat Chaudhary		A
19	Rajneesh Kumar		A
20	Sajid Saifi		A
21	Shavez		A
22	Shuaib Ansari		A
23	Sumit Dhiman		A
24	Vipin Kumar		A
25	Daman Singh		A
26	Mohd Azam		A
27	Rohit kumar		A
28	Mohd Shuaib		A
29	Deepak Saudi		A
30	Mohan Tyagi		A
31	Aadarsh Baliyan		B
32	Aakunsha		B
33	Abhinav Kumar		B
34	Ajay		B
35	Ankit Kumar		B
36	Gul Mohammad		B
37	Harshit Gupta		B
38	Jyoti		B
39	Kajol		B
40	Khushnawaz		B
41	Munish Kumar		B


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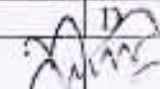
42	Mohd Amir Alam	B
43	Mohd Adil	B
44	Sumit Kumar	B
45	Nishu	B
46	Rishabh	B
47	Shakshi	B
48	Shivam	B
49	Shubham Tyagi	B
50	Sonit Kumar	B
51	Vikram Singh	B
52	Vishesh Tomar	B
53	Muhak	B
54	Doli	B
55	Adesh Kumar	B
56	Aakash Saini	B
57	Kajol	B
58	Muhammad Shadab	B
59	Nikhil	B
60	Abhinav Saini	C
61	Akshay Kumar	C
62	Amit Kumar	C
63	Gourav Kumar	C
64	Humanshu Pal	C
65	Mohd Masoom	C
66	Mohd Masnoon	C
67	Mohd Shadal	C
68	Mohd Usman	C
69	Mujeeb Ahmad	C
70	Pruchi	C
71	Rishant Tyagi	C
72	Ritvanshu Mittal	C
73	Rohit Saini	C
74	Sachin Kumar	C
75	Salman	C
76	Shahrukh	C
77	Shameem Ahmad	C
78	Sunny	C
79	Tannu	C
80	Vikash kumar	C
81	Vishu	C
82	Zishan	C
83	Shivani	C
84	Alok Kumar	C


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85	Mohd Shaim	C
86	Ankit Kumar	C
87	Mohd Faizan	C
88	Deepak	C
89	Aditya Kumar Arya	D
90	Akash Kumar	D
91	Asbeesh Kr Saini	D
92	Bindya Baliyan	D
93	Deepak Kumar	D
94	Divanshu Pundir	D
95	Harishankar	D
96	Himanshu Sharma	D
97	Lavi Giri	D
98	Megha Rathi	D
99	Mohd Sakib	D
100	Mohin Khan	D
101	Naushad Ali	D
102	Parveen	D
103	Rishabh	D
104	Shalu	D
105	Shekhar Saini	D
106	Shivangi Singh	D
107	Shubham Kumar	D
108	Vaishali	D
109	Vivek Kumar	D
110	Nishant	D
111	Km Megha Tyagi	D
112	Nazim	D
113	Nikita	D
114	Rohit Kumar	D
115	Vaishali	D
116	Vishita Bansal	D
117	Mo. Saleem Ansari	D
118	Aubid	D
119	Aarti Saini	D
120	Abhishek	D
121	Adarsh Kumar	D
122	Akshita Bhardwaj	D
123	Divyansha	D
124	Kanika Gupta	D
125	Km Farheen Khan	D
126	Sanawwar Husain	D
127	Shruti Tyagi	D
128	Tanu Baliyan	D
129	Roopa	D


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 Dr. Nishant Kumar Rathi
 Principal, IQAC
 Shri Ram College
 Muzaffarnagar

Lecture Register Subject Remedial Mathematics

Class B.C.A. Ist Section A Month SEP, OCT, NOV 2016

Sr. No.	Name of Student	FI	1	2	3	4	5	6	7	8	9	10
1.	Aastha Jain		P	P	P	P	P	P	P	P	P	P
2.	Abhinav Baliyan		P	P	P	P	P	P	P	P	P	P
3.	Baksh Kumar		P	P	P	P	P	P	P	P	P	P
4.	Akshat		P	P	P	P	P	P	P	P	P	P
5.	Ankit Kumar		P	P	P	P	P	P	P	P	P	P
6.	Ashwani Pal		P	P	P	P	P	P	P	P	P	P
7.	Gaurav Saini		P	P	P	P	P	P	P	P	P	P
8.	Gulbhar		P	P	P	P	P	P	P	P	P	P
9.	Gulfar		P	P	P	P	P	P	P	P	P	P
10.	Mohd. Shabbir		P	P	P	P	P	P	P	P	P	P
11.	Mohd. Shuaib		P	P	P	P	P	P	P	P	P	P
12.	Mohd. Azam		P	P	P	P	P	P	P	P	P	P
13.	Mohd. Kabir		P	P	P	P	P	P	P	P	P	P
14.	Mohd. Kumar		P	P	P	P	P	P	P	P	P	P
15.	Mubarik		P	P	P	P	P	P	P	P	P	P
16.	Pankaj Pal		P	P	P	P	P	P	P	P	P	P
17.	Rajat Chandhary		P	P	P	P	P	P	P	P	P	P
18.	Rajniit Kumar		P	P	P	P	P	P	P	P	P	P
19.	Sagid Saigdi		P	P	P	P	P	P	P	P	P	P
20.	shavez		P	P	P	P	P	P	P	P	P	P
21.	Suhail Ansari		P	P	P	P	P	P	P	P	P	P
22.	Sumit Dhiman		P	P	P	P	P	P	P	P	P	P
23.	Vipin Kumar		P	P	P	P	P	P	P	P	P	P
24.	Daman Singh		P	P	P	P	P	P	P	P	P	P
25.	Mohd. Azam		P	P	P	P	P	P	P	P	P	P
26.	Rohit Kumar		P	P	P	P	P	P	P	P	P	P
27.	shavez		P	P	P	P	P	P	P	P	P	P
28.	Mohd Shuaib		P	P	P	P	P	P	P	P	P	P
29.	Aastha Jain		P	P	P	P	P	P	P	P	P	P
30.	Deepak Soudi		P	P	P	P	P	P	P	P	P	P
31.	Gulbhar		P	P	P	P	P	P	P	P	P	P
32.	Mohan Tyagi		P	P	P	P	P	P	P	P	P	P
33.	Mubarik		P	P	P	P	P	P	P	P	P	P
34.	Muhammad		P	P	P	P	P	P	P	P	P	P

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Muzaffarnagar

Sig. of Lecturer

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	P	P	P	P	P	P	P	P	P	P												
2	P	P	P	P	P	P	P	P	P	P												
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32	P	P	P	P	P	P	P	P	P	P												
33	P	P	P	P	P	P	P	P	P	P												
34	P	P	P	P	P	P	P	P	P	P												

Principal
Shri Ram College
Muzaffarnagar

Lecture Register Subject Remedial Mathematics

Sr. No.	Name of Student	FI	1	2	3	4	5	6	7	8	9	10
1.	Adarsh Balyam		P	P	A	P	P	P	P	P	P	P
2.	Aakansha		P	P	P	P	P	A	P	P	P	P
3.	Abhinav Kumar		P	P	P	A	P	P	P	P	P	P
4.	Ajay		P	P	P	P	P	P	A	P	P	P
5.	Anshu Kumar		P	A	P	P	P	P	P	P	P	P
6.	Asad Mohammad		P	P	P	A	P	P	P	P	P	P
7.	Harsit Gupta		P	P	P	P	P	A	P	P	P	P
8.	Jyoti		P	P	P	P	P	P	A	P	P	P
9.	Kajal		P	P	A	P	P	P	P	P	P	A
10.	Khushnawaz		P	P	P	P	P	P	A	P	P	P
11.	Manish Kumar		P	P	P	A	P	P	P	P	P	P
12.	Mohd Amir Alam		P	A	P	P	P	P	P	P	P	P
13.	Mohd Adil		P	P	A	P	P	P	P	P	P	P
14.	Sumit Kumar		P	P	P	P	P	A	P	P	P	P
15.	Nishu		P	P	P	P	P	P	P	A	P	P
16.	Rishabh		P	P	P	A	P	P	P	P	P	P
17.	Shakshi		P	P	P	P	A	P	P	P	P	P
18.	Shikara		P	A	P	P	P	P	P	P	P	P
19.	Shubham Tyagi		P	P	P	A	P	P	P	P	P	P
20.	Bonit Kumar		P	P	P	P	P	A	P	P	P	P
21.	Vikram Singh		P	P	P	P	P	P	A	P	P	P
22.	Vishesh Tamas		P	P	A	P	P	P	P	P	P	P
23.	Mahak		P	P	P	A	P	P	P	P	P	P
24.	Dali		P	P	P	P	P	A	P	P	P	P
25.	Aakansha		P	P	A	P	P	P	P	A	P	P
26.	Adesh Kumar		P	A	P	P	P	P	P	P	A	P
27.	Enul Mohammad		P	P	P	P	A	P	P	P	P	P
28.	Manish Kumar		P	P	P	P	P	A	P	P	P	P
29.	Aakash Saini		P	P	A	P	P	P	P	P	P	P
30.	Kajal		P	P	P	P	A	P	P	P	P	P
31.	Mohd Amir Alam		P	P	P	P	P	A	P	P	P	P
32.	Muhammad Shadab		P	P	P	P	P	P	A	P	P	P
33.	Nikhil		P	P	A	P	P	P	P	P	P	P
34.	Shubham Tyagi		P	P	P	P	A	P	P	P	P	P
35.	Mahak		P	P	P	P	P	A	P	P	P	P

Co-ordinator
GAC, Shri Ram College
Muzaffarnagar
Principal of Lecturer

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	P	P	A	P	P	P	P	P	P	P												
2	A	P	P	P	P	P	P	P	P	P												
3	P	P	A	P	P	P	P	A	P	P												
4	P	P	P	A	P	P	P	P	P	P												
5	A	P	P	P	P	P	P	P	P	P												
6	P	A	P	P	P	P	P	P	P	P												
7	P	P	P	A	P	P	P	P	P	P												
8	P	A	P	P	P	P	P	P	P	P												
9	P	P	P	P	P	P	P	P	P	P												
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11	P	P	A	P	P	P	P	P	P	P												
12	A	P	P	P	P	P	P	P	P	P												
13	P	A	P	P	P	P	P	P	P	P												
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25	P	P	P	P	P	P	P	P	P	P												
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27	P	A	P	P	P	P	P	P	P	P												
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34	P	P	P	A	P	P	P	P	P	P												
35	A	P	P	P	P	P	P	P	P	P												

Principal
Shri Ram College
Muzaffarnagar

Principal of Lecturer

Lecture Register Subject Remedial Mathematics

Class B.C.A. 1st Section C Month SEPTEMBER 2016

Sr. No.	Name of Student	Fl	1	2	3	4	5	6	7	8	9	10
1.	Abhinav Saini		P	P	A	P	P	P	P	P	P	P
2.	Akshay Kumar		P	P	P	P	P	A	P	P	P	P
3.	Amit Kumar		P	P	P	A	P	P	P	P	P	P
4.	Georav Kumar		P	P	P	P	P	A	P	P	P	P
5.	Himanshu Pal		P	P	P	P	P	P	A	P	P	P
6.	Mohd Maloom		P	P	P	P	P	P	P	A	P	P
7.	Mohd Masnoon		P	P	P	A	P	P	P	P	P	P
8.	Mohd Shadal		P	P	P	P	A	P	P	P	P	P
9.	Mohd Usman		P	P	A	P	P	P	P	P	P	P
10.	Mujeeb Ahmad		P	P	P	P	P	A	P	P	P	P
11.	Pranchi		P	P	P	A	P	P	P	P	P	P
12.	Rishant Tyagi		P	P	P	P	A	P	P	P	P	P
13.	Ritvanshu Mittal		P	P	P	P	P	P	P	A	P	P
14.	Rohit Saini		P	P	P	P	A	P	P	P	P	P
15.	Sachin Kumar		P	P	P	P	P	A	P	P	P	P
16.	Salman		P	P	A	P	P	P	P	P	P	P
17.	Shahenish		P	P	P	A	P	P	P	P	P	P
18.	Shameem Ahmad		P	P	P	P	P	A	P	P	P	P
19.	Sunny		P	A	P	P	P	P	P	P	P	P
20.	Tannu		P	P	P	A	P	P	P	P	P	P
21.	Vikash Kumar		P	P	P	P	P	A	P	P	P	P
22.	Vishu		P	P	P	P	P	P	A	P	P	P
23.	Zeban		P	P	P	A	P	P	P	P	P	P
24.	Shivani		P	P	A	P	P	P	P	P	P	P
25.	Alok Kumar		P	P	P	P	A	P	P	P	P	P
26.	Mohd Shaim		P	P	P	P	P	A	P	P	P	P
27.	Ankit Kumar		P	P	P	P	P	P	A	P	P	P
28.	Mohd Faizan		P	P	P	A	P	P	P	P	P	P
29.	Deepak		P	P	P	P	P	P	P	A	P	P

[Signature]

Shri Ram College
Muzaffarnagar

Sig. of Lecturer

[Signature]

Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
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2	A	P	P	P	P	P	P	P	P													
3	P	P	A	P	P	A	P	P	P													
4	A	P	P	P	P	P	P	P	P													
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6	A	P	P	A	P	P	P	P	P													
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9	A	P	P	P	P	P	P	P	P													
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12	P	P	A	P	P	P	P	P	P													
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Principal
Shri Ram College
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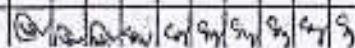
Lecture Register Subject Paramechial Mathematics

Class B.C.A. 1st Section D Month SEP, OCT, NOV 20.16.


Sr. No.	Name of Student	FI	1	2	3	4	5	6	7	8	9	10
1.	Aditya Kumar		P	P	P	A	P	P	P	P	P	P
2.	Akash Kumar		P	A	P	P	P	P	P	P	P	P
3.	Ashesh Kr. Saini		P	P	A	P	P	P	A	P	P	P
4.	Pradya Balyan		P	P	P	P	A	P	P	P	P	P
5.	Deepak Kumar		P	P	P	P	P	P	A	P	P	P
6.	Dnyanshu Pundir		P	P	A	P	P	P	P	P	P	P
7.	Hanshankar		P	P	P	A	P	P	P	P	P	P
8.	Himanshu Sharma		P	P	P	P	P	A	P	P	P	P
9.	Levi Gini		P	P	P	P	A	P	P	P	P	P
10.	Megha Rathi		P	P	A	P	P	P	P	A	P	P
11.	Mohd Sakib		P	P	P	P	A	P	P	P	P	P
12.	Mohd Salim		P	P	P	P	P	A	P	P	P	P
13.	Mohd Khan		P	P	A	P	P	P	P	P	P	P
14.	Naushad Ali		P	P	P	A	P	P	P	P	P	P
15.	Fardeen		P	P	A	P	P	P	P	P	P	P
16.	Aishabh		P	P	P	A	P	P	P	P	P	P
17.	Shalin		P	P	P	P	A	P	P	P	P	P
18.	Shekhar Saini		P	P	P	P	P	A	P	P	P	P
19.	Shivangi Singh		P	P	P	A	P	P	P	P	P	P
20.	Shubham Kumar		P	A	P	P	P	P	P	P	P	P
21.	Vaishali		P	P	A	P	P	P	P	P	P	P
22.	Vivek Kumar		P	P	P	P	A	P	P	P	P	P
23.	Nishant		P	P	P	P	P	P	A	P	P	P
24.	Vin Megha Tyagi		P	P	P	A	P	P	P	P	P	P
25.	Megha Rathi		P	A	P	P	P	P	P	P	P	P
26.	Nazim		P	P	A	P	P	P	P	P	P	P
27.	Nikita		P	P	P	P	A	P	P	P	P	P
28.	Rohit Kumar		P	P	P	P	P	A	P	P	P	P
29.	Vaishali		P	P	P	A	P	P	P	P	P	P
30.	Vaishita Bansal		P	P	P	P	P	A	P	P	P	P
31.	Ms. Saksham Anand		P	A	P	P	P	P	P	P	P	P

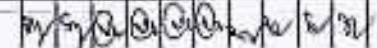

 Lect. C. Shri Ram College
 Muzaffarnagar

Sig. of Lecturer



Sr. No.	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
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5.	P	P	A	P	P	P	P	P	P	P													
6.	A	P	P	P	P	P	A	P	P	P													
7.	P	A	P	P	P	P	P	P	P	P													
8.	P	P	A	P	P	P	P	P	P	P													
9.	A	P	P	P	P	P	P	P	P	P													
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11.	P	A	P	P	P	P	P	P	P	P													
12.	P	P	A	P	P	P	P	P	P	P													
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14.	P	P	A	P	P	P	P	P	P	P													
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30.	P	P	P	A	P	P	P	P	P	P													
31.	P	A	P	P	P	P	P	P	P	P													


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 Shri Ram College
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Shri Ram College, Muzaffarnagar
BCA 1st Semester
Remedial Mathematics-Test Paper 1(2016-17)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 64 = 0$

- 1) $x = -8, x = 8$ 2) $x = -8, x = -8$ 3) $x = 8, x = 8$ 4) none

Q.2- Solve the following equation -

$x + y = 25, x - y = 3$

- 1) $x = 14, y = -11$ 2) $x = -14, y = -11$ 3) $x = -11, y = -14$ 4) $x = -11, y = 14$

Q.3- What is the smallest odd prime number-?

- 1) 2 2) 1 3) 3 4) 0

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 3,4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 15^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2\sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2\sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

2, 4, 8, 16,

- 1) 21 2) 22 3) 20 4) 2

Q.9- The sum of two numbers is 12. If the difference of two number is 4. Find the numbers.

- 1) $x = 8, y = 4$ 2) $x = -4, y = -8$ 3) $x = -4, y = 8$ 4) $x = 4, y = -8$


Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....

Signature of Subject Teacher.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Shri Ram College, Muzaffarnagar
BCA 1st Semester
Remedial Mathematics-Test Paper 2(2016-17)

Max time-45 min

Max marks 10

Each question carry equal 1 marks.

Q.1- Solve the equation $x^2 - 81 = 0$

- 1) $x = -9, x = -9$ 2) $x = 9, x = -9$ 3) $x = 9, x = 9$ 4) none

Q.2- Solve the following equation -

- $x + y = 12, x - y = 4$
1) $x = 8, y = 4$ 2) $x = -4, y = -8$ 3) $x = -8, y = -4$ 4) $x = -8, y = -4$

Q.3- What is the smallest natural number-?

- 1) 2 2) 1 3) $x = 3$ 4) $x = 0$

Q.4- Find distance between (4, 5) and (7, 9).

- 1) 3 2) 2 3) 4 4) 5

Q.5- If $f(x) = 3x^2 + 5x - 6$, then find the value of $f(-3)$.

- 1) -6 2) 6 3) $x = 5$ 4) $x = -5$

Q.6- L.C.M of 3,4 and 6

- 1) 8 2) 9 3) 24 4) 12

Q.7- Find the value of $\cos 15^\circ$

- 1) $(\sqrt{3} + 1)/2$ 2) $(\sqrt{3} - 1)/2\sqrt{2}$ 3) $(\sqrt{3} - 1)/2$ 4) $(\sqrt{3} + 1)/2\sqrt{2}$

Q.8- Find the n^{th} term of given G.P.

- 2, 4, 8, 16,.....
1) 21 2) 22 3) 20 4) 2


Q.9- The side of a square is 5 cm. find the Area?

- 1) $x = 25$ 2) $x = 20$ 3) $x = 30$ 4) None.

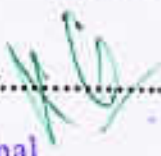
Q.10- Find the slope of a line passing through the two points (2, 4) and (3, 5).

- 1) $m = 1$ 2) $m = -1$ 3) 0 4) 2

Marks obtained.....


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar

Signature of Subject Teacher.....


Principal
Shri Ram College
Muzaffarnagar

SHRI RAM COLLEGE MUZAFFARNAGAR
DEPARTMENT OF COMPUTER APPLICATION
BCA 1st MATHS (2016-2017)

PERFORMANCE REPORT BEFORE & AFTER REMEDIAL CLASS

TOTAL MARKS : 10


S.No.	Student Name	F.I.	Before remedial	After Remedial
1	Aastha Jain		3	7
2	Abhinav Baliyan		3	8
3	Aakash Kumar		2	9
4	Akshit		3	10
5	Ankit Kumar		3	9
6	Ashwani Pal		2	8
7	Gaurav Saini		1	8
8	Gulbhar		2	10
9	Gulfan		1	9
10	Mohd Shaheer		2	8
11	Mohd Shuaib		3	8
12	Mohd Azam		1	9
13	Mohd Kaisar		1	10
14	Monu Kumar		2	8
15	Monu Kumar		1	9
16	Muharik		2	8
17	Pankaj Pal		4	9
18	Rajat Chaudhary		2	9
19	Rajneesh Kumar		3	9
20	Sajid Saifi		3	8
21	Shavez		2	10
22	Shuaib Ansari		3	9
23	Sumit Dhiman		3	9
24	Vipin Kumar		2	10
25	Daman Singh		1	9
26	Mohd Azam		2	8
27	Rohit kumar		1	8
28	Mohd Shuaib		2	10
29	Deepak Saudi		3	9
30	Mohan Tyagi		1	8
31	Aadarsh Baliyan		1	8
32	Aakansha		2	9
33	Abhinav Kumar		1	10
34	Ajay		2	8
35	Ankit Kumar		4	9
36	Gul Mohammad		2	8


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37	Harshit Gupta	3	9
38	Jyoti	3	9
39	Kajol	2	9
40	Khushnawaz	3	8
41	Manish Kumar	3	10
42	Mohd Amir Alam	2	9
43	Mohd Adil	3	8
44	Sumit Kumar	3	9
45	Nishu	2	10
46	Rishabh	1	9
47	Shakshi	2	8
48	Shivam	1	8
49	Shubham Tyagi	2	10
50	Sonit Kumar	3	9
51	Vikram Singh	1	8
52	Vishesh Tomar	1	8
53	Mahak	2	9
54	Doli	1	10
55	Adesh Kumar	2	8
56	Aakash Saini	4	9
57	Kajol	2	8
58	Muhammad Shadab	3	9
59	Nikhil	1	9
60	Abhinav Saini	1	9
61	Akshay Kumar	2	8
62	Amit Kumar	1	10
63	Gourav Kumar	2	9
64	Humanshu Pal	4	7
65	Mohd Masoom	2	8
66	Mohd Masnoon	1	9
67	Mohd Shadal	4	10
68	Mohd Usman	3	9
69	Mujeeb Ahmad	3	8
70	Prachi	2	8
71	Rishant Tyagi	3	10
72	Ritvanshu Mittal	3	9
73	Rohit Saini	2	8
74	Sachin Kumar	1	8
75	Salman	2	9
76	Shahrukh	1	10
77	Shameem Ahmad	2	8
78	Sunny	3	9
79	Tannu	1	8
80	Vikash kumar	1	9
81	Visnu	2	9


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82	Zishan	1	9
83	Shivani	2	8
84	Alok Kumar	4	10
85	Mohd Shaim	2	9
86	Ankit Kumar	2	7
87	Mohd Faizan	1	9
88	Deepak	2	8
89	Aditya Kumar Arya	3	7
90	Akash Kumar	1	8
91	Asheesh Kr Suini	1	8
92	Bindya Baliyan	2	9
93	Deepak Kumar	1	8
94	Divanshu Pundir	2	8
95	Harishankar	4	9
96	Himanshu Sharma	2	10
97	Lavi Giri	2	9
98	Megha Rathi	1	8
99	Mohd Sakib	2	8
100	Mobin Khan	3	10
101	Naushad Ali	1	9
102	Parveen	1	8
103	Rishabh	2	8
104	Shalu	1	9
105	Shekhar Saini	2	10
106	Shivangi Singh	4	8
107	Shubham Kumar	2	9
108	Vaishali	2	8
109	Vivek Kumar	1	9
110	Nishant	2	9
111	Km Megha Tyagi	3	8
112	Nazim	1	9
113	Nikita	1	10
114	Rohit Kumar	2	9
115	Vaishali	1	8
116	Vishita Bansal	2	8
117	Mo. Saleem Ansari	4	10
118	Aabid	2	9
119	Aarti Saini	2	8
120	Abhishek	1	9
121	Adarsh Kumar	2	10
122	Akshita Bhardwaj	3	9
123	Divyansha	1	8
124	Kanika Gupta	1	8
125	Km Farheen Khan	2	10
126	Sanawwar Husain	1	9


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Muzaffarnagar


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127	Shruti Tyagi		2	8
128	Tanu Baliyan		4	8
129	Roopa		2	9

Conclusion- It is to be main objective that some students will be taken to admission in BCA with non maths (Arts & Commerce field) with 10th Standard maths while in BCA. It is fulfill to the basic knowledge of 12th standard maths. So we try to this complete basic knowledge of 12th standard maths by remedial class.

We observe that to be start remedial class it is to better performance than before remedial class & Confidence Level is high and problem to be solved with accuracy.

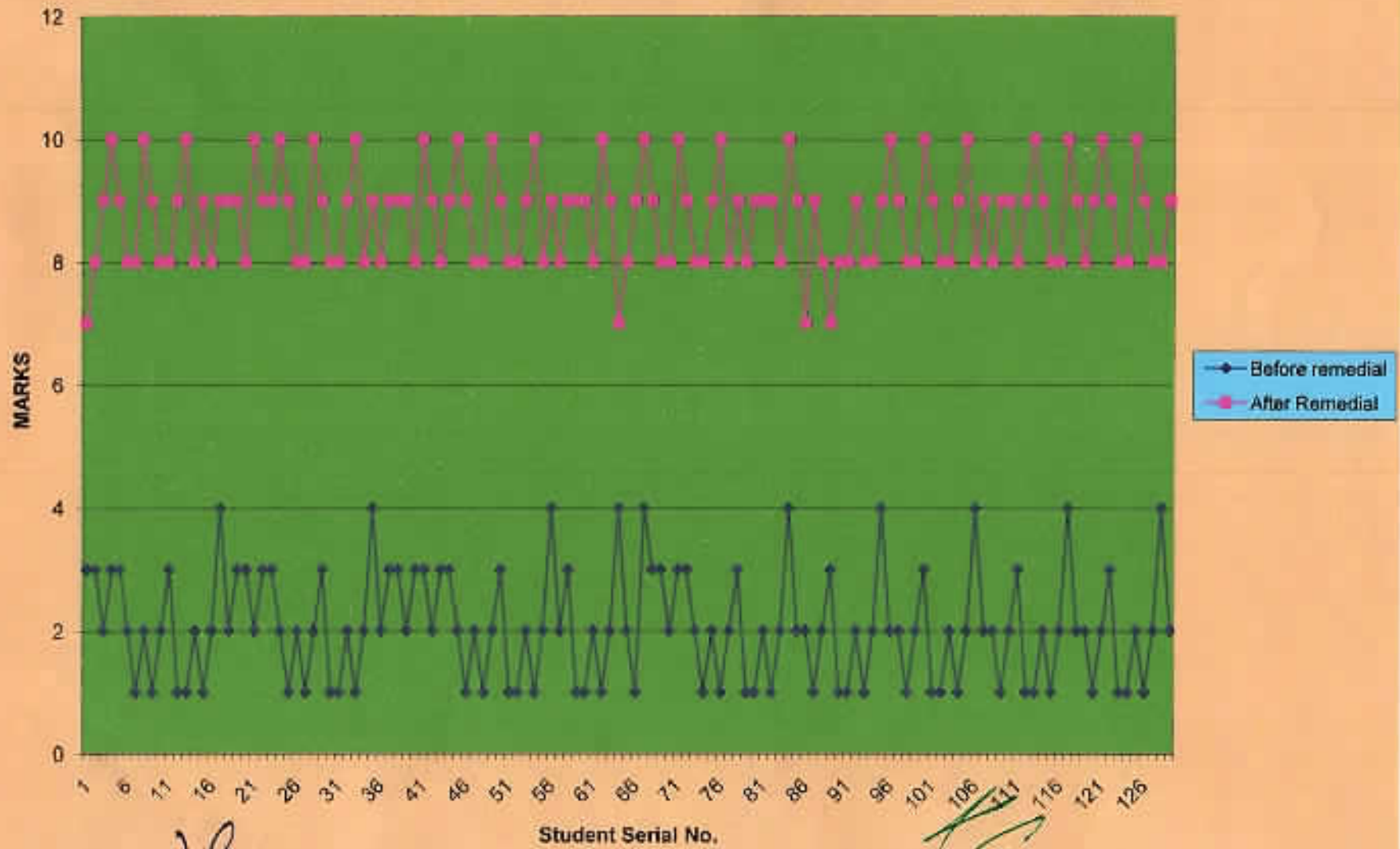
[Signature]
 (Prof. Nishant Kumar Rathi)
 Dean, U

[Signature]
 (SIDHANT GARGA)
 -Assistant Prof.
 Deptt of Computer Application

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 Co-ordinator
 IQAC, Shri Ram College,
 Muzaffarnagar

[Signature]
 Principal
 Shri Ram College
 Muzaffarnagar

STUDENT PERFORMANCE REPORT 2016-17



Handwritten notes:
 Principal
 IQAU

Signature
 Co-ordinator
 IQAU, Shri Ram College
 Muzaffarnagar

Signature
 Principal
 Shri Ram College
 Muzaffarnagar

Shri Ram College, Muzaffarnagar

Department of Computer Application

Notice

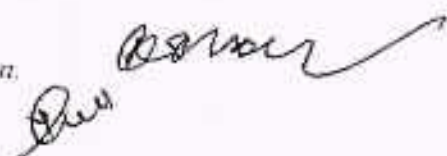
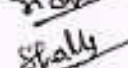

Date: 10/10/15


Students of BCA 1st year belonging to non math stream are identified for remedial classes in Mathematics, so that they may improve their basic understanding of the subject. The remedial class will commence from Monday dated 12/10/15 as per the schedule.

Day	Mon – Fri
Timings	1:40 – 2:30 pm
Venue	Room F6, First Floor, SRC

The list of identified students is pasted on the notice board for the reference of the students. All such students are expected to attend the classes regularly. The students will be assessed for progress after the completion of the course.


(Dr. Nishant Rathi)
HOD, C.A

- CC:
1. The Director, SRC for information.
 2. Mr. Vikrant Verma, Coordinator 
 2. Mr. Siddhant Garg 
 3. Ms. Shalu Chaudhary 
 4. Ms. Suman Yadav 


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

Department of Computer Application

Shri Ram College, Muzaffarnagar

Syllabus for Remedial Mathematics (BCA I Year)

Session: 2015-16

Duration: 20 hrs

Course Objectives:

- This is an introductory course in mathematics, the subject deals with introduction to Algebra, Trigonometry, Co-ordinate geometry and elementary Calculus.

Course Outcome:

- The student will learn the basics of mathematics which will be helpful in pursuing further studies in BCA course.

UNIT I

Algebra: Polynomials, Zeros of a Polynomial, Division algorithm for Polynomial, Principles of Mathematical Induction, Linear and Quadratic Equations, AP, GP and HP, Binomial theorem, Partial fractions, Matrices and Determinants

UNIT II

Trigonometry: Measurement of angles, trigonometry functions and trigonometric identities, trigonometric ratios of complementary angles, compound angles, trigonometry ratios of multiple angles ($\sin 2\theta$, $\cos 2\theta$, $\tan 2\theta$), simple problems on heights and distances.

UNIT III

Co-ordinate Geometry: Distances between two points, Section formula, Area of a triangle, division of line segment, Graphs of Linear Equations.

Unit IV

Calculus: Functions, Limits and Continuity, Simple Differentiation and Integration formulas.

- Books Recommended:
1. A textbook of Mathematics for XI-XII Students, NCERT Pub.
 2. R.S. Aggarwal Senior Secondary School Mathematics for Class XI and XII.
 3. R.D. Sharma Mathematics for Class XI and XII

Course Design Team:

Mr. Sidhant Garg 

Dr. Shalu Chaudhary 


Ms. Suman Yadav 

Recommended By:


(Dr. Nishant Kumar Rathi)


Dean, CA

Approved By:

(Dr. D.S.Rawat) 

Director


Co-ordinator
IQAC, Shri Ram College,
Muzaffarnagar


Principal
Shri Ram College
Muzaffarnagar

BCA Ist MATHS (Remedial Class) – 2015-16
List of participants students

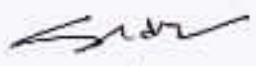

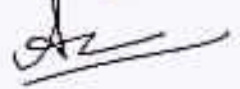

S.No.	Student Name	FI	SECTION
1	ABHISHEK RANA		A
2	AKIB RAZA		A
3	AKSHAY SRIVASTAV		A
4	AKSHIT TYAGI		A
5	AKSHAY KUMAR		A
6	ANKIT KUMAR		A
7	ANKUSH KUMAR		A
8	ASHISH SINGH KHARI		A
9	BHANU PRATAF		A
10	DIGVIJAY SHARMA		A
11	KM ANJU		A
12	KM ANKITA TYAGI		A
13	KM AZMI		A
14	KM RIYA GOSWAMI		A
15	KM NOOR FATMA		A
16	KOMAL		A
17	PIYUSH		A
18	SHUBHAM CHAUDHARY		A
19	SHUBHAM KUMAR		A
20	SHWETANK KATARIYA		A
21	SUDARSHAN SAINI		A
22	VISHAL GIRI		D
23	INDRAJEET		D
24	AISHWARYA		D
25	ANKIT KUMAR		A
26	ANSHUL KUMAR		A
27	BUNTY KUMAR		A
28	CHARU		A
29	GAURAV SHAKYA		A
30	KM RIYA		A
31	MOHD FAHEM		B
32	PRASHANT PANWAR		B
33	RISHABH SHARMA		B
34	SANDEEP KUMAR		B
35	SHEEBA		B
36	SHUBHAM		B
37	SIDDHARTH KUMAR		B
38	SUMIT KUMAR		D
39	SUMIT KUMAR		D
40	KAMAL KUMAR		D


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41	ABDUL SAMAD		C
42	AJAY KUMAR		C
43	CHAND MIYA		C
44	JAVED		C
45	KAIF		C
46	KAMAL KUMAR		C
47	KAPIL PANWAR		C
48	KM SHIVANI		C
49	KM SAKSHI		C
50	KM SHIVANI GOYAL		C
51	MANOJ PAL		C
52	MOHD SHAHID		C
53	MOHD ZUNAID		C
54	MONU		C
55	PARVEZ ALAM		C
56	RAJEEV TYAGI		C
57	SHAHBAZ		C
58	SHUBHAM KUMAR		C
59	SHUBHAM KUMAR		C
60	SUBHAM		C
61	VASU KUMAR		C
62	VIPUL GOYAL		D
63	VIPUL KUMAR		D
64	MD MAHTAB		D
65	SUHEL AHMAD		D
66	ANKIT PAL		D
67	ANKIT KUMAR		D
68	KM JYOTI		D
69	MOJI MOHSIN		D


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 Dr. Nishant Kumar Rathor
 Dean Comp. App.

 Principal
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SHRI RAM COLLEGE

Faculty of Computer Application

Remedial Class (Mathematics) - (2015-16)

Roll No. Name :

Max. Marks: 10 Student Evaluation Test -1 Time duration: 30 Min

- The smallest 3digit prime number is
(a) 103 (b) 107 (c) 101 (d) 113
- If 60% of $\frac{3}{5}$ of a number is 36 then the number is
(a) 80 (b) 100 (c) 75 (d) 90
- The sum of first 10 natural number is
(a) 51 (b) 53 (c) 54 (d) 55
- $\frac{1095}{1168}$ when expressed in simplest form is
(a) $\frac{13}{16}$ (b) $\frac{15}{16}$ (c) $\frac{17}{26}$ (d) $\frac{25}{26}$
- If $\frac{x}{y} = \frac{6}{5}$, find the value of $\frac{(x^2+y^2)}{(x^2-y^2)}$
(a) $\frac{61}{11}$ (b) $\frac{60}{11}$ (c) $\frac{62}{11}$ (d) $\frac{63}{11}$
- $\int (x^2+x^3+1/x)dx$ is equal to
(a) $\frac{x^3}{3} + \frac{x^4}{4} + \log x$ (b) $\frac{x^2}{2} + \frac{x^3}{3} + \frac{1}{x^2}$
(c) $\frac{x^3}{3} + \frac{x^4}{4} + \frac{1}{x^2}$ (d) none
- $(\sqrt{2} + 1/\sqrt{2})^2$ is equal to
(a) $\frac{5}{2}$ (b) $\frac{7}{2}$ (c) $\frac{9}{2}$ (d) $\frac{11}{2}$
- If $Y = x^3 + x^2 + x$ then $dy/dx =$
(a) $1+x+2x^2$ (b) $x+2x+3x^2$ (c) $2x+1+3x^2$ (d) $1+2x^2+3x$
- If $Y = \log x$, then $dy/dx =$
(a) $1/x^2$ (b) $1/x$ (c) $-1/x$ (d) x
- find the average of given number : 4,2,3,5,6
(a) 3 (b) 5 (c) 4 (d) 3.5

Max Marks Obtained: _____

Teachers Signature: _____

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SHRI RAM COLLEGE

Faculty of Computer Application

Remedial Class (Mathematics) - (2015-16)

Roll No. Name :

Max. Marks: 10 Student Evaluation Test -1 Time duration: 30 Min

- The smallest 3digit prime number is
(a) 103 (b) 107 (c) 101 (d) 113
- If 60% of $\frac{3}{5}$ of a number is 36 then the number is
(a) 80 (b) 100 (c) 75 (d) 90
- The sum of first 10 natural number is
(a) 51 (b) 53 (c) 54 (d) 55
- $\frac{1095}{1168}$ when expressed in simplest form is
(a) $\frac{13}{16}$ (b) $\frac{15}{16}$ (c) $\frac{17}{26}$ (d) $\frac{25}{26}$
- If $\frac{x}{y} = \frac{6}{5}$, find the value of $\frac{(x^2+y^2)}{(x^2-y^2)}$
(a) $\frac{61}{11}$ (b) $\frac{60}{11}$ (c) $\frac{62}{11}$ (d) $\frac{63}{11}$
- $\int (x^2+x^3+1/x)dx$ is equal to
(a) $\frac{x^3}{3} + \frac{x^4}{4} + \log x$ (b) $\frac{x^2}{2} + \frac{x^3}{3} + \frac{1}{x^2}$
(c) $\frac{x^3}{3} + \frac{x^4}{4} + \frac{1}{x^2}$ (d) none
- $(\sqrt{2} + 1/\sqrt{2})^2$ is equal to
(a) $\frac{5}{2}$ (b) $\frac{7}{2}$ (c) $\frac{9}{2}$ (d) $\frac{11}{2}$
- If $Y = x^3 + x^2 + x$ then $dy/dx =$
(a) $1+x+2x^2$ (b) $x+2x+3x^2$ (c) $2x+1+3x^2$ (d) $1+2x^2+3x$
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(a) $1/x^2$ (b) $1/x$ (c) $-1/x$ (d) x
- find the average of given number : 4,2,3,5,6
(a) 3 (b) 5 (c) 4 (d) 3.5

Max Marks Obtained: _____

Teachers Signature: _____

Shri Ram College
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SHRI RAM COLLEGE

Faculty of Computer Application

Remedial Class (Mathematics) - (2015-16)

Roll No. Name :

Max. Marks: 10 Student Evaluation Test 2 Time duration: 30 Min

(1) Find the Value Of Determinant-

$$\begin{vmatrix} 4 & -3 \\ 2 & -1 \end{vmatrix}$$

(a) 4 (b) 3 (c) 2 (d) -2

(2) $\lim_{x \rightarrow 2} (2x^2 - 8) / (x - 2)$

(a) 0 (b) 8 (c) 7 (d) 6

(3) $d/dx (\tan x) = ?$

(a) 0 (b) $\cos^2 x$ (c) $\sec^2 x$ (d) $1/\sec^2 x$

(4) find $\int x^8 dx$

(a) $x^9/9 + c$ (b) $x^9/9 + c$ (c) $x^9/9$ (d) $x^9 + c$

(5.) If $\vec{a} = i + j + 2k$ & $\vec{b} = 3i + 2j - k$ then find $\vec{a} \cdot \vec{b}$

(a) 0 (b) 1 (c) -1 (d) none of them

(6.) If \vec{a} & \vec{b} are two vectors s.t. $|\vec{a}|=5$ $|\vec{b}|=6$ & $\vec{a} \cdot \vec{b}=15$ find the angle between \vec{a} & \vec{b} .

(a) 60 (b) 50 (c) 30 (d) 90

(7.) What is average of 2 no. a & b?

(a) $(a+b)/2$ (b) $(a-b)/2$ (c) $a^2+b^2/2$ (d) $a^2-b^2/2$

(8.) find $d/dx (x \cdot \sin x)$.

(a) $x \sin x + \cos x$ (b) $x \cos x + \sin x$ (c) $x \cos x$ (d) $\sin x$

(9.) Evaluate $\lim_{x \rightarrow 1} (x^3 - 1^3) / (x - 1)$.

(a) 1 (b) -1 (c) 0 (d) none of these

(10.) find $(a+b)^3 = ?$

(a) $a^3 + b^3 - 3ab(a+b)$ (b) $a^3 + b^3 + 3ab(a+b)$ (c) $a^3 + b^3$ (d) 0

Max Marks Obtained: _____ Teachers Signature: _____

SHRI RAM COLLEGE

Faculty of Computer Application

Remedial Class (Mathematics) - (2015-16)

Roll No. Name :

Max. Marks: 10 Student Evaluation Test 2 Time duration: 30 Min

(1) Find the Value Of Determinant-

$$\begin{vmatrix} 4 & -3 \\ 2 & -1 \end{vmatrix}$$

(a) 4 (b) 3 (c) 2 (d) -2

(2) $\lim_{x \rightarrow 2} (2x^2 - 8) / (x - 2)$

(a) 0 (b) 8 (c) 7 (d) 6

(3) $d/dx (\tan x) = ?$

(a) 0 (b) $\cos^2 x$ (c) $\sec^2 x$ (d) $1/\sec^2 x$

(4) find $\int x^8 dx$

(a) $x^9/9 + c$ (b) $x^9/9 + c$ (c) $x^9/9$ (d) $x^9 + c$

(5.) If $\vec{a} = i + j + 2k$ & $\vec{b} = 3i + 2j - k$ then find $\vec{a} \cdot \vec{b}$

(a) 0 (b) 1 (c) -1 (d) none of them

(6.) If \vec{a} & \vec{b} are two vectors s.t. $|\vec{a}|=5$ $|\vec{b}|=6$ & $\vec{a} \cdot \vec{b}=15$ find the angle between \vec{a} & \vec{b} .

(a) 60 (b) 50 (c) 30 (d) 90

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(8.) find $d/dx (x \cdot \sin x)$.

(a) $x \sin x + \cos x$ (b) $x \cos x + \sin x$ (c) $x \cos x$ (d) $\sin x$

(9.) Evaluate $\lim_{x \rightarrow 1} (x^3 - 1^3) / (x - 1)$.

(a) 1 (b) -1 (c) 0 (d) none of these

(10.) find $(a+b)^3 = ?$

(a) $a^3 + b^3 - 3ab(a+b)$ (b) $a^3 + b^3 + 3ab(a+b)$ (c) $a^3 + b^3$ (d) 0

Max Marks Obtained: _____ Teachers Signature: _____


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Shri Ram College Muzaffarnagar
Department of Computer Application
BCA 1st MATHS (Remedial Class) – 2015-16
Performance Report Before & After Remedial Class

S.No	Student Name	Marks in test out of 10 Marks	
		Before Remedial	After Remedial
1	ABHISHEK RANA	4	8
2	AKIB RAZA	2	9
3	AKSHAY SRIVASTAV	1	8
4	AKSHIT TYAGI		9
5	AKSHAY KUMAR	3	9
6	ANKIT KUMAR	4	9
7	ANKUSH KUMAR	3	7
8	ASHISH SINGH KHARI	1	6
9	BHANU PRATAP	2	8
10	DIGVIJAY SHARMA	1	7
11	KM ANJU	3	9
12	KM ANKITA TYAGI	2	8
13	KM AZMI	1	8
14	KM RIYA GOSWAMI	2	7
15	KM NOOR FATMA	4	9
16	KOMAL	3	6
17	PIYUSH	2	8
18	SHUBHAM CHAUDHARY	4	7
19	SHUBHAM KUMAR	2	9
20	SHWETANK KATARIYA	1	8
21	SUDARSHAN SAINI	3	10
22	VISHAL GIRI	2	8
23	INDRAJEET	3	9
24	AISHWARYA	2	8
25	ANKIT KUMAR	3	7
26	ANSHUL KUMAR	1	9
27	BUNTY KUMAR	2	8
28	CHARU	3	7
29	GAURAV SHAKYA	1	9
30	KM RIYA	4	8
31	MOHD FAHEM	2	9
32	PRASHANT PANWAR	3	8
33	RISHABH SHARMA	1	7
34	SANDEEP KUMAR	4	8


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35	SHEEBA	2	7
36	SHUBHAM	1	9
37	SIDDHARTH KUMAR	3	7
38	SUMIT KUMAR	4	8
39	SUMIT KUMAR	2	9
40	KAMAL KUMAR	1	8
41	ABDUL SAMAD	3	9
42	AJAY KUMAR	4	8
43	CHAND MIYA	1	9
44	JAVED	4	8
45	KAFI	1	6
46	KAMAL KUMAR	3	6
47	KAPIL PANWAR	2	6
48	KM SHIVANI	1	8
49	KM SAKSHI	4	7
50	KM SHIVANI GOYAL	2	8
51	MANOJ PAL	1	7
52	MOHD SHAHID	3	9
53	MOHD ZUNAID	3	10
54	MONU	2	8
55	PARVEZ ALAM	4	7
56	RAJEEV TYAGI	2	9
57	SHAHBAZ	3	8
58	SHUBHAM KUMAR	1	7
59	SHUBHAM KUMAR	2	8
60	SUBHAM	4	7
61	VASU KUMAR	1	8
62	VIPUL GOYAL	2	7
63	VIPUL KUMAR	1	8
64	MD MAHTAB	2	9
65	SUHEL AHMAD	4	9
66	ANKIT PAL	2	8
67	ANKIT KUMAR	3	8
68	KM JYOTI	4	7
69	MOH MOHSIN	2	8

Conclusion- The main objective of this remedial class is to identify those students who face problems in understanding mathematics as they may belong to non math's stream at the intermediate level (Arts, Commerce and Biology etc). Such students are not able to cope up with others during normal class teaching in BCA course.

Remedial teaching helps to impart the basic understanding and knowledge of mathematics of intermediate level that helps students grasp the subject matter.

Sub Teacher-

1. Mr. Sidhant Garg
2. Dr. Shalu Chaudhary
3. Ms. Suman Yadav

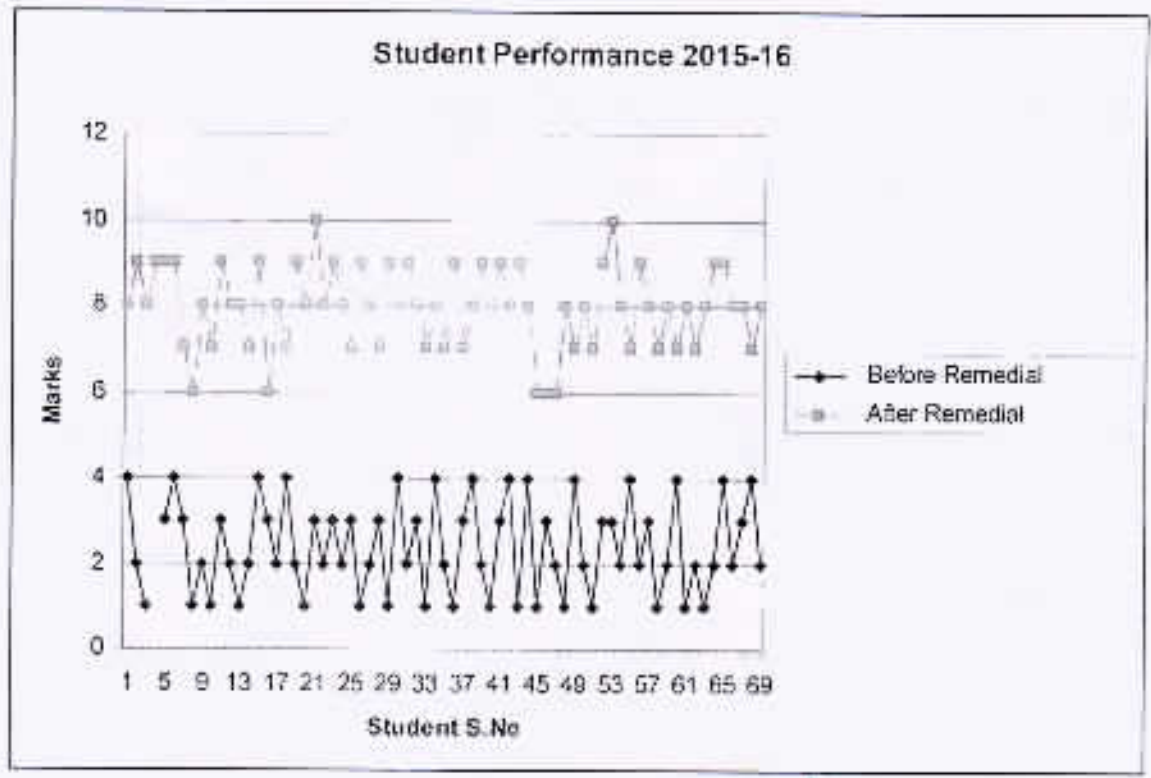
Sidhant Garg
shalu
Suman Yadav

Dr. Nishant Kumar Rathi
Dean Comp. App.

Nishant Kumar Rathi

Suman Yadav
Co-ordinator
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