

# ANJUMAN KHAIRUL ISLAM'S **POONA COLLEGE** OF ARTS, SCIENCE & COMMERCE

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OF ARTS SCIENCE & COMMERC

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Y & M Anjuman Khairul Islam's

POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970)

K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Date: 22/06/19

# NOTICE

All the students of <u>F.Y.B.Sc, F.Y. B.Sc. (C.S)(Div: A &B)</u>, <u>F.Y.B.A (Maths) &</u> <u>F.Y.B.B.A</u> are informed that, the Department of Mathematics is going to conduct Bridge Course. The course will start from 24<sup>th</sup> June 2019 to 28<sup>th</sup> June 2019 as per following schedule. Attendance is compulsory for all concern students.

Time Table: F.Y.B.Sc

### Hall No. : 11/41

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	24/06/2019	1:20 to 2:10	Maths P-I	Dr. Amjad Shaikh
			3.00 to 3.50	Maths P-II	Mr. Akhlaque Ahmed
2.	Tuesday	25/06/2019	1:20 to 2:10	Maths P-I	Dr. Amjad Shaikh
			3.00 to 3.50	Maths P-II	Mr. Akhlaque Ahmed

Time Table: F.Y.B.Sc (CS) Div. : A

Hall No. : 101

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	24/06/2019	09.10 to10:00	Maths P-II	Mrs. Shaheen khan
2.	Tuesday	25/06/2019	10:00 to10:50	Maths P-I	Mrs. Munzarin Sajjan
3.	Wednesday	26/06/2019	07.30 to 08.20	Maths P-II	Mrs. Shaheen khan
			08.20 to 09.10	Maths P-I	Mrs. Munzarin Sajjan

# Time Table: F.Y.B.Sc (CS) Div. : B

### Hall No. : 102

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	24/06/2019	9:10 to10:00	Maths P-I	Mrs. Munzarin Sajjan
			10:00 to10:50	Maths P-II	Mrs. Shaheen khan
2.	Wednesday	26/06/2019	7:30 to 8:20	Maths P-I	Mrs. Munzarin Sajjan
3.	Friday	28/06/2019	7:30 to 8:20	Maths P-II	Mrs. Shaheen khan

Time Table: F.Y.B.A

Hall No. : 14

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Thursday	24/06/2019	9:10 to10:00	Mathematics (FMG-I)	Dr. Amjad Shaikh
2.	Friday	25/06/2019	9:10 to10:00	Mathematics (FMG-I)	Dr. Amjad Shaikh

Head,

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Department of Mathematics

Head Bepartment of Mathematics Anjuman Khairul Islam's Poona College of Arts, Science and Commerce, Camp, Pune - 411901

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Signature of Faculty Incharge

Head Bepartment of Mathematics Anjuman Khairul Islam's Poona College of Arts, Ssience and Commerce, Camp, Pune - 411001

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Date of Activity: 24 <sup>th</sup> June to 26 <sup>th</sup> June Time						
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Head Bepartment of Mathematics Anjuman Khairul Islam's Poonta College of Arts, Salence and Commerce, Camp, Pune - 411001

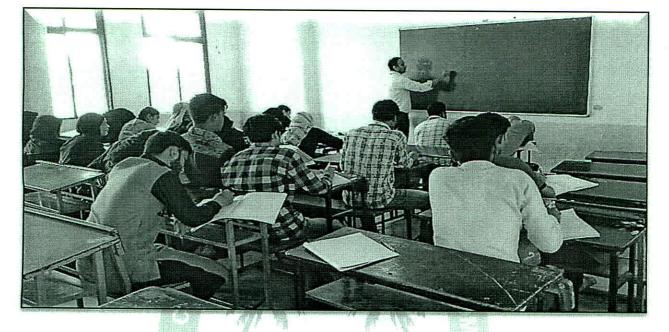
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Y & M Anjuman Khairul Islam's





Dr. Amjad Shaikh delivering a lecture during the Bridge Course FYB.Sc on 24/06/19



Mr.Akhlaque Ahmed delivering a lecture during the Bridge Course FYBSL On 25/06/19.

K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in



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### Department of Mathematics Bridge Course (2019-20) F.Y.B.Sc

# **Syllabus**

### Unit 1: Sets and Relations

1.1 Operations on sets1.2 Relation

# Unit 2: Two Dimensional Geometry

2.1 Translation of axes

2.2 Rotation of axes

### Unit 3: Real Numbers

3.1 Algebraic properties

#### **Unit 4: Differentiation**

4.1 Definition and examples of derivative

1 Lecture

**1** Lecture

**1** Lecture

1 Lecture

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Head Department of Mathematics Anjuman Khairul Islam's Poona College of Arts, Science and Commerce, Camp, Pune - 411001



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribal Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Y & M Anjuman Khairul Islam's



26-6-2019

## Department of Mathematics Assessment Test of Bridge Course (2019-20) F.Y.B.Sc

Duration: 40 minutes

Max. Marks: 10

Roll No.: 5211

Name of Student: Ansari Juveriya

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1If  $A = \{1, 2\}$  then  $A \ge A =$ 

a) {1, 4}
b) {1, 2, 4}
✓C) {(1, 1), (1, 2), (2, 1), (2, 2)}

Q.2 If  $R = \{(1, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

a) {(1, 1/3), (1, ½)}
b) {(3, 1), (2, 1)}
c) {(1, 2), (1, 3)}

Q.3 How many relations can be defined from a set  $A = \{1, 2\}$  to itself? [1 M]

a) 3 b) 6 ✓c) 15

Q.4 If origin is shifted to the point (1, 2) then the new co-ordinates of the point

(2, 3) is

a) (1, 1)
b) (-1, -1)
c) (3, 4)

[1 M]

[1 M]

Q. 5 If a < b and c < n then

a) ac < bc →b) ac > bc c) ac = bc

Q.6 If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is

- a)  $2x + \sin x$
- b)  $2x \cos x$
- $\sim$  c) 2x + cos x
- Q.7 Solve the following.

1) Write the equations of rotation when axes are rotated through angle  $45^{\circ}$ .

x = x'cos45 - y'sin45 y = \$ sin45 + y'cos45

2) If a < b and c < d then prove that a + c < b + d.

 $\begin{array}{rcl} a < b & = ) & a + c < b + c \\ c < d & = ) & b + c < b + d \\ & = ) & a + c < b + d \end{array}$ 

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[4 M]

[1 M]



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# Department of Mathematics Assessment Test of Bridge Course (2019-20) F.Y.B.Sc

	F.Y.B.SC	a 6 3 7	
<b>Duration: 40</b> minutes	1 ~	Max. Marks: 10	-
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Date: 26/6/19		(67/10 A	Å
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a) {1,4}	1		
b) $\{1, 2, 4\}$			
(1, 1), (1, 2), (2, 1),		9 8 6 1 8 9 6 7 1 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Q.2 If $R = \{(1, 3), (1, 2)\}$ is	a relation on $A = \{1, $	2, 3} then inverse of R is $[1 N]$	<b>A</b> ]
a) {(1, 1/3), (1, 1/2) b) {(3, 1), (2, 1) c) {(1, 2), (1, 3)	\		
Q.3 How many relations ca	n be defined from a se	et $A = \{1, 2\}$ to itself? [1 N	<b>A</b> ]
La) 3	1	2	<b>~</b> -
b) 6	X	0	
c) 15			
Q.4 If origin is shifted to the	e point (1, 2) then the	new co-ordinates of the point	
(2, 3) is	8	[1 N	'n
	/		-1
(1, 1)			
b) (-1, -1) c) (3, 4)			×a 

.

Q. 5 If a < b and c < 0 then

a) ac < bc b) ac > bc c) ac = bc

Q.6 If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is

a)  $2x + \sin x$ b)  $2x - \cos x$ c)  $2x + \cos x$ 

Q.7 Solve the following.

n=x+y

1) Write the equations of rotation when axes are rotated through angle  $45^{\circ}$ .

0

2) If a < b and c < d then prove that a + c < b + d.

=> axb adding a both side Atc × atil + C Now chd adding b b+c < b+d. > a+c < b+d

\*\*\*\*\*\*

[1 M]

[4 M]-



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## Department of Mathematics Assessment Test of Bridge Course (2019-20) F.Y.B.Sc

**Duration:** 40 minutes Max. Marks: 10 Name of Student: Saurabh dighe Roll No.: 5184 Instructions: 1) All questions are compulsory. 2) Figures to the right indicate full marks. Q.1If  $A = \{1, 2\}$  then  $A \ge A =$ [1 M](-a) {1, 4} b)  $\{1, 2, 4\}$ c)  $\{(1, 1), (1, 2), (2, 1), (2, 2)\}$ Q.2 If  $R = \{(1, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M] a {(1, 1/3), (1, 1/2)} b)  $\{(3, 1), (2, 1)\}$ c)  $\{(1, 2), (1, 3)\}$ Q.3 How many relations can be defined from a set  $A = \{1, 2\}$  to itself? [1 M]

a) 3 b) 6 c) 15

Q.4 If origin is shifted to the point (1, 2) then the new co-ordinates of the point

[1 M]

(2, 3) is

(1, 1) b) (-1, -1) c) (3, 4) Q. 5 If a < b and c <  $^{\circ}$  from

a) ac < bc  $\checkmark$ b) ac > bc c) ac = bc

Q.6 If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is

a)  $2x + \sin x$ 

b)  $2x - \cos x$ c)  $2x + \cos x$ 

Q.7 Solve the following.

1) Write the equations of rotation when axes are rotated through angle  $45^{\circ}$ .

 $Sin 45 = \frac{1}{\sqrt{2}}$  $Cos 45 = \frac{1}{\sqrt{2}}$ 

2) If a < b and c < d then prove that a + c < b + d.

ach

+ C < d a+c < b+ d

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[1 M]

[4 M]

Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in **Department of Mathematics** Assessment Test of Bridge Course (2019-20) F.Y.B.Sc **Duration: 40 minutes** Max. Marks: 10 Name of Student: Shaikh Ayeshia Roll No.: 5114 Instructions: 1) All questions are compulsory. 2) Figures to the right indicate full marks. Q.1If  $A = \{1, 2\}$  then  $A \ge A =$ [1 M] a)  $\{1, 4\}$ b) {1, 2, 4} **v** {(1, 1), (1, 2), (2, 1), (2, 2)} Q.2 If  $R = \{(1, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M] (1, 1/3),  $(1, \frac{1}{2})$ b)  $\{(3, 1), (2, 1)\}$ c)  $\{(1, 2), (1, 3)\}$ Q.3 How many relations can be defined from a set  $A = \{1, 2\}$  to itself? [1 M] a) 3 br 6 c) 15 Q.4 If origin is shifted to the point (1, 2) then the new co-ordinates of the point (2, 3) is , **[1 M]** (1,1)b) (-1, -1) c) (3, 4)

Q. 5 If a < b and c < 0 then

a) ac < bc Lb) ac > bc c) ac = bc

Q.6 If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is

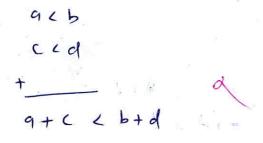
- a)  $2x + \sin x$
- b)  $2x \cos x$
- $(x) 2x + \cos x$
- Q.7 Solve the following.

1) Write the equations of rotation when axes are rotated through angle  $45^{\circ}$ .

$$cos 45 = \frac{1}{Jz}$$

$$sin 45 = \frac{1}{Jz}$$

2) If a < b and c < d then prove that a + c < b + d.

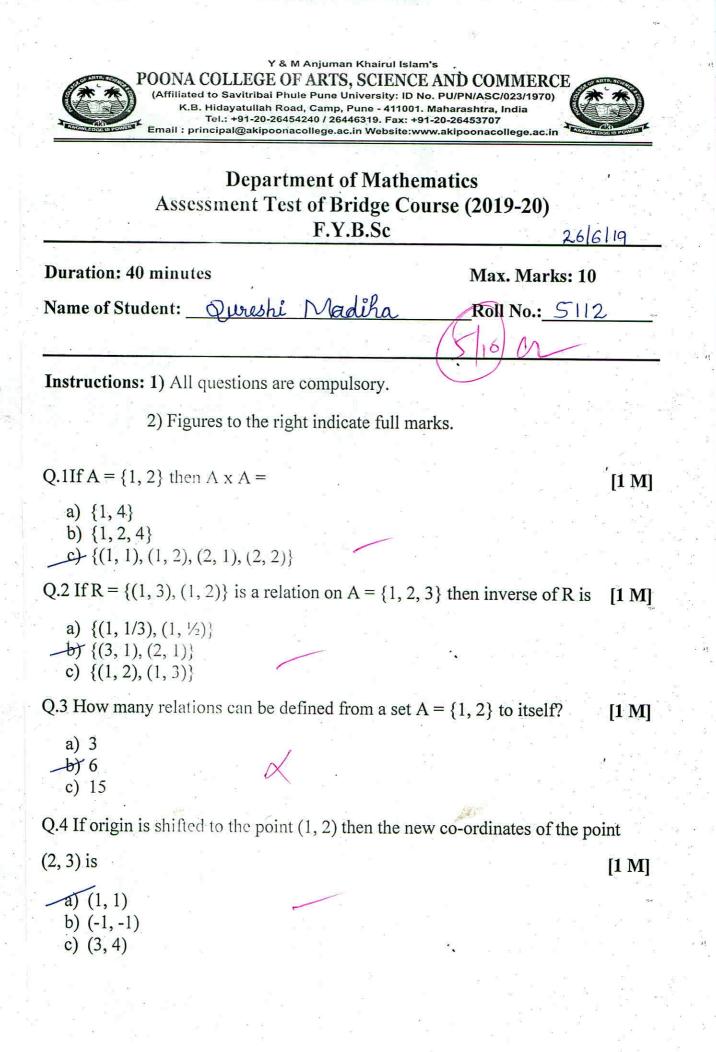


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# [1 M]

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[1 M]



Q. 5 If a < b and c < 0 then

a) ac < bc b) ac > bc c) ac = bc

Q.6 If  $y = x^2 + \sin y \, dy = \frac{dy}{dx}$  is

a)  $2x + \sin x$ 

b)  $2x - \cos x$ 

 $c) -2x + \cos x$ 

Q.7 Solve the following.

1) Write the equations of rotation when axes are rotated through angle 45°.

 $\chi = \chi' + \cos 45^{\circ}$ 

8 BBB

2) If a < b and c < c' = c prove that a + c < b + d.

q + c < b + c

acb

c Ld

[1 M]

[4 M]



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# Department of Mathematics Bridge Course (2019-20) F.Y.B.Sc (CS)

# **Syllabus**

### Unit 1: Matrices

1.1Operations on matrices1.2Types of matrices

### Unit 2: Discrete Mathematics

2.1logic

### Unit 3: Graph theory

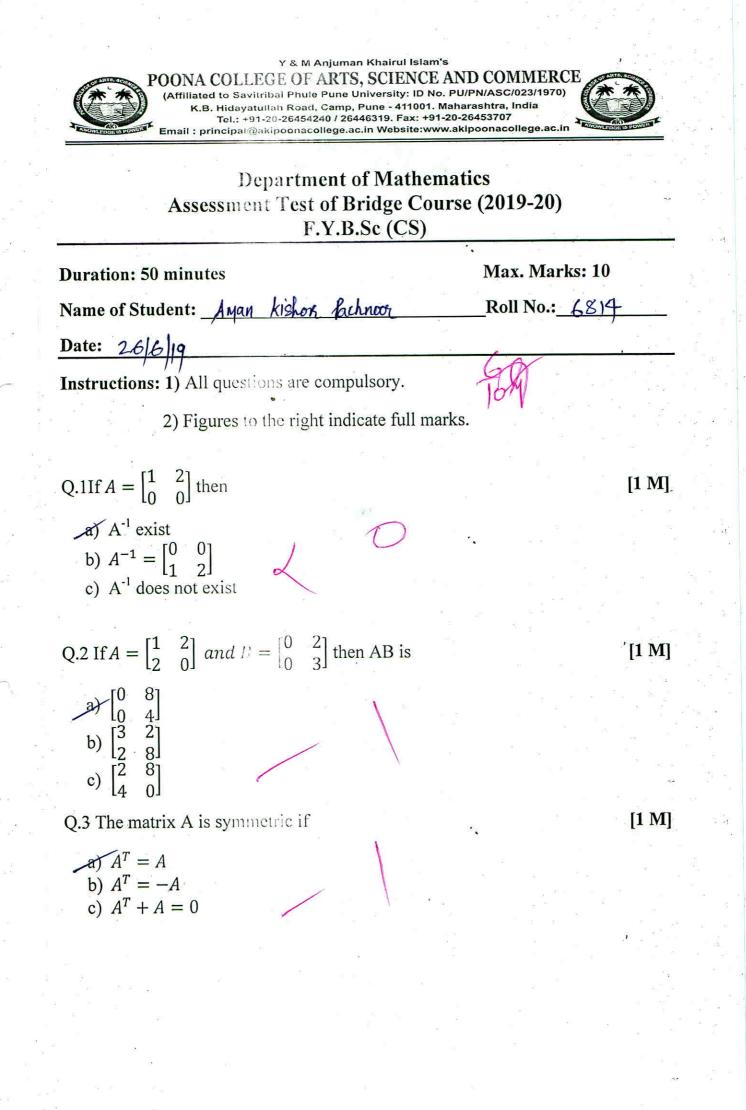
3.1 Types of graph

2 Lectures

**1** Lecture

1 Lecture

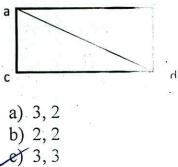
Head Department of Mathematics Anjuman Khairul Islam's Poona College of Arts, Selance and Commerce, Camp, Funs - 411001

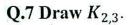


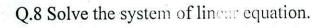
Q.4  $\sim (p \land q)$  is a)  $(p \land q)$ b)  $\sim (p \lor q)$ c)  $\sim p \lor \sim q$ Q. 5 The graph  $N_4$  is a) Nullity graph on 4 vertices b) Null graph on 4 vertices c) Null graph on 3 vertices (1 M] (1

[2 M]

[2 M]

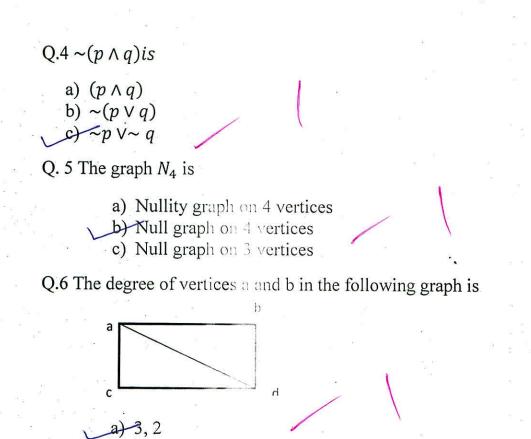






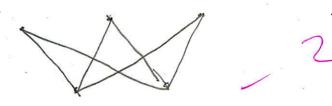
x + y = 1, 2x - y = 2

Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE Dai Phule Pune University: ID No. PU/PN/ASC/023/1970) Hah Road, Camp, Pune - 411001. Maharashtra, India 20-26454240 / 26446319. Fax: +91-20-26453707 Tel. Email : princip ipoonacollege.ac.in Website:www.akipoonacollege.ac.in Department of Mathematics Assessment. Test of Bridge Course (2019-20) F.Y.B.Sc (CS) **Duration: 50 minutes** Max. Marks: 10 Name of Student: Amin Shaikh Roll No.: 6914 Date: 26/6/2019 Instructions: 1) All questions are compulsory. 2) Figures to the right indicate full marks. Q.1If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then [1 M] a) A<sup>-1</sup> exist b)  $A^{-1} = \begin{bmatrix} 0 & 0 \\ 1 & 2 \end{bmatrix}$ c)  $A^{-1}$  does not exist Q.2 If  $A = \begin{bmatrix} 1 & 2 \\ 2 & 0 \end{bmatrix}$  and  $I = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is [1 M] Q.3 The matrix A is symmetric if [1 M] (a)  $A^T = A$ b)  $A^T = -A$ c)  $A^{T} + A = 0$ 



b) 2, 2 c) 3, 3

Q.7 Draw K<sub>2,3</sub>.



Q.8 Solve the system of linear equation.

x + y = 1, 2x - y = 2

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[1 M]

[1 M]

[2 M]

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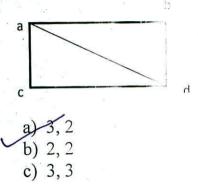
Q.4 ~  $(p \land q)$  is

- a)  $(p \land q)$
- b)  $\sim (p \lor q)$
- c)~p ~~ q

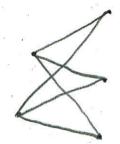
Q. 5 The graph  $N_4$  is

- a) Nullity graph on 4 vertices
- b) Null graph on 4 vertices
- c) Null graph on 3 vertices





Q.7 Draw K<sub>2,3</sub>.



Q.8 Solve the system of linear equation.

\*

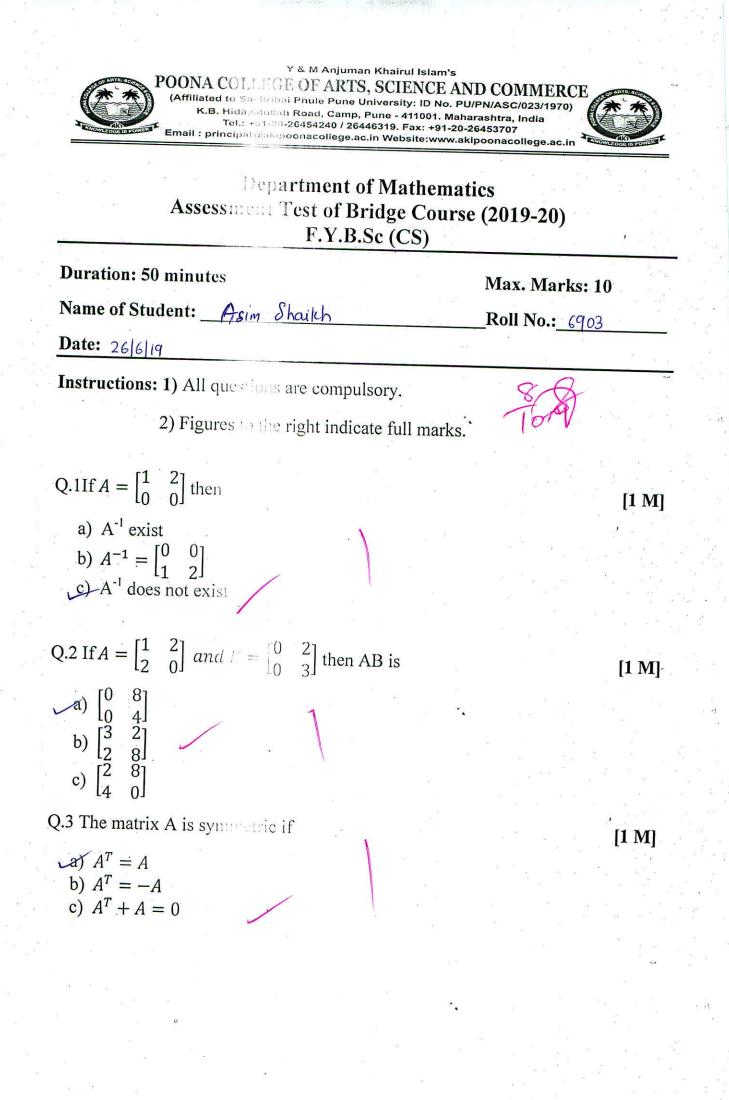
x + y = 1, 2x - y = 2

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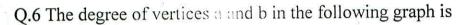
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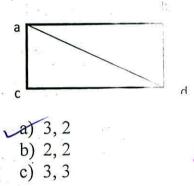
Q.4 ~( $p \land q$ )is

- a)  $(p \land q)$
- b)  $\sim (p \lor q)$ c)  $\sim p \lor \sim q$

Q. 5 The graph  $N_4$  is

- a) Nullity graph on 4 vertices
- b) Null graph on 4 vertices
- c) Null graph on 3 vertices





Q.7 Draw K<sub>2,3</sub>.

Q.8 Solve the system of linear equation.

x + y = 1, 2x - y = 2 x + y = 1 2x + y = 1 2x + y = 23x + 2y = 3

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	K.B. Hidayatull Tel: +91-2 Email : principal@ak	Y & M Anjuman Khairul GE OF ARTS, SCIEN Dai Phule Pune University: ah Road, Camp, Pune - 411 0-26454240 / 26446319. Fai poonacollege.ac.in Websit artment of Mat Test of Bridge ( F.Y.B.Sc (CS	NCE AND ID NO. PU/PN 1001. Maharas k: +91-20-264 te:www.akipo hematic Course (	MASC/023/1970) shtra, India 53707 onacollege.ac.in	
Duration: 50 Name of Stuc Date: 26/6 //	dent: <u>Singh</u> L	aurav. G.		Max. Marks: 1( Roll No.: <u>483</u>	2
Instructions:	<ol> <li>All questions</li> <li>Figures to the</li> </ol>	are compulsory. e right indicate full	marks.	(E) A7	
Q.1If $A = \begin{bmatrix} 1 \\ 0 \end{bmatrix}$ a) $A^{-1}$ exists b) $A^{-1} = \begin{bmatrix} \\ c \end{bmatrix} A^{-1}$ does	t 0 0] 1 2]				'[1 M]
Q.2 If $A = \begin{bmatrix} 1 \\ 2 \end{bmatrix}$ (a) $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$ (b) $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$ (c) $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$	$\begin{bmatrix} 2\\0 \end{bmatrix}$ and $D = \begin{bmatrix} 0\\0 \end{bmatrix}$	$\begin{pmatrix} 2\\ 3 \end{pmatrix}$ then AB is			[1 M]
Q.3 The matrix (a) $A^T = A$ (b) $A^T = -A$ (c) $A^T + A =$		if			[1 M]

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[1 M] Q.4 ~  $(p \land q)$  is a)  $(p \land q)$ b)  $\sim (p \lor q)$ c)  $\sim p \vee \sim q$ '[1 M] Q. 5 The graph  $N_4$  is a) Nullity graph on 4 vertices **b)** Null graph on 4 vertices c) Null graph on 3 vertices [1 M] Q.6 The degree of vertices a and b in the following graph is а С a)-3,2 b) 2, 2 c) 3, 3 [2 M] Q.7 Draw K<sub>2,3</sub>.

Q.8 Solve the system of linear equation.

$$x + y = 1, 2x - y = 2$$
  

$$x + y = 1, 2x - y = 2$$
  

$$-\frac{2}{4}, -\frac{2}{3}, -\frac{2$$

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# AKI's Poona College of Arts, Science & Commerce, Camp, Pune-01 Department Of Mathematics NOTICE

### Date: 30/06/2018

All the students of F.Y.B.Sc, F.Y. B.Sc. (C.S) & F.Y.B.A (Maths) are informed that, the Department of Mathematics is going to conduct Bridge Course. The course will start from 2<sup>nd</sup> July 2018 to 6<sup>th</sup> July 2018 as per following schedule. Attendance is compulsory for all concern students.

Time Table: F.Y.B.Sc

### Hall No. : 11

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	02/07/2018	1:20 to 2:10	Maths P-I	Dr Amjad Shaikh
		4 A 4	3.00 to 3.50		
2.	Tuesday	03/07/2018	1:20 to 2:10	Maths P-I	Dr Amjad Shaikh
	×	*	3.00 to 3.50		
3.	Wednesday	04/07/2018	1:20 to 2:10	Maths P-II	Mr Akhlaque Ahmed
÷.,			3.00 to 3.50	· · ·	
4.	Thursday	05/07/2018	1.20 to 2.10	Maths P-II	Mr Akhlaque Ahmed

Time Table: F.Y.B.A

#### Hall No.: 35

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	02/07/2018	10.50 to 11.40	Mathematics (FMG-I)	Mrs Atiya Khan
2.	Tuesday	03/07/2018	10.50 to 11.40	Mathematics (FMG-I)	Mrs Atiya Khan
3.	Wednesday	04/07/2018	10.50 to 11.40	Mathematics	Mrs Atiya Khan
3 •	1		т. Т	(FMG-I)	

# Time Table: F.Y.B.Sc (CS) Div:A

### Hall No. : 101

Sr. No.	Day	Date	Time	Subject	Name of Faculty
1.	Monday	02/07/2018	10.00 to 10.50	Maths P-I	Mrs. Shaheen Khan
2.	Tuesday	03/07/2018	9.10 to 10.00	Maths P-II	Mrs. Munzarin Sajjan
3.	Wednesday	04/07/2018	9.10 to 10.00	Maths P-I	Mrs. Shaheen Khan
- -			10.00 to 10.50	Maths P-II	Mrs. Munzarin Sajjan

# Time Table: F.Y.B.Sc (CS) Div:B

Hall No. : 102

Sr. No.	Day	Date	Time	Subject	Name of Faculty'
1.	Wednesday	04/07/2018	9.10 to 10.00	Maths P-II	Mrs. Munzarin Sajjan
			10.00 to 10.50	Maths P-I	Mrs. Shaheen Khan
2.	Friday	06/07/2018	9.10 to 10.00	Maths P-II	Mrs. Munzarin Sajjan
			10.00 to 10.50	Maths P-I	Mrs. Shaheen Khan

50

# Head,

Department of Mathematics **Head Department of Mathematics** Anjuman Khalrul Islam's Poona College of Arts, Science and Commerce, Camp, Pune - 411901

### Y&M AKI's

# Poona College of Arts, Science & Commerce, Camp, Pune-01 **Department Of Mathematics**

Remedial/Bridge Course (2018 - 2019) Tathematics - I & II AlgebrassGeom. + Salculus (7110) & D.E. (71120) MFIUI, MT-102

Class: F.Y.B.Sc.	Paper :	17
Name of the Teacher: Dr. Amjad Shaikh Date: 02/07/2018 to 05/7/2018		1
Date: 02/07/ 2018 to 05/7/ 2018	med	

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AMJM Moad Department of Mathematics Anjuman Khairui Islam's Poona College of Arts, Science and Commerce, Carap, Pune - 411001

Teacher In-charge: Athy Ahmed. Arjod Sein NO. of Beneficianies: 42

### Y&M AKI'S

# POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE, PUNE DEPARTMENT OF MATHEMATICS Remedial/Bridge Course

Academic year 2018-19

Class: F.Y.B.A

**Paper : Industrial Mathematics** 

Date: 02/07/2018 to 04/07/2018.

Sr.No.	Name of Student	Roll No.	02/07	03/07	04/07
1	Orazov Astangeloli	137	p.	Ρ.	
2	Maya Biojokova	138		P	P
3	Jumakulyyeva Mahym	139	,	. •	P
4	Saquib Habib Washerman	168	P	P	P .

No. of Beneficieries: 04

Head Repartment of Mathematics Advision Khairul Islam's Peroma College of Arts, Science and Commerce, Camp, Pune - 411001

### Y &M AKI's

Poona College of Arts, Science & Commerce, Camp, Pune-01

**Department Of Mathematics** 

Bridge/ Remedial Course (2018-19)

Class: FYBSc (CS) DivA Paper: Discrete Mathematics Name of the Teacher: Sajjan Munzaning Shaith Shakes

Da	te:2/7	118 to 7/7/18	MI	MI	MI	MI	MI	MI
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Sr.	Roll	Name	2/2	217	11/7	1.17	112	-1-
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31	6111	Shaikh Aabya	Aahya	-Aabiyo	Aahya	Aahya	Aabya	Aabya
32	6105	Sayyed Soleha	Calebe	Colete	Josephan	Colelel	Colebe	Colehal
33	6133	Suncike Ariumanal	Aspenant	Dimond	Asiman	Appinas	Antonavo	Ariumoor
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47	6115	Sadile Shaile.	Sadtle	-Sodit	Sading	Sadul		Sadil
48	6123	Shouikh Azzan	-	Asjon	Arjon	Allon	Azon	Asjon
49	6121	Zaniwala Abdul Rahman		Parino	Pontante	Parico	Pasie	Paniusk
50	6147	Shaikh Aosham	AStais	A Sail	Ashi	Astal	A Stark	Aslail
51	6154	Suldan Khan.				-	Schon	P
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No. of Beneficiaries : 49

Teacher In-charge: 1) Sajjan Munzaris 20 2) Shaheen Shaith = Hood Department of Mathema

Anjumen Khairul Islam's **POONE College** of Arta, Selence and Commerce, Camp, Pure - 411001

### Y &M AKI's

## Poona College of Arts, Science & Commerce, Camp, Pune-01

**Department Of Mathematics** 

Bridge/ Remedial Course (2018-19)

Class: FYBSL ((S) Div B.

Paper: Discrete Mathematics + Agebra & Calculus P-I & II

Name of the Teacher : Sajja Menzarin Scharter Shaker Date: 24/7/18 to 7/7/18

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NO. of Beneficiaries: 43

2) Shaheen Shaikh

Teacher In-Charge : 1) Sajjan Munzanin

Head Department of Mathematic

Anjumen Khairul Islam's mmerce,

Sr.	Roll	Name	1	10 1	11	1	21-	71
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36	6226	Ansari Arshad	Alth	Adde	Delle	An	Alesty	Aleiku
37	14	Deshmulch Tausif	2 4			5	5	
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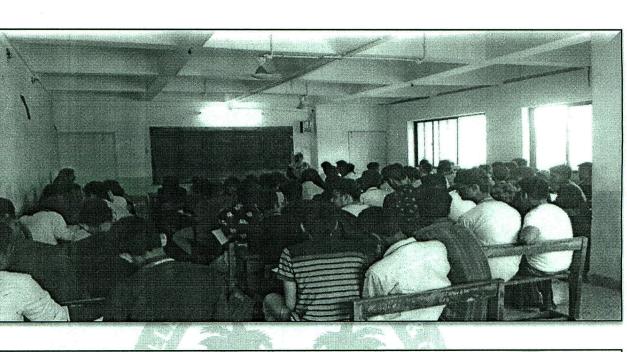
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POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Y & M Anjuman Khairul Islam's





Mrs. Munzarin Sajjan & Mrs. Shaheen Khan delivering a lecture during the Bridge Course 2018-19 (07/07/2018)

K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in



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Y & M Anjuman Khairul Islam's



### **Department of Mathematics**

Bridge Course (2018-19)

## F. Y. B. Sc.

# <u>Syllabus</u>

### Unit 1: Sets and Relations

1.1 Operations on sets

1.2 Relation

### **Unit 2: Two Dimensional Geometry**

2.1 Translation of axes

2.2 Rotation of axes

### **Unit 3: Real Numbers**

3.1 Algebraic properties

### Unit 4: Differentiation

4.1 Definition and examples of derivative

2 Lectures

2 Lectures

**1** Lecture

2 Lectures

At

Head Department of Mathematics Anjuman Khairul Islam's Poona College of Arts, Science and Commerce, Camp, Pune - 411001



Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Name of Student:	Mujawar S	Simran	Dastagir	_Roll No.:	1605
Name of Student: Date: 05/07/201	8	2		(10/1)	)h

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

O.1: If 
$$A = \{1, 2\}$$
 and  $B = \{2, 3\}$  then  $A \times B =$ 

a) {2, 6} b) {2, 3, 4, 6} ✓C) {(1, 2), (1, 3), (2, 2), (2, 3)}

Q.2: If  $R = \{(2, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

a) {(1/2, 1/3), (1, 1/2)} Ub) {(3, 2), (2, 1)} c) {(1, 2), (2, 3)}

Q.3: Which of the following sets defines a relation on the set  $A = \{1, 2, 3\}$ ? [1 M]

a) {(1/2, 1/3), (1, 1/2)} (3, 2), (2, 1)} c) {1, 2}

Q.4: If origin is shifted to the point (1, - 1) then the new co-ordinates of the point (2, 3) is [1 M]

(1, 4) b) (-1, -4)c) (3, 2) [1 M]

Q.5: If the axes are rotated through  $180^{\circ}$  then equations of rotation are: [1 M]

(x = -x', y = -y')b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c < 0 then [1 M] a) ac < bc Lb) ac > bc c) ac = bcQ.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M] a)  $2x + \sin x$ b)  $2x - \cos x$  $vet 2x + \cos x$ Q.8: If  $y = \sin^2 x$  then dy/dx =La) Sin 2x b) Cos 2x c) Sin x

Q.9: If 0 < a < b and 0 < c < d then prove that ac < bd.

ackb ackbc---- (C70) ckd bckbd---- (b70) =) ackbd. [2 M]

\*\*\*\*\*\*



Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Name of Student:	kh Faiza Md. Arif	Roll No.: 4606	
Date: 5-7-2018		(10/10)CL	~

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1: If  $A = \{1, 2\}$  and  $B = \{2, 3\}$  then  $A \times B =$ 

a) {2, 6} b) {2, 3, 4, 6} c) {(1, 2), (1, 3), (2, 2), (2, 3)}

Q.2: If  $R = \{(2, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

a)  $\{(1/2, 1/3), (1, 1/2)\}$ b)  $\{(3, 2), (2, 1)\}$ c)  $\{(1, 2), (2, 3)\}$ 

Q.3: Which of the following sets defines a relation on the set  $A = \{1, 2, 3\}$ ? [1 M]

Q.4: If origin is shifted to the point (1, -1) then the new co-ordinates of the point

(2, 3) is [1 M] (1, 4) (1, -4) (1, -4) (2, 3) (1, 4)(1, -4) (2, 3) (1, 4)(3, 2)

[1 M]

Q.5: If the axes are rotated through  $180^{\circ}$  then equations of rotation are: [1 M]

x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c < 0 then [1 M] a) ac < bc tb) ac > bc c) ac = bcQ.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M] a)  $2x + \sin x$ b)  $2x - \cos x$  $(x) 2x + \cos x$ Q.8: If  $y = \sin^2 x$  then dy/dx =[1] ta) Sin 2x b) Cos 2x c) Sin x Q.9: If  $0 \le a \le b$  and  $0 \le c \le d$  then prove that  $ac \le bd$ . [2 M] acb

a < b Multiply by c a < < b < c < d Multiply by b be < b d =) a < < b d

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Y & M Anjuman Khairul Islam's

## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

OS

Roll No.: 4607

Name of Student: Qureshi Sabiha

Date: 5/7/2018

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1: If  $A = \{1, 2\}$  and  $B = \{2, 3\}$  then  $A \times B =$ 

a) {2, 6} b) {2, 3, 4, 6} ce) {(1, 2), (1, 3), (2, 2), (2, 3)}

Q.2: If  $R = \{(2, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

a) {(1/2, 1/3), (1, 1/2)} b) {(3, 2), (2, 1)} c) {(1, 2), (2, 3)}

Q.3: Which of the following sets defines a relation on the set  $A = \{1, 2, 3\}$ ? [1 M]

a) 
$$\{(1/2, 1/3), (1, 1/2)\}$$
  
b)  $\{(3, 2), (2, 1)\}$   
c)  $\{1, 2\}$ 

Q.4: If origin is shifted to the point (1, -1) then the new co-ordinates of the point

(2, 3) is [1 M]

b) (-1, -4)c) (3, 2) [1 M]

Q.5: If the axes are rotated through  $180^{\circ}$  then equations of rotation are: [1 M]

a) x = - x', y = - y'
b) x = - x', y = y'
∞) x = x', y = - y' Q.6: If a < b and c < 0 then [1 M] (a) ac < bc b) ac > bc
c) ac = bc Q.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M] a)  $2x + \sin x$ b)  $2x - \cos x$  $\sqrt{2x} + \cos x$ Q.8: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x ub) Cos 2x c) Sin x Q.9: If  $0 \le a \le b$  and  $0 \le c \le d$  then prove that  $ac \le bd$ . [2 M]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*



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Y & M Anjuman Khairul Islam's

## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc.

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1: If 
$$A = \{1, 2\}$$
 and  $B = \{2, 3\}$  then  $A \times B =$ 

a) {2, 6} b) {2, 3, 4, 6} c) {(1, 2), (1, 3), (2, 2), (2, 3)}

Q.2: If  $R = \{(2, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

[1 M]

a) {(1/2, 1/3), (1, 1/2)} b) {(3, 2), (2, 1)} c) {(1, 2), (2, 3)}

Q.3: Which of the following sets defines a relation on the set  $A = \{1, 2, 3\}$ ? [1 M]

a) {(1/2, 1/3), (1, 1/2)} b) {(3, 2), (2, 1)} c) {1, 2}

Q.4: If origin is shifted to the point (1, -1) then the new co-ordinates of the point

(2, 3) is [1 M] a) (1, 4)b) (-1, -4)c) (3, 2) Q.5: If the axes are rotated through  $180^{\circ}$  then equations of rotation are: [1 M]

a) x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c < 0 then [1 M] a) ac < bcb) ac > bc c) ac = bcQ.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M]a)  $2x + \sin x$ b)  $2x - \cos x$ c)  $2x + \cos x$ Q.8: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x b) Cos 2x c) Sin x Q.9: If 0 < a < b and 0 < c < d then prove that ac < bd. [2 M] a < b, c < oa < b c

\*\*\*\*\*\*\*\*



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## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc.

Duration: 40 minutes	Max. Marks: 10
Name of Student: Harshal Raipure	Roll No.: 4678
Date: 05-7-2018	(06/18) 1
Lesteretioner 1) All questions are compulsory	

**Instructions: 1)** All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1: If 
$$A = \{1, 2\}$$
 and  $B = \{2, 3\}$  then  $A \times B =$ 

a) {2, 6} b) {2, 3, 4, 6} c) {(1, 2), (1, 3), (2, 2), (2, 3)}

Q.2: If  $R = \{(2, 3), (1, 2)\}$  is a relation on  $A = \{1, 2, 3\}$  then inverse of R is [1 M]

[1 M]

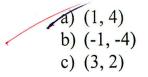
a)  $\{(1/2, 1/3), (1, 1/2)\}$ b)  $\{(3, 2), (2, 1)\}$ c)  $\{(1, 2), (2, 3)\}$ 

Q.3: Which of the following sets defines a relation on the set  $A = \{1, 2, 3\}$ ? [1 M]

a) 
$$\{(1/2, 1/3), (1, 1/2)\}$$
  
b)  $\{(3, 2), (2, 1)\}$   
c)  $\{1, 2\}$ 

Q.4: If origin is shifted to the point (1, -1) then the new co-ordinates of the point

(2, 3) is [1 M]



Q.5: If the axes are rotated through  $180^{\circ}$  then equations of rotation are: [1 M]

x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c < 0 then [1 M] a) ac < bc b) ac > bcc) ac = bcQ.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M]  $a + 2x + \sin x$ b)  $2x - \cos x$ c)  $2x + \cos x$ Q.8: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x b) Cos 2x c) Sin x Q.9: If  $0 \le a \le b$  and  $0 \le c \le d$  then prove that  $ac \le bd$ . [2 M]

\*\*\*\*\*\*



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Y & M Anjuman Khairul Islam's



## Department of Mathematics Bridge Course (2018-19) F. Y. B. Sc. (CS)

# **Syllabus**

### **Unit 1: Discrete Mathematics**

1.1Logic and its properties

1.2Permutation and combination

### Unit 2: Graph

2.1 Definition , properties of graph2.2 Types of graph

### Unit 3: Algebra

3.1 Sets and relation

3.2 GCD, LCM and prime numbers

### **Unit 4: Calculus**

4.1 Continuity

4.2 Operations on matrices

**2** Lectures

**2** Lectures

2 Lectures

**2** Lectures

Head Department of Mathematics Anjuman Khairul Islam's Poona College of Arts, Science and Commerce, Camp, Pune - 411001



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## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc. (CS)

Duration: 50 minutes Name of Student: <u>Shaikh Form Based</u>	Max. Marks: 10 Roll No.:6 12, 4
Date: 7-7-2018	
<b>Instructions: 1)</b> All questions are compulsory. 2) Figures to the right indicate full marks.	10 20
Q. $1 \sim (p \lor q) \equiv$ a) $(\sim p \land q)$ $\checkmark b) (\sim p \land \sim q)$ c) $\sim p \lor q$	[1M]
Q.2 How many ways are there to arrange letters of the w	vord "GOOD"? [1M]
a) 4! b) 3! Vc) 12	;
Q.3 Total number of different photographs of 4 persons	on 5 chairs is [1M]
(a) ${}^{5}P_{5}$ (b) ${}^{5}P_{4}$ (c) ${}^{4}C_{4}$	
Q.4 The graph without loops and parallel edges is called	[ <b>1M</b> ]
<ul> <li>(a) Simple graph</li> <li>(b) Compound graph</li> <li>(c) Null graph</li> </ul>	

Q.5 The degree of isolated vertex is [1M] La) 0 b) 1 c) 2 Q.6 Let A =  $\{1, 2, 3\}$  and B =  $\{2, 4, 5\}$  then  $A \cup B$  is [1M] a)  $\{1, 2, 3, 2, 4, 5\}$ (-b) {1, 2, 3, 4, 5} c)  $\{1, 2, 2, 3, 4, 5\}$ Q.7 The relation  $R = \{(1, 1), (2, 2), (3, 3)\}$  on  $A = \{1, 2, 3\}$  is [1M] (3,1)(1,2) va) Reflexive b) Symmetric: c) Transitive Q.8 Let f(x) = x + k, for 1<x<2 [1M] = 4, for x = 2 If f(x) is continuous at x = 2 then a) k = 1b) k = 2 $\sqrt{e}$  k = 4 [1M] Q.9 The GCD (29, 500) is a) 1 b) 29 VC) 5 Q.10 Determinant of  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is [1M] **√**a) 2 b) -2 c) 4 \*\*\*\*\*

Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in **Department of Mathematics** Assessment Test of Bridge Course (2018-19) F. Y. B. Sc. (CS) **Duration: 50 minutes** Max. Marks: 10 Name of Student: Moin Momin Roll No.: 623 7/7/18 Date: 688 Instructions: 1) All questions are compulsory. 2) Figures to the right indicate full marks. Q. 1 ~  $(p \lor q) \equiv$ [1M]a)  $(\sim p \land q)$  $(p \land q)$ c)  $\sim p \vee q$ Q.2 How many ways are there to arrange letters of the word "GOOD"? [1M] a) 4! b) 3! Let 12 Q.3 Total number of different photographs of 4 persons on 5 chairs is [1M]a)  $^{\circ}P_{5}$ b)  ${}^{5}P_{4}$ 10) 4C1 Q.4 The graph without loops and parallel edges is called [1M] (a) Simple graph b) Compound graph c) Null graph

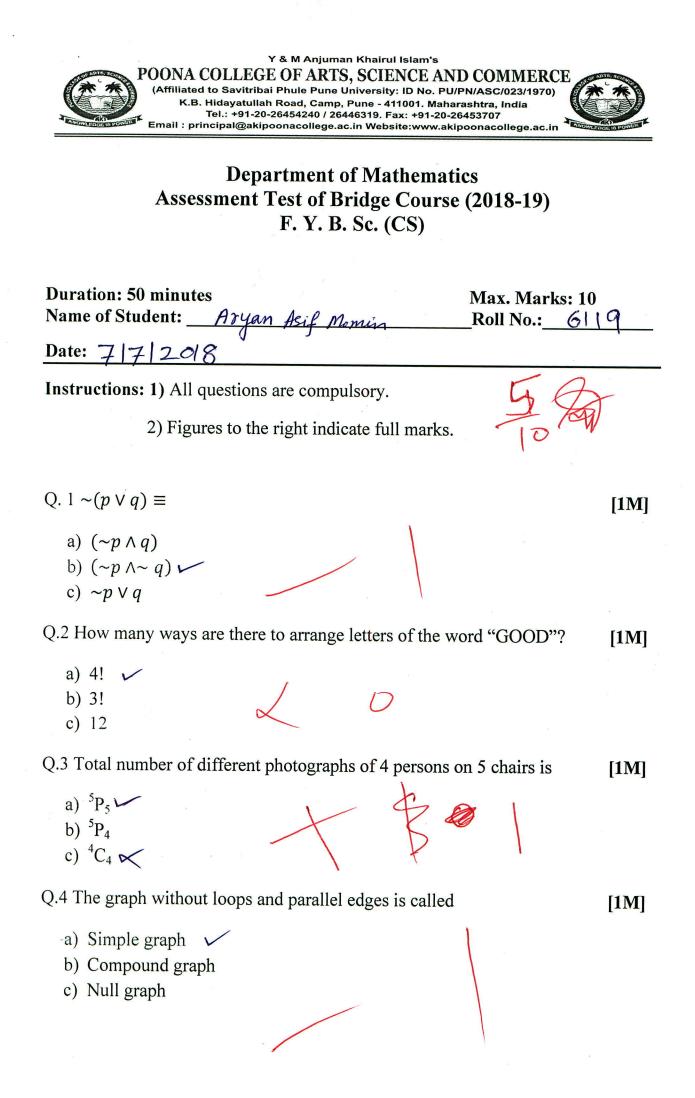
Q.5 The degree of isolated vertex is	[1M]
Va) 0 b) 1 c) 2	
Q.6 Let A = $\{1, 2, 3\}$ and B = $\{2, 4, 5\}$ then $A \cup B$ is	[1M]
a) $\{1, 2, 3, 2, 4, 5\}$ (b) $\{1, 2, 3, 4, 5\}$ c) $\{1, 2, 2, 3, 4, 5\}$	
Q.7 The relation R = {(1, 1), (2, 2), (3, 3)} on A = {1, 2, 3} is	[1M]
<ul><li>a) Reflexive</li><li>b) Symmetric</li><li>c) Transitive</li></ul>	an g
Q.8 Let $f(x) = x + k$ , for $1 \le x \le 2$	[1M]
= 4,  for x = 2	
If $f(x)$ is continuous at $x = 2$ then	
a) $k = 1$ (b) $k = 2$ c) $k = 4$	
Q.9 The GCD (29, 500) is	[1M]
Var) 1 b) 29 c) 5	
Q.10 Determinant of $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ is	[1M]
va) 2 b) -2 c) 4	
**************	



## Department of Mathematics Assessment Test of Bridge Course (2018-19) F. Y. B. Sc. (CS)

Duration: 50 minutesMax. Marks: 10Name of Student:Arsan, ArshadRoll No.:	
Date: 7/7/2018	,
Instructions: 1) All questions are compulsory.	
2) Figures to the right indicate full marks.	
Q. 1 $\sim (p \lor q) \equiv$	[1M]
a) $(\sim p \land q)$ Lb) $(\sim p \land \sim q)$ c) $\sim p \lor q$	Ŧ
Q.2 How many ways are there to arrange letters of the word "GOOD"?	[1M]
a) 4! b) 3! ve) 12	
Q.3 Total number of different photographs of 4 persons on 5 chairs is	[1M]
b) ${}^{5}P_{4}$ Let ${}^{4}C_{4}$	
Q.4 The graph without loops and parallel edges is called	[1M]
<ul><li>(a) Simple graph</li><li>(b) Compound graph</li><li>(c) Null graph</li></ul>	

Q.5 The degree of isolated vertex is	[1M]
La) 0 b) 1 c) 2	
Q.6 Let A = $\{1, 2, 3\}$ and B = $\{2, 4, 5\}$ then $A \cup B$ is	[1M]
a) $\{1, 2, 3, 2, 4, 5\}$ b) $\{1, 2, 3, 4, 5\}$ c) $\{1, 2, 2, 3, 4, 5\}$	
Q.7 The relation R = {(1, 1), (2, 2), (3, 3)} on A = {1, 2, 3} is	[1M]
<ul> <li>a) Reflexive</li> <li>b) Symmetric</li> <li>c) Transitive</li> </ul>	
Q.8 Let $f(x) = x + k$ , for $1 \le x \le 2$	[1M]
= 4,  for x = 2	
If $f(x)$ is continuous at $x = 2$ then	
a) $k = 1$ vb) $k = 2$ c) $k = 4$	
Q.9 The GCD (29, 500) is	[1M]
(a) 1 b) 29 c) 5	
Q.10 Determinant of $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ is	[1M]
a) 2 b) -2 c) 4	
**************	

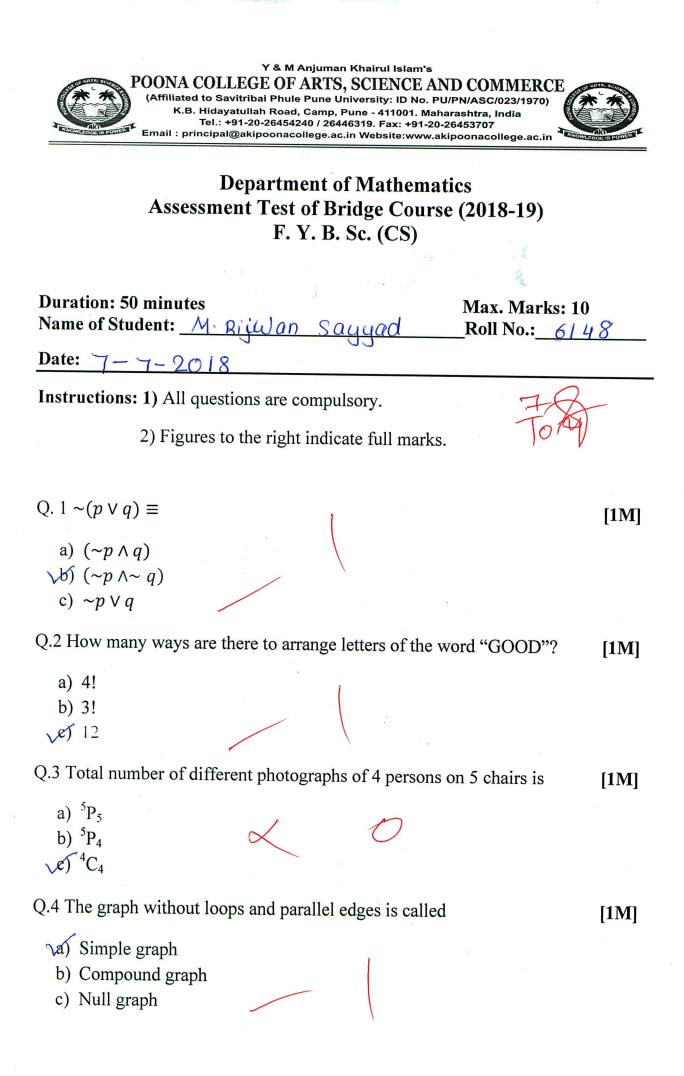


Q.5 The degree of isolated vertex is

a) 0 b) 1 c) 2 Q.6 Let A =  $\{1, 2, 3\}$  and B =  $\{2, 4, 5\}$  then A  $\cup$  B is [1M] a)  $\{1, 2, 3, 2, 4, 5\}$ b) {1, 2, 3, 4, 5} c)  $\{1, 2, 2, 3, 4, 5\}$ Q.7 The relation  $R = \{(1, 1), (2, 2), (3, 3)\}$  on  $A = \{1, 2, 3\}$  is [1M] (3,1),(1,2) a) Reflexive V b) Symmetric c) Transitive Q.8 Let f(x) = x + k, for 1<x<2 [1M] = 4, for x = 2If f(x) is continuous at x = 2 then a) k = 1b) k = 2 c) k = 4Q.9 The GCD (29, 500) is [1M] a) 1 b) 29 🗸 c) 5 Q.10 Determinant of  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is [1M] a) 2 b) -2 c) 4

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[1M]



Q.5 The degree of isolated vertex is	[1M]
b) 1 c) 2	
Q.6 Let A = $\{1, 2, 3\}$ and B = $\{2, 4, 5\}$ then A $\cup$ B is	[1M]
a) {1, 2, 3, 2, 4, 5} b) {1, 2, 3, 4, 5} c) {1, 2, 2, 3, 4, 5}	
Q.7 The relation $R = \{(1, 1), (2, 2), (3, 3)\}$ on $A = \{1, 2, 3\}$ is	[1M]
<ul> <li>Reflexive</li> <li>Symmetric </li> <li>Transitive</li> </ul>	
Q.8 Let $f(x) = x + k$ , for $1 < x < 2$	[1M]
= 4,  for x = 2	
If $f(x)$ is continuous at $x = 2$ then	
a) $k = 1$ (b) $k = 2$ c) $k = 4$	
Q.9 The GCD (29, 500) is	[1M]
a) 1 b) 29 c) 5	
Q.10 Determinant of $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ is	[1M]
(a) 2 b) -2 c) 4	
***********	

# AKI's Poona College of Arts, Science & Commerce, Pune FY BBA(CA) Bridge Course NOTICE

This is to inform all students of FY BBA(CA) that a Bridge course for the subject of Business Communication Skills is going to be conducted between 17<sup>th</sup>, 18<sup>th</sup> & 19<sup>th</sup> July 2017 between 10:00 am to 12:00 pm in M7 classroom.

The main objective of the course is to bridge the gap between school and collegiate education to meet the student's communicative requirements.

Prof. (Dr.) Artab Anwar Shaikh

Principal Principal AKI'S Poona College of Arts, Science & Commerce Camp, Pune.

### Y & M

# Y & M AKI's Poona College of Arts, Science & Commerce, Pune FY BBA(CA)

### **Bridge Course**

### **Business Communication Skills**

A bridge course for the subject of Business Communication Skills was conducted on 17<sup>th</sup>, 18<sup>th</sup> & 19<sup>th</sup> July 2017 between 10:00 am to 12:00 pm in M7 classroom for newly admitted students before the commencement of the first semester classes by the Department of Commerce, under the course of BCA.

The main objective of the course is to bridge the gap between school and collegiate education to meet the student's communicative requirements.

The syllabus for the course was framed in such a way that they get basic knowledge on the subject that they would be learning through graduation. This six hour student enhancement and development programme was devised for overall grooming and enhancement of the students' fraternity with a special punctuation for students from rural, semi-rural and non-english community.

### **Objectives**

- To bridge the gap between school and collegiate education to meet the students communicative requirements.
- To prepare the students for a classroom atmosphere in which English is the medium of instruction.

#### Methodology

A Curriculum was framed separately in each of the subjects, for Bridge Course in English. During the first week after the commencement of the classes, the bridge course curriculum was delivered to the students in various disciplines. A post bridge course test was conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.

### **Syllabus for Bridge Course**

Listening and speaking skills mainly concentrating on conversation

Interview skills

Developing listening, reading, writing and speaking skills

Public speaking, group discussion, debate, declamation contest and extempore speech

Resume preparation

How to use the dictionary?

How to read the newspaper?

### Outcome

After the completion of the Bridge Course in Business Communication, there was a significant progress in the Listening, Speaking, Reading and Writing skills of the students. Students who had stage fear were able to overcome it and speak fluently in English. They could easily take part in Group Discussions and exhibit their views in English. Students who had Marathi, Hindi & Urdu as the medium of instruction at the school level gained confidence to speak and write in English.

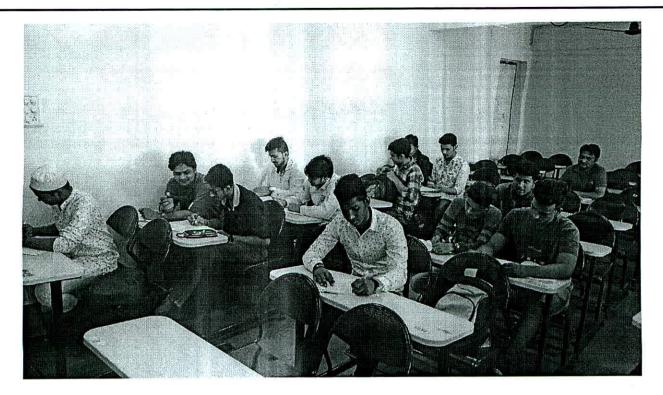


Figure 1 Students engrossed in writing the activity



Figure 2 Students involved in doing the activity

# Y & M

# AKI's Poona College of Arts, Science & Commerce, Pune

# FY BBA(CA) 2017-18

# **Bridge** Course

# **Business Communication Skills**

Sr. No.	Roll No.	Name of the Student	Sign
1	4104	Umar Faroog Sharkh	Clan .
2	4106	Sana Bano Islam shaikh	Spatters
3)		SHAHD ASHFAK FAKIH	Shahid
4)	4110	Saueralih & Pathe	lpoithe.
5)	4107	Asiya Kodir Khan	Beinto
6)	4128	Tanweer Junit Shalkh	Laureres
7>	4131	Heena Scolim Ansoni	Alener
8)	4134	MOHAMMAD ARTE KALIM SHAIKH	Balmundh
91	4137	Abdullahman mistageen Shaikh	Aber
10)	4140	AQSA PARVEZ DALAL	-Aastar
11)	4144	FailAr Rubbi Pathan	Pathos
12)	4147	Shanbat Harun Shaikh	Charlett
13)	4149	SHAHID HARVN SHAIKH	Shahrel
14)	4151	EBAD . F . SHAIKH	Shaika
15)	4154	Rahul Kapurchand Agarwal	Bototh
16)	4156	Riza Samper Shaikh	Kna
17		Ariket K Raghemarshi	Roul.
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Faculty In-Charge: Mrs. JahanAara Pathan

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# Y & M

# AKI's Poona College of Arts, Science & Commerce, Pune

# FY BBA(CA)

# **Bridge Course**

## **Business Communication Skills**

Sr. No.	Roll No.	Name of the Student	Sign
Z4)	4179	HJOYSON	ABINAN
25)	4181		Vulans
26	6188	Viliami Sione Kanfugi Amin Salim Inandae	martines.
27)	4190	Numan Zahur Boywan.	Phinophoghant
28	4191	Faizan Mulla	MEUR
			9
			-
			2
			•

Faculty In-Charge: Mrs. JahanAara Pathan

# AKI's Poona College of Arts, Science & Commerce, Pune Business Communication Skills Bridge Course Test Paper July 2017

#### Instructions:

-

**Total Marks: 40** 

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
  - d) is Receiver understanding

2) The formal greeting with which a business letter begins is called \_\_\_\_\_

- a) reference
- b) subject
- c) salutation
- d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
  - d) All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
  - b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
  - d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
  - a) information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

- a) publicity & education
- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
  - c) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
  - d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - c) Friend
  - d) Sports Team
- 12) Write True or False of the following:
  - a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
  - d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- b) Listening
- c) case study method
- d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_\_
  - a) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
  - a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
  - b) reports through letters
  - c) oral communication
  - d) written communication

### means the right use of putting in points or stops in writing.

- a) Exclamation
- b) semi colon
- c) comma

18)

d) full stop

- a) Persuasion
- b) Suggestion
- c) Advice
- d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
- a) Rereading
  - b) Ambiguity
  - c) Both
  - d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune

**Business Communication Skills Bridge Course Test Paper** 

### **July 2017**

Asiya khar - 4107

#### Instructions:

**Total Marks: 40** 

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
    - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called \_\_\_\_\_
  - a) reference
  - b) subject
- (e) salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
- All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
- b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- √d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
- a) information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies

8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_

- a) Noise
- b) Audience
- (c) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
- d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - A sizeable hearing loss physiological problem
    - d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - C) Friend
    - d) Sports Team
- 12) Write True or False of the following:
- a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - skill development
  - d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- b) Listening
  - c) case study method
  - d) all of the above

15) The information the receiver gets is called \_\_\_\_\_\_

- a) Message
- b) Output
- c) Input
- d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (A) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- (b) reports through letters
  - c) oral communication
  - d) written communication
    - means the right use of putting in points or stops in writing.
  - a) Exclamation
  - b) semi colon
  - c) comma
- d' full stop

18)

- a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
- a) Rereading
  - b) Ambiguity
  - c) Both
- d) Misunderstanding

### AKI's Poona College of Arts, Science & Commerce, Pune

## **Business Communication Skills Bridge Course Test Paper**

**July 2017** 

Tarweer Shaikh

4128 Total Marks: 40

- Instructions:
  - 1. Attempt any 20 questions
  - 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
- ( ) Receiver response
  - d) is Receiver understanding

The formal greeting with which a business letter begins is called \_\_\_\_\_\_

- a) reference
- b) subject
- () salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
  - d) All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
  - b) Firm
    - c) Loose
    - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
  - d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
- (a) information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

( a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies

8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_

- a) Noise
- b) Audience
- Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
- d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
- ) Friend
- d) Sports Team
- 12) Write True or False of the following:
- (a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
  - (d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- b) Listening
  - c) case study method
  - d) all of the above

15) The information the receiver gets is called \_\_\_\_\_\_

- A Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
  - (a) Backbone
  - b) life blood
    - c) nervous system
    - d) both (1) & (2)
- 17) Press reports refers to
  - a) reports in newspapers
- () reports through letters
  - c) oral communication
  - d) written communication

#### means the right use of putting in points or stops in writing.

a) Exclamation

18)

- b) semi colon
- c) comma
- ( full stop

- a) Persuasion
- b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
    - b) Ambiguity
    - c) Both
  - d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune Business Communication Skills Bridge Course Test Paper

**July 2017** 

4140 AQSA P. DALAL Total Marks: 40

#### Instructions:

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - Receiver response
  - d) is Receiver understanding

2) The formal greeting with which a business letter begins is called \_\_\_\_\_

- a) reference
- b) subject
- e) salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
- (All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
- b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - e) Pattern
  - d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
- ( ) information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
- ري) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - Friend

.

- d) Sports Team
- 12) Write True or False of the following:
  - (a) Communication models are multi-dimensional
    - b) The initial audience can accept or reject a sender's message
    - c) Seminars and Presentations are same
    - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
- (d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

a) Discussion

b) Listening

- c) case study method
- d) all of the above

15) The information the receiver gets is called \_\_\_\_\_\_

- a) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (A) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- vb) reports through letters
  - c) oral communication
  - d) written communication

### means the right use of putting in points or stops in writing.

- a) Exclamation
- b) semi colon
- c) comma
- √d) full stop

18)

- (a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
- a) Rereading
  - b) Ambiguity
  - c) Both
  - A) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune Business Communication Skills Bridge Course Test Paper

**July 2017** 

EBAD , F. SHAIKH

ROLL NO. 4151

**Total Marks: 40** 

#### Instructions:

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
  - ( is Receiver understanding

2) The formal greeting with which a business letter begins is called \_\_\_\_\_

- a) reference
- b) subject
- (c) salutation
- d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
  - All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
  - b) Firm
    - c) Loose
    - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- All of the above
- 6) The main objective of communication is \_\_\_\_\_
  - a) information and persuasion.
    - b) skill and personality development.
    - c) control and management
    - d) need

Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
  - e) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
- d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
  - All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - () Friend
    - d) Sports Team
- 12) Write True or False of the following:
  - (a) Communication models are multi-dimensional
    - b) The initial audience can accept or reject a sender's message
    - c) Seminars and Presentations are same
    - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
    - b) language development
    - c) skill development
    - d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- (b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_\_
  - A) Message
    - b) Output
    - c) Input
    - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
  - (a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
  - b) reports through letters
    - c) oral communication
    - d) written communication

## means the right use of putting in points or stops in writing.

- a) Exclamation
- b) semi colon
- c) comma

18)

d) full stop

19) An effort to influence the attitude and feeling of others is \_\_\_\_\_

- A) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation

20) Good punctuation will not involve \_\_\_\_\_

- a) Rereading
- b) Ambiguity
- c) Both
- d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune Business Communication Skills Bridge Course Test Paper

July 2017 4191 - Faizan

Total Marks: 40

Mulla

#### Instructions:

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - Receiver response
  - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called \_\_\_\_\_
  - a) reference
  - b) subject
  - c) salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
- d) All of the above
- 4) The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
  - b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
  - (a) information and persuasion.
    - b) skill and personality development.
    - c) control and management
    - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

#### ) a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
  - ) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
- Ud) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - A sizeable hearing loss physiological problem
    - d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - c) Friend
  - d) Sports Team
- 12) Write True or False of the following:
- (a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
- (d) personality development

14) A group discussion of a real life situation with in a training environment is

- a) Discussion
- b) Listening
  - c) case study method
  - d) all of the above

15) The information the receiver gets is called \_\_\_\_\_\_

- (a) Message
- b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (Va) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to
  - a) reports in newspapers
  - b) reports through letters
  - c) oral communication
- d) written communication18) \_\_\_\_\_ means the
  - \_\_\_\_\_ means the right use of putting in points or stops in writing.
  - a) Exclamation
  - b) semi colon
  - c) comma
- √d) full stop

- a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve
  - a) Rereading
    - b) Ambiguity
    - c) Both
    - d) Misunderstanding

# AKI's Poona College of Arts, Science & Commerce, Pune FY BBA(CA) Bridge Course NOTICE

Y & M

This is to inform all students of FY BBA(CA) that a Bridge course for the subject of Business Communication Skills is going to be conducted between 18<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> July 2016 between 10:00 am to 12:00 pm in M7 classroom.

The main objective of the course is to bridge the gap between school and collegiate education to meet the student's communicative requirements.

Prof. (Dr.) Aftab Anwar Shaikh HoD & Vice-Principal - Commerce



### Y & M

## AKI's Poona College of Arts, Science & Commerce, Pune FY BBA(CA)

### **Bridge Course**

### **Business Communication Skills**

A bridge course for the subject of Business Communication Skills was conducted on 18<sup>th</sup>, 19<sup>th</sup> & 20<sup>th</sup> July 2016 between 10:00 am to 12:00 pm in M7 classroom for newly admitted students before the commencement of the first semester classes by the Department of Commerce, under the course of BCA.

The main objective of the course is to bridge the gap between school and collegiate education to meet the student's communicative requirements.

The syllabus for the course was framed in such a way that they get basic knowledge on the subject that they would be learning through graduation. This six hour student enhancement and development programme was devised for overall grooming and enhancement of the students' fraternity with a special punctuation for students from rural, semi-rural and non-english community.

### Objectives

- To bridge the gap between school and collegiate education to meet the students communicative requirements.
- To prepare the students for a classroom atmosphere in which English is the medium of instruction.

### Methodology

A Curriculum was framed separately in each of the subjects, for Bridge Course in English. During the first week after the commencement of the classes, the bridge course curriculum was delivered to the students in various disciplines. A post bridge course test was conducted after the completion of bridge course syllabus to assess the ability of student's suggestions is given to students for improvisation.

### **Syllabus for Bridge Course**

Listening and speaking skills mainly concentrating on conversation

Interview skills

Developing listening, reading, writing and speaking skills

Public speaking, group discussion, debate, declamation contest and extempore speech

Resume preparation

How to use the dictionary?

How to read the newspaper?

### Outcome

After the completion of the Bridge Course in Business Communication, there was a significant progress in the Listening, Speaking, Reading and Writing skills of the students. Students who had stage fear were able to overcome it and speak fluently in English. They could easily take part in Group Discussions and exhibit their views in English. Students who had Marathi, Hindi & Urdu as the medium of instruction at the school level gained confidence to speak and write in English.

## Y & M

## AKI's Poona College of Arts, Science & Commerce, Pune

## FY BBA(CA) 2016-17

## **Bridge Course**

### **Business Communication Skills**

Sr. No.	Roll No.	Name of the Student	Sign
$ \rangle$	:5709	JAKIR AYWB SHAIKH	ISI-
27	5708		Arta
3)	5710	Azhar Azim shaikh	Der
A .	5713	Athor Iliyas Khan	Non
5)	5715		Should
6 >	5719	Zaid Khan	to.
7)	5724		A ANY T
8)	5725	TOUSIF ALTAF SHAIKH	town
9)	5728	Zubarr Garran Schan	Juper
10	5732	Unex Jared Sikilkag	Sumer.
11)	5735	UZMA ARIF MOMIN	and
. 12)	5738	Saniya Intiyaz Shailkeh	Onger.
13]	5744	Abid Arif Shaikh	Adif
14)	5748	Togniya Races Shaikh	Topingoo
15)	5751	ARBAJ RAIS BIRAJDAR	173
16)	5756	Nayab Anubur Shaikh	Amucu
17		shakil Abbas Ansori	Reto
18)	5759		Aman
19)	5764	ANAS ISHAQUE NADAF	das
20	5766	NURHUSEN AZIZ SHAIKH,	Nurhus
21	5712	Zeeshon Jalah Sayyed	zee
22)	5774		Sufit
23)	5777	Madin Abdul Shaikh	Madin

Faculty In-Charge: Mrs. JahanAara Pathan

## Y & M

## AKI's Poona College of Arts, Science & Commerce, Pune

## FY BBA(CA)

## **Bridge** Course

### **Business Communication Skills**

Sr. No.	Roll No.	Name of the Student	Sign
24)	5780	Misba zakir momin	Questos
Z5)	5781	Jabal Taker Schan	Custon -
	5786	Misba zakir momin Jabal Taher Schan Rifat Ahsan Sayyed	Raund
	*		
			~
	-		
			)

Faculty In-Charge: Mrs. JahanAara Pathan

## AKI's Poona College of Arts, Science & Commerce, Pune Business Communication Skills Bridge Course Test Paper July 2016

#### Instructions:

**Total Marks: 40** 

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
  - d) is Receiver understanding

The formal greeting with which a business letter begins is called \_\_\_\_\_

- a) reference
- b) subject
- c) salutation
- d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
  - d) All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
  - b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
  - d) All of the above
- 6) The main objective of communication is \_\_\_\_\_
  - a) information and persuasion.
    - b) skill and personality development.
    - c) control and management
    - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

- a) publicity & education
- b) policies & political.
- c) save & store
- d) Publicity & policies

8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_

- a) Noise
- b) Audience
- c) Feedback
- d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
  - d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - c) Friend
  - d) Sports Team
- 12) Write True or False of the following:
  - a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
  - d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- b) Listening
- c) case study method
- d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_\_
  - a) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
  - a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_
  - a) reports in newspapers
  - b) reports through letters
  - c) oral communication
  - d) written communication

### means the right use of putting in points or stops in writing.

- a) Exclamation
- b) semi colon
- c) comma

18)

d) full stop

- a) Persuasion
- b) Suggestion
- c) Advice
- d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
    - b) Ambiguity
    - c) Both
    - d) Misunderstanding

## **AKI's Poona College of Arts, Science & Commerce, Pune**

### **Business Communication Skills Bridge Course Test Paper**

July 2016 3728 - Zubair Q. Ghan

#### **Instructions:**

**Total Marks: 40** 

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
- C) Receiver response
  - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called
  - a) reference
  - b) subject
  - e) salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
- d) All of the above
- 4) The handshake that conveys confidence is
  - a) Limp
- b) Firm
  - c) Loose
  - d) Double
- of business letter is called layout. 5) The
  - a) Body
  - b) Content
  - e) Pattern
  - d) All of the above
- 6) The main objective of communication is
  - a) information and persuasion.
    - b) skill and personality development.
    - c) control and management
    - d) need

7) Audio-Visual communication is most suitable for mass and mass

a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is
  - a) Noise
  - b) Audience
- ) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- (d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - e) Friend
  - d) Sports Team
- 12) Write True or False of the following:
- (a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
- (d) personality development

14) A group discussion of a real life situation with in a training environment is

- a) Discussion
- b) Listening
- c) case study method
- d) all of the above
- The information the receiver gets is called \_\_\_\_\_\_
- ( a) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (a) Backbone
  - b) life blood
    - c) nervous system
    - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- (b) reports through letters
  - c) oral communication
  - d) written communication
    - means the right use of putting in points or stops in writing.
- a) Exclamation

18)

- b) semi colon
- c) comma
- √d) full stop

- (a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
  - b) Ambiguity
  - c) Both
  - d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune

### **Business Communication Skills Bridge Course Test Paper**

July 2016 5751 ARBAJ BIRAJDAR

#### Instructions:

**Total Marks: 40** 

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
  - d) is Receiver understanding

2) The formal greeting with which a business letter begins is called

- a) reference
- b) subject
- c) salutation
- d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
  - d) All of the above
- The handshake that conveys confidence is \_\_\_\_\_
  - a) Limp
- b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- All of the above
- 6) The main objective of communication is \_\_\_\_\_
- (a) information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

- (a) publicity & education
  - b) policies & political.
  - c) save & store
  - d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is
  - a) Noise
  - b) Audience
  - c) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - (d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - c) Friend
    - d) Sports Team
- 12) Write True or False of the following:
- (\_a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
- skill development
  - d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_\_

- a) Discussion
- Listening
  - c) case study method
    - d) all of the above

15) The information the receiver gets is called \_\_\_\_\_\_

- (A) Message
  - b) Output
  - c) Input
  - d) Source

16) Communication is the \_\_\_\_\_ of business.

- ( a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_
  - a) reports in newspapers
- b) reports through letters
  - c) oral communication
  - d) written communication

#### means the right use of putting in points or stops in writing.

a) Exclamation

18) \_

- b) semi colon
- c) comma
- d) full stop

- a) Persuasion
  - b) Suggestion
  - c) Advice
- d) Appreciation
- 20) Good punctuation will not involve
  - a) Rereading
  - b) Ambiguity
  - c) Both
  - d Misunderstanding

# AKI's Poona College of Arts, Science & Commerce, Pune

## **Business Communication Skills Bridge Course Test Paper**

July 2016 5735 UZMA ARIF MOMIN

**Instructions: Total Marks: 40** 1. Attempt any 20 questions 2. Each question carries 2 marks 1) The most important goal of business communication is a) Favourable relationship between sender and receiver b) Organisational goodwill c) Receiver response d) is Receiver understanding 2) The formal greeting with which a business letter begins is called \_\_\_\_\_ a) reference b) subject () salutation d) body copy 3) The following is (are) non-verbal communication a) Facial Expression b) Appearance c) Posture All of the above The handshake that conveys confidence is \_\_\_\_\_ a) Limp b) Firm c) Loose d) Double 5) The \_\_\_\_\_ of business letter is called layout. a) Body b) Content C) Pattern d) All of the above 6) The main objective of communication is \_\_\_\_\_ a) information and persuasion. b) skill and personality development. c) control and management d) need Audio-Visual communication is most suitable for mass and mass a) publicity & education . b) policies & political. c) save & store d) Publicity & policies 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_ a) Noise b) Audience Let Feedback d) Channel 9) Identify the correct sequence of the following: a) Source, Channel, Message, Receiver

- b) Source, Receiver, Channel, Message
- c) Source, Message, Receiver, Channel
- d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - c) Friend
  - d) Sports Team
- 12) Write True or False of the following:
- (a) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
  - d) personality development

14) A group discussion of a real life situation with in a training environment is

- a) Discussion
- (b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called
- (a) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- b) reports through letters
  - c) oral communication
  - d) written communication
    - \_\_\_\_\_ means the right use of putting in points or stops in writing.
  - a) Exclamation
  - b) semi colon
  - c) comma
- d) full stop

18)

- 19) An effort to influence the attitude and feeling of others is \_\_\_\_\_
- a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
  - b) Ambiguity
  - c) Both
  - d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune

### **Business Communication Skills Bridge Course Test Paper**

**July 2016** 

5786-Rifat Ahsan Sayyed

**Total Marks: 40** 

#### Instructions:

1

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - c) Receiver response
  - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called \_\_\_\_\_
  - a) reference
  - b) subject
  - ver salutation
    - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - e) Posture
    - d) All of the above
- The handshake that conveys confidence is \_\_\_\_\_
- a) Limp
- b) Firm
  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- All of the above
- 6) The main objective of communication is \_\_\_\_\_
- $\mathbf{1}$  information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

7) Audio-Visual communication is most suitable for mass \_\_\_\_\_ and mass

#### a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
  - C) Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c) A sizeable hearing loss physiological problem
- d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
- ) Friend

٩.

- d) Sports Team
- 12) Write True or False of the following:
- (va) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
- d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_\_
- (A) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (a) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- b) reports through letters
  - c) oral communication
  - d) written communication

### \_\_\_\_\_ means the right use of putting in points or stops in writing.

- a) Exclamation
- b) semi colon
- c) comma

18)

J full stop

- (a) Persuasion
  - b) Suggestion
  - c) Advice
  - d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
  - b) Ambiguity
  - c) Both
  - (d) Misunderstanding

## AKI's Poona College of Arts, Science & Commerce, Pune **Business Communication Skills Bridge Course Test Paper**

**Instructions:** 

- July 2016 Misba Zakin Momin 5780 Total Marks: 4(
- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
  - Receiver response
    - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called
  - a) reference
  - b) subject

salutation

- d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
  - c) Posture
- All of the above
- The handshake that conveys confidence is \_\_\_\_\_\_
  - a) Limp
- b) Firm
  - c) Loose
- d) Double
- 5) The of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- All of the above
- 6) The main objective of communication is \_\_\_\_\_
- information and persuasion.
  - b) skill and personality development.
  - c) control and management
  - d) need

 Audio-Visual communication is most suitable for mass \_\_\_\_\_\_ and mass

- a) publicity & education
  - b) policies & political.
  - c) save & store
  - d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is \_\_\_\_\_
  - a) Noise
  - b) Audience
  - (Feedback
  - d) Channel
- Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

- 10) Listening is badly affected by
  - a) Message overload excess of listened material
  - b) High speed of talking
  - c), A sizeable hearing loss physiological problem
- √d) All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - e) Friend
  - d) Sports Team
- 12) Write True or False of the following:
- (1) Communication models are multi-dimensional
  - b) The initial audience can accept or reject a sender's message
  - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
  - a) communication development
  - b) language development
  - c) skill development
- √d) personality development

14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_

- a) Discussion
- レ) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called
  - ) a) Message
    - b) Output
    - c) Input
    - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (A) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
  - a) reports in newspapers
- (b) reports through letters
  - c) oral communication
  - d) written communication

### \_\_\_\_\_ means the right use of putting in points or stops in writing.

a) Exclamation

18)

- b) semi colon
- c) comma
- d) full stop
- 19) An effort to influence the attitude and feeling of others is \_\_\_\_\_
- ) a) Persuasion
  - b) Suggestion
  - c) Advice
- d) Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
  - a) Rereading
  - b) Ambiguity
  - c) Both
  - d) Misunderstanding

# AKI's Poona College of Arts, Science & Commerce, Pune

## **Business Communication Skills Bridge Course Test Paper**

July 2016 5710-Azhar Azim Shaikh Total Marks: 40

#### **Instructions:**

- 1. Attempt any 20 questions
- 2. Each question carries 2 marks
- 1) The most important goal of business communication is
  - a) Favourable relationship between sender and receiver
  - b) Organisational goodwill
- Receiver response
  - d) is Receiver understanding
- 2) The formal greeting with which a business letter begins is called
  - a) reference
  - b) subject
- ( salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
- Posture
  - d) All of the above
- 4) The handshake that conveys confidence is
  - a) Limp
  - by Firm
  - c) Loose
  - d) Double
- 5) The of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
- $\sim$  d) All of the above
- The main objective of communication is \_\_\_\_\_\_
  - a) information and persuasion.
    - b) skill and personality development.
    - c) control and management
    - d) need

 Audio-Visual communication is most suitable for mass and mass

a) publicity & education

- b) policies & political.
- c) save & store
- d) Publicity & policies
- 8) In effective communication, the encoder becomes a decoder when there is
  - a) Noise
  - b) Audience
- VCT Feedback
  - d) Channel
- 9) Identify the correct sequence of the following:
  - a) Source, Channel, Message, Receiver
  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver

10) Listening is badly affected by

- a) Message overload excess of listened material
- b) High speed of talking
- c) A sizeable hearing loss physiological problem
- All of the above
- 11) Who cannot write a business letter to you?
  - a) Restaurant
  - b) Shopping mall
  - Friend (ص
  - d) Sports Team
- 12) Write True or False of the following:
  - (a) Communication models are multi-dimensional
    - b) The initial audience can accept or reject a sender's message
    - c) Seminars and Presentations are same
  - d) It is not necessary to have polite manners for a leader

13) Realizing the potential of the self is part of the

- a) communication development
- b) language development
- c) skill development
- (d) personality development

14) A group discussion of a real life situation with in a training environment is

- a) Discussion
- Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_\_
- A) Message
  - b) Output
  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
- (A) Backbone
  - b) life blood
  - c) nervous system
  - d) both (1) & (2)
- 17) Press reports refers to \_
  - a) reports in newspapers
- (b) reports through letters
  - c) oral communication
  - d) written communication

### means the right use of putting in points or stops in writing.

a) Exclamation

18)

- b) semi colon
- c) comma
- d full stop

- A Persuasion
  - b) Suggestion
  - c) Advice
- d) Appreciation
- 20) Good punctuation will not involve
  - a) Rereading
  - b) Ambiguity
  - c) Both
- Misunderstanding



## **Department of Mathematics**

Y & M Anjuman Khairul Islam's

OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970)

Bridge Course (2015-16)

F. Y. B. Sc.

## **Content**

### Unit 1: Sets and Relations

1.1 Sets and Relation

Unit 2: Two Dimensional Geometry

2.1 Translation and Rotation of axes

**Unit 3: Differentiation** 

3.1 Definition and examples of derivative

**Unit 4: Differential Equation** 

4.1 Definition and examples of differential equations

**1** Lecture

LEGE

**1** Lecture

**1** Lectures

**1** Lectures

Head Department of Mathematics Anjuman Khairul Islam's Poona College of Arts, Selence and Commerce, Camp, Pune - 411001



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Y & M Anjuman Khairul Islam's



### Department of Mathematics <u>Assessment Test</u>: Bridge Course (2015-16) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Roll No.: 4704

Name of Student: Imtiyaz Ahmed

Date: 2/7/2015

Instructions: All questions are compulsory carrying equal marks.

Q.1: If  $A = \{a, b\}$  and  $B = \{1, 2\}$  then  $A \times B =$ 

- a)  $\{(1, a), (2, b)\}$
- b) {(a,1), (b, 2)}
- (a, 1), (a, 2), (b, 1), (b, 2)

Q.2: Which of the following relations on the set  $A = \{1, 2, 3\}$  is reflexive?

a) {(1, 1), (2, 2)} (1, 1), (2, 2), (3, 3)} c) {(1, 1), (1, 2), (1, 3)}

Q.3: Which of the following relations on the set  $A = \{1, 2, 3\}$  is symmetric?

d)  $\{(1, 3), (1, 1)\}$   $\downarrow e$ )  $\{(3, 2), (2, 3)\}$ f)  $\{(1, 1), (1, 2), (2, 3)\}$ 

Q.4: If origin is shifted to the point (2, 1) then the new co-ordinates of the point

Q.5: If the axes are rotated through  $90^{\circ}$  then equations of rotation are:

(a) x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c > 0 then (a) ac < bc b) ac > bcc) ac = bcQ.7: If  $y = x \sin x$  then  $\frac{dy}{dx}$  is a)  $x + \cos x$ b) x cos x tc) x cos x + sin x Q.8: If  $y = \ln x$ , then value of y''(e) is: a) 1 b)  $\frac{1}{e}$  $(c) -\frac{1}{e^2}$ Q.9: If  $y = \sin^2 x$  then dy/dx =Sin 2x b) Cos 2x c) 2 Sin x Q.10: Solution of the differential equation  $\frac{dy}{dx} = \cos x$  is a)  $y = -\sin x + c$ b)  $y = \sin x + c$ c)  $y = \cos x + c$ \*\*\*\*\*\*



Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in



### Department of Mathematics <u>Assessment Test</u>: Bridge Course (2015-16) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Roll No.: 4702

Date: 2/7/2015

Instructions: All questions are compulsory carrying equal marks.

Q.1: If  $A = \{a, b\}$  and  $B = \{1, 2\}$  then A x B =

Name of Student: Shaikh Anam Fatima

- a)  $\{(1, a), (2, b)\}$
- b)  $\{(a,1), (b,2)\}$
- **v**c)  $\{(a, 1), (a, 2), (b, 1), (b, 2)\}$

Q.2: Which of the following relations on the set  $A = \{1, 2, 3\}$  is reflexive?

a) {(1, 1), (2, 2)} (1, 1), (2, 2), (3, 3)} c) {(1, 1), (1, 2), (1, 3)}

Q.3: Which of the following relations on the set  $A = \{1, 2, 3\}$  is symmetric?

d)  $\{(1, 3), (1, 1)\}$ e)  $\{(3, 2), (2, 3)\}$ f)  $\{(1, 1), (1, 2), (2, 3)\}$ 

Q.4: If origin is shifted to the point (2, 1) then the new co-ordinates of the point

Q.5: If the axes are rotated through  $90^{\circ}$  then equations of rotation are:

x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c > 0 then rat ac < bc b) ac > bc c) ac = bcQ.7: If  $y = x \sin x$  then  $\frac{dy}{dx}$  is a)  $x + \cos x$ b) x cos x  $(x \cos x + \sin x)$ Q.8: If  $y = \ln x$ , then value of y''(e) is: a) 1 b)  $\frac{1}{e}$  $V_{c}) - \frac{1}{e^{2}}$ Q.9: If  $y = \sin^2 x$  then dy/dx =Var Sin 2x b) Cos 2x c) 2 Sin x Q.10: Solution of the differential equation  $\frac{dy}{dx} = \cos x$  is

a)  $y = -\sin x + c$  $rightarrow y = \sin x + c$ c)  $y = \cos x + c$ 

\*\*\*\*\*



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribal Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Y & M Anjuman Khairul Islam's



### Department of Mathematics <u>Assessment Test</u>: Bridge Course (2015-16) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Roll No.: 4708

Name of Student: <u>Rubina Parveen</u>

Date:

Instructions: All questions are compulsory carrying equal marks.

Q.1: If  $A = \{a, b\}$  and  $B = \{1, 2\}$  then A x B =

- a)  $\{(1, a), (2, b)\}$
- b)  $\{(a,1), (b,2)\}$
- (a, 1), (a, 2), (b, 1), (b, 2)

Q.2: Which of the following relations on the set  $A = \{1, 2, 3\}$  is reflexive?

a)  $\{(1, 1), (2, 2)\}$ (b)  $\{(1, 1), (2, 2), (3, 3)\}$ c)  $\{(1, 1), (1, 2), (1, 3)\}$ 

Q.3: Which of the following relations on the set  $A = \{1, 2, 3\}$  is symmetric?

d)  $\{(1, 3), (1, 1)\}$ e)  $\{(3, 2), (2, 3)\}$ f)  $\{(1, 1), (1, 2), (2, 3)\}$ 

Q.4: If origin is shifted to the point (2, 1) then the new co-ordinates of the point

$$\begin{array}{c} (3, 5) \text{ is} \\ (1, 4) \\ b) (-1, -4) \\ c) (5, 6) \end{array}$$

(0 5)

Q.5: If the axes are rotated through  $90^{\circ}$  then equations of rotation are:

a) x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c > 0 then (a) ac < bcb) ac > bc c) ac = bcQ.7: If  $y = x \sin x$  then  $\frac{dy}{dx}$  is a)  $x + \cos x$ b)  $x \cos x$ c)  $x \cos x + \sin x$ Q.8: If  $y = \ln x$ , then value of y''(e) is: (a) 1 b)  $\frac{1}{e}$ c)  $-\frac{1}{e^2}$ Q.9: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x b) Cos 2x c > 2 Sin x

Q.10: Solution of the differential equation  $\frac{dy}{dx} = \cos x$  is

(a) 
$$y = -\sin x + c$$
  
(b)  $y = \sin x + c$   
(c)  $y = \cos x + c$ 



POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in

Y & M Anjuman Khairul Islam's



# Department of Mathematics <u>Assessment Test</u>: Bridge Course (2015-16) F. Y. B. Sc.

**Duration: 40 minutes** 

Max. Marks: 10

Roll No.: 4732

Name of Student: <u>Azhar</u> Shaikh

Date: 2/7/2015

Instructions: All questions are compulsory carrying equal marks.

Q.1: If A =  $\{a, b\}$  and B =  $\{1, 2\}$  then A x B =

- a)  $\{(1, a), (2, b)\}$
- b) {(a,1), (b, 2)}
- (a, 1), (a, 2), (b, 1), (b, 2)}

Q.2: Which of the following relations on the set  $A = \{1, 2, 3\}$  is reflexive?

a)  $\{(1, 1), (2, 2)\}$ b)  $\{(1, 1), (2, 2), (3, 3)\}$ c)  $\{(1, 1), (1, 2), (1, 3)\}$ 

Q.3: Which of the following relations on the set  $A = \{1, 2, 3\}$  is symmetric?

d)  $\{(1, 3), (1, 1)\}$   $(3, 2), (2, 3)\}$ f)  $\{(1, 1), (1, 2), (2, 3)\}$ 

Q.4: If origin is shifted to the point (2, 1) then the new co-ordinates of the point

(3, 5) is

-a) (1, 4) b) (-1, -4) c) (5, 6)

Q.5: If the axes are rotated through  $90^{\circ}$  then equations of rotation are:

a)  $x = -x^{2}, y = -y^{2}$ b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c > 0 then  $\overline{a}$ ) ac < bc b) ac > bc c) ac = bcQ.7: If  $y = x \sin x$  then  $\frac{dy}{dx}$  is a)  $x + \cos x$ b) x cos x c)  $x \cos x + \sin x$ Q.8: If  $y = \ln x$ , then value of y''(e) is: a) 1 b)  $\frac{1}{e}$  $(e) - \frac{1}{e^2}$ Q.9: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x 2 sinx (+b) Cos 2x (-b) 2 Sin x Q.10: Solution of the differential equation  $\frac{dy}{dx} = \cos x$  is dy losn =1 (a)  $y = -\sin x + c$ b)  $y = \sin x + c$ c)  $y = \cos x + c$ \*\*\*\*\*



Y & M Anjuman Khairul Islam's POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE (Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970) K.B. Hidayatullah Road, Camp, Pune - 411001. Maharashtra, India Tel.: +91-20-26454240 / 26446319. Fax: +91-20-26453707 Email : principal@akipoonacollege.ac.in Website:www.akipoonacollege.ac.in



# Department of Mathematics <u>Assessment Test</u>: Bridge Course (2015-16) F. Y. B. Sc.

Duration: 40 minutes	Max. Marks: 10
Name of Student: Arbaz Bageroan.	_Roll No.: 4770
Date: 2 7 2015	1

Instructions: All questions are compulsory carrying equal marks.

Q.1: If  $A = \{a, b\}$  and  $B = \{1, 2\}$  then  $A \times B =$ 

a) {(1, a), (2, b)} b) {(a,1), (b, 2)} c) {(a, 1), (a, 2), (b, 1), (b, 2)}

Q.2: Which of the following relations on the set  $A = \{1, 2, 3\}$  is reflexive?

a)  $\{(1, 1), (2, 2)\}$ b)  $\{(1, 1), (2, 2), (3, 3)\}$ c)  $\{(1, 1), (1, 2), (1, 3)\}$ 

Q.3: Which of the following relations on the set  $A = \{1, 2, 3\}$  is symmetric?

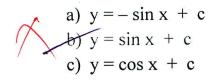
d)  $\{(1, 3), (1, 1)\}$ e)  $\{(3, 2), (2, 3)\}$ f)  $\{(1, 1), (1, 2), (2, 3)\}$ 

Q.4: If origin is shifted to the point (2, 1) then the new co-ordinates of the point

(3, 5) is a) (1,4) b) (-1, -4) c) (5, 6)

Q.5: If the axes are rotated through  $90^{\circ}$  then equations of rotation are:

a) x = -x', y = -y'b) x = -x', y = y'c) x = x', y = -y'Q.6: If a < b and c > 0 then a) ac < bc b) ac > bc c) ac = bc Q.7: If  $y = x \sin x$  then  $\frac{dy}{dx}$  is a)  $x + \cos x$ b)  $x \cos x$ c)  $x \cos x + \sin x$ Q.8: If  $y = \ln x$ , then value of y''(e) is:  $\begin{array}{c} a) 1 \\ b) \frac{1}{e} \end{array}$ c)  $-\frac{1}{\rho^2}$ Q.9: If  $y = \sin^2 x$  then dy/dx =a) Sin 2x b) Cos 2x c) - 2 Sin xQ.10: Solution of the differential equation  $\frac{dy}{dx} = \cos x$  is



\*\*\*\*

### **AKI's**

# Poona College of Arts, Science & Commerce, Camp, Pune-01 **Department Of Mathematics**

# **NOTICE**

Date : 27/06/2015

All the students of F.Y.B.Sc (C.S) are informed that, the Dept. of Mathematics is going to conduct Bridge Course as per following time table. The course will start from 2<sup>nd</sup> July 2015 to 4th July 2015. It is compulsory for all the students to attend the same.

### **Time Table :**

#### Hall No.: 39

Sr.No.	Day	Date	Time	Subject	Name of Faculty
1.	Thursday	02/07/2015	11:00 to 12:30	Maths P-I	Prof. Afreen Shaikh
2.	Friday	03/07/2015	12:30 11:00 to 12:30	Maths P-II	Prof. Munzarin Sajjan
3.	Saturday	04/07/2015	11:00 to 12:30	Maths P-I	Prof. Shaheen Shaikh



# Department of Mathematics

Head Department of Mathematics Anjuman Khairui Islam'a Poona College of Arts, Ssience and Commerce, Camp, Puise - 411601

#### AKI's

# Poona College of Arts, Science & Commerce, Camp, Pune-01 Department Of Mathematics Remedial/Bridge Course

#### Class : F.Y.B.Sc(C.S)

#### Paper : I, II

Name of the Teacher : Sajjan Munzarin, Shaikh Shaheen, Afreen Shaikh Date : 02/07/2015 to 04/07/2015.

			2			_
Sr.No.	Roll No.	Name of the Students	2/07	037	04/7	
1	5801	Masudar Rehman	P	P	P	
2	5803	Shaikh Sarfaraz	P	P	P	
3	5804	Mujawar Zuheb	P	p	P	-
4	5805	Sayyed Fahad .Z	P	P	P	-
5	5807	Khan Zahia	A	9	Р	
6	5838	Shaikh Abdul	A	approver	and	ter and a second
7	5880	Shaikh Aliza	A	P	P	-
8	5809	Khan Afridi	A		P	-
9	5811	Shaikh Amina Zubair	P	P	P	-
10	5813	Sayyed Umaima	P	P	A	
11	5814	Mulla Sufiyan	P	P		
12	5815	Shaikh Swaleha salim	P	P	P	
13	5816	Kazi Aaysha Altaf	P	P	P	-
14	5817	Mulani Tamanna Mehboob		P	P	
15	5818	Bamne Aqda	P	P	2	-
16	5820	Shaikh Naufil Javed	P	P		-
17	5821	Mujawar Tanveer	4	P	P	
18	5823	Mulla Afifa Irshad	ρ	P	P	
19	5824	Khan Rayyan	P	P	P	
20	5825	Shaikh Irfan	P	P	P	-
21	5828	Khan Abdul Hanan	P	P	P	1
22	5831	Ansari Saqlain	P.	P	P	
23	5832	Shaikh Moyeen.R.	P	P		
24	5834	Shaikh Faiz	P	P	P	
25	5835	Shaikh Tanveer	P	P	P	1
26	5837	Shaikh Abrar	P	•	P	1
27	5839	Anikit Londe	P	P	P	-
28	5840	Shaikh Saniya Usman	-		· · ·	and Menality Collegest,
29	5843	Sangare Parmita Arun			P	
30	5844	Shaikh Amir	P	P	P	
31	5845	Shaikh Afridee	P	P	5	
32	5846	Shaikh Zubair	P	*	P	1
33	5847	Sayyed Salman Shahnawaz	P		<u> </u>	-

Sr.No.	Roll No.	Name of the Students	02/07	03/3	oyle	7
34	5849	Shaikh Ismail	P	P	P	
35	5850	Sange Salman	P	P	P	
36	5851	Bagwan saniya sabir	P	P	P	
37	5853	Shaikh I.Nihal	P	P		
38	5854	Sheikh zeba Kadir	,	ĸ	P	
39	5855	Moulvi Shifa	Р	P	p	
40	5857	Sayyed Asad Samad	P	P	P	
41	5859	Shaikh Obed	4	1	P	
42	5862	Naeem Parkar	P	P	P	
43	5866	Shaikh Asad	P	P	P	
44	5868	Shaikh Md.Safi Akbar	P	,	P	
45	5869	Shaikh Abdus Samad	P	P	1	
46	5870	Sayyed Sajeda Ikhtiyarali	P	P	P	
47	5871	Shaikh Aayesha Riyaz	P	P	P	
48	5901	Md.Amin Md.Azimuddin	P	•	• .	
49	5902	Maniyar Mustakim		1.000	p	
50	5904	Sayyed Gulam Mustafa Shafique			P	
51	5905	Shaikh Asrad	P	P	P	
52	5908	Khan Umair	P	P	P	
53	5910	Shaikh Md Zaki Irfan	P		~	
54	5912	Ansari Irfan T	P			
55	5915	Ali	,	P	P	
56	5916	Raliq	P	P	1	
57	5918	Shaikh Junaid	P	P	×.	
			Jaik	Solad	tre	-

Total NO. of Students: 55

-

Head Department of Mathematics

Anjumen Kheirul Islam's Poonal Colle 30 of Arts, Selence and Commorce, Camp, Pune - 411801

#### **Unit 1: Discrete Mathematics & Graph**

#### **3** Lectures

1.1 Logic and its properties

1.2 Counting principle

1.3 Definition and properties of graph

#### Unit 2: Algebra & Calculus

2.1 Sets and relation

2.2 Continuity

2.3 GCD, LCM and derivatives

**3** Lectures

Head Bepartment of Mathematics Anjuman Khairul Islam's Poona College of Arts, Selence and Commerce, Camp, Pune - 411001

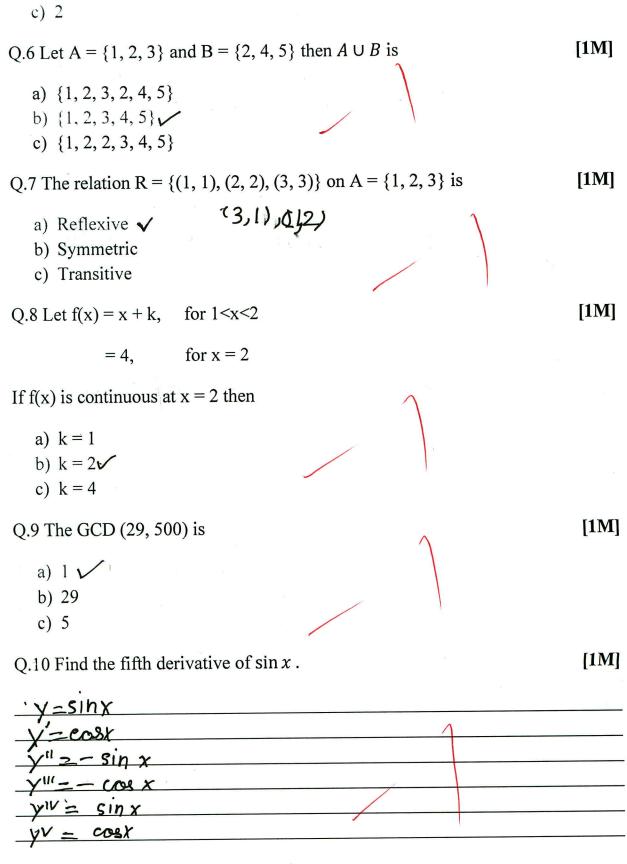
TEST	
Name of Student: Asrad Sally Shaikh F	1ax. Marks: 10 Roll No.:
Date: 4/7/2015 Instructions: 1) All questions are compulsory.	
2) Figures to the right indicate full marks.	
Q. 1 $(p \land q) \rightarrow p$ is	[1M]
<ul><li>b) Contradiction</li><li>c) Contingency</li></ul>	10mW
$Q.2 \sim (\sim p) \equiv$	[1M]
a) $\sim (\sim p)$ b) $\sim (p)$ c) p	
Q.3 How many ways are there to arrange letters of the word	d "MADAM"? [1M]
a) 10 b) 20 c) 30	
Q.4 Total number of different photographs of 5 persons on	7 chairs is [1M]
a) ${}^{7}P_{5}$ b) ${}^{7}C_{5}$ c) ${}^{7}C_{7}$	
Q.5 The degree of isolated vertex is	[1M]
<b>b</b> ) 1	

c) 2 [1M] Q.6 Let A =  $\{1, 2, 3\}$  and B =  $\{2, 4, 5\}$  then  $A \cup B$  is a)  $\{1, 2, 3, 2, 4, 5\}$ **b** {1, 2, 3, 4, 5} c)  $\{1, 2, 2, 3, 4, 5\}$ Q.7 The relation R = {(1, 1), (2, 2), (3, 3)} on A = {1, 2, 3} is (3,1)(1,2) [1M] a) Reflexive b) Symmetric C) Transitive [1M] Q.8 Let f(x) = x + k, for  $1 \le x \le 2$ = 4, for x = 2 If f(x) is continuous at x = 2 then a) k = 1b) k = 2k = 4[1M] Q.9 The GCD (29, 500) is 1-12-1 b) 29 c) 5 [1M] Q.10 Find the fifth derivative of  $\sin x$ .

TEST	
Duration: 50 minutesMax. Marks:Name of Student:Shifa S. MoulviRoll No.:	
Date: 4/ 7 /2015 Instructions: 1) All questions are compulsory.	
2) Figures to the right indicate full marks.	s
Q. 1 $(p \land q) \rightarrow p$ is (a) Tautology (b) Contradiction (c) Contingency (c)	[1M]
$Q.2 \sim (\sim p) \equiv$	[1M]
a) $\sim (\sim p)$ b) $\sim (p)$ c) p	
Q.3 How many ways are there to arrange letters of the word "MADAM	"? [1 <b>M</b> ]
a) 10 b) 20 c) 30	
Q.4 Total number of different photographs of 5 persons on 7 chairs is	[1M]
a) ${}^{7}P_{5}$ b) ${}^{7}C_{5}$ c) ${}^{7}C_{7}$	
Q.5 The degree of isolated vertex is	[1M]
a) 0 b) 1	

c) 2	
Q.6 Let A = $\{1, 2, 3\}$ and B = $\{2, 4, 5\}$ then A $\cup$ B is	[1M]
a) {1, 2, 3, 2, 4, 5} b) {1, 2, 3, 4, 5} c) {1, 2, 2, 3, 4, 5}	
Q.7 The relation R = {(1, 1), (2, 2), (3, 3)} on A = {1, 2, 3} is (3,1), (1,2)	[1M]
<ul> <li>a) Reflexive</li> <li>b) Symmetric</li> <li>c) Transitive</li> </ul>	<b>1</b>
Q.8 Let $f(x) = x + k$ , for $1 \le x \le 2$	[1M]
= 4,  for x = 2	
If $f(x)$ is continuous at $x = 2$ then a) $k = 1$ b) $k = 2$ c) $k = 4$	
Q.9 The GCD (29, 500) is a) 1 b) 29 c) 5	[1 <b>M</b> ]
Q.10 Find the fifth derivative of $\sin x$ .	[1M]

Duration: 50 minutes Name of Student: <u>Africles</u> Aziz Shaikh Date: /742015 4-9-2015 Instructions: 1) All questions are compulsory.	Max. Marks: 10 Roll No.:_5845
2) Figures to the right indicate full marks	S.
Q. 1 $(p \land q) \rightarrow p$ is	10 A [1M]
<ul><li>a) Tautology</li><li>b) Contradiction</li><li>c) Contingency</li></ul>	
$Q.2 \sim (\sim p) \equiv$	[1M]
a) $\sim (\sim p)$ b) $\sim (p)$ c) $p \checkmark$	
Q.3 How many ways are there to arrange letters of the	word "MADAM"? [1M]
a) 10 b) 20 c) 30	
Q.4 Total number of different photographs of 5 person	s on 7 chairs is [1M]
a) ${}^{7}P_{5}$ b) ${}^{7}C_{5}$ c) ${}^{7}C_{7}$	
Q.5 The degree of isolated vertex is	[1M]
a) 0√ b) 1	



\*

Duration: 50 minutes Name of Student: <u>Shouth Irfan Wahid</u>	Max. Marks: 10 
Date: 4/ 7/2015 Instructions: 1) All questions are compulsory.	
2) Figures to the right indicate full marks.	
Q. 1 $(p \land q) \rightarrow p$ is (va) Tautology b) Contradiction c) Contingency	5 <b>[1M]</b>
Q.2 $\sim (\sim p) \equiv$ a) $\sim (\sim p)$ b) $\sim (p)$ $\checkmark c) p$	[1M]
Q.3 How many ways are there to arrange letters of the w	ord "MADAM"? [1M]
<ul> <li>(a) 10</li> <li>(b) 20</li> <li>(c) 30</li> </ul>	
Q.4 Total number of different photographs of 5 persons	on 7 chairs is [1M]
(a) ${}^{7}P_{5}$ (b) ${}^{7}C_{5}$ (c) ${}^{7}C_{7}$	[1]MD
Q.5 The degree of isolated vertex is (a) 0 (b) 1	[1M]

c) 2	
Q.6 Let A = $\{1, 2, 3\}$ and B = $\{2, 4, 5\}$ then $A \cup B$ is	[1M]
a) {1, 2, 3, 2, 4, 5} b) {1, 2, 3, 4, 5} c) {1, 2, 2, 3, 4, 5}	
Q.7 The relation $R = \{(1, 1), (2, 2), (3, 3)\}$ on $A = \{1, 2, 3\}$ is	[1M]
<ul> <li>(3.1)(1,2)</li> <li>b) Symmetric</li> <li>c) Transitive</li> </ul>	
Q.8 Let $f(x) = x + k$ , for $1 \le x \le 2$	[1M]
= 4,  for x = 2	
If $f(x)$ is continuous at $x = 2$ then	
a) $k = 1$ (b) $k = 2$ c) $k = 4$	
Q.9 The GCD (29, 500) is	[1M]
(a) 1 b) 29 c) 5	
Q.10 Find the fifth derivative of $\sin x$ .	[1M]

Duration: 50 minutes	Max. Marks: 10
Name of Student: Banne Agdy Faziluddin	Roll No.:54818
Date: 4 / 7 /2015 Instructions: 1) All questions are compulsory.	
2) Figures to the right indicate full marks	•
Q. 1 $(p \land q) \rightarrow p$ is a) Tautology $\checkmark$ b) Contradiction c) Contingency	
$Q.2 \sim (\sim p) \equiv$	[1M]
a) $\sim (\sim p)$ b) $\sim (p)$ c) p	
Q.3 How many ways are there to arrange letters of the	word "MADAM"? [1M]
a) 10 b) 20 c) 30	$\bigcirc$
Q.4 Total number of different photographs of 5 person	s on 7 chairs is [1M]
a) ${}^{7}P_{5}$ b) ${}^{7}C_{5}$ c) ${}^{7}C_{7}$	
Q.5 The degree of isolated vertex is	[1M]
a) 0 b) 1	5 2

c) 2 Q.6 Let A =  $\{1, 2, 3\}$  and B =  $\{2, 4, 5\}$  then  $A \cup B$  is a)  $\{1, 2, 3, 2, 4, 5\}$ b)  $\{1, 2, 3, 4, 5\}$ c)  $\{1, 2, 2, 3, 4, 5\}$ Q.7 The relation R =  $\{(1, 1), (2, 2), (3, 3)\}$  on A =  $\{1, 2, 3\}$  is (3.1) (1.2) a) Reflexive

- b) Symmetric
- c) Transitive

Q.8 Let f(x) = x + k, for 1<x<2

= 4, for x = 2

If f(x) is continuous at x = 2 then

a) k = 1b) k = 2 (c) k = 4

Q.9 The GCD (29, 500) is

- a) 1 🗸
- b) 29
- c) 5

Q.10 Find the fifth derivative of  $\sin x$ .

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[1M]

[1M]

[1M]

[1M]

[1M]