



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



**BRIDGE  
COURSE**

**SAMPLE DOCUMENTS**





# 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

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Date: 22/06/19

## NOTICE

All the students of F.Y.B.Sc, F.Y. B.Sc. (C.S)(Div: A &B) , F.Y.B.A (Maths) & F.Y.B.B.A 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 to 10:00	Maths P-II	Mrs. Shaheen khan
2.	Tuesday	25/06/2019	10:00 to 10:50	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,

Department of Mathematics

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
Camp, Pune - 411001



# AKI's Poona college of Arts, Science & commerce, Pune-01

## Attendance Sheet

Date of Activity: 24/6 to 26/6/19 Time Slot: 1-20 to 2-10 pm  
 Activity Name: Bridge Course Teacher/s Incharge: Dr. Amjad Shaikh  
Prof. Akhlaque Aamed

Organizing Dept/Committee: Mathematics Guest: —

Total Number of Students Attended: \_\_\_\_\_ Report Generated by: \_\_\_\_\_

Sr.No	Name	Class	Roll No	1:20 to 2:10 2:10 to 3:50			
				24/6	24/6/19	25/6/19	26/6/19
1	SHAIKH AIMAN	F.Y.B.Sc	5108	Aiman	Aiman	Aiman	Aiman
2	Shaikh Ayesha	F.Y.B.Sc	5114	Ayesha	Ayesha	Ayesha	Ayesha
3	Kondkar Kulsum	F.Y.B.Sc	5101	Kulsum	Kulsum	Kulsum	Kulsum
4	Mujawar Yashfin	F.Y.B.Sc	5214	Yashfin	Yashfin	Yashfin	Yashfin
5	Shaikh Farhanda	F.Y.B.Sc	5216	Farhanda	Farhanda	Farhanda	Farhanda
6	Qureshi Madiha	F.Y.B.Sc	5112	Madiha	Madiha	Madiha	Madiha
7	Naikwadi Aishashifa	F.Y.B.Sc	5116	Aishashifa	Aishashifa	Aishashifa	Aishashifa
8	Shaikh Umar Mastan	F.Y.B.Sc	5103	Umar Mastan	Umar Mastan	Umar Mastan	Umar Mastan
9	Nitish Kumar Aswan	F.Y.B.Sc	5109	Nitish	Nitish	Nitish	Nitish
10	Fardeen Aslam Pathan	F.Y.B.Sc	5106	Fardeen	Fardeen	Fardeen	Fardeen
11	Shah Sohel Allaudin Pathan	F.Y.B.Sc	5105	Sohel	Sohel	Sohel	Sohel
12	Shaikh Anuina Lalimuddin	F.Y.B.Sc	5209	Anuina	Anuina	Anuina	Anuina
13	Shaikh Saadiya Samad	F.Y.B.Sc	5206	Saadiya	Saadiya	Saadiya	Saadiya
14	Tamboli Ayesha	F.Y.B.Sc	5111	Ayesha	Ayesha	Ayesha	Ayesha
15	Khan Nabeel	F.Y.B.Sc	5176	Nabeel	Nabeel	Nabeel	Nabeel
16	Shaikh Amaan	F.Y.B.Sc	5183	Amaan	Amaan	Amaan	Amaan
17	Shreyash Caikwad	F.Y.B.Sc	5104	Shreyash	Shreyash	Shreyash	Shreyash
18	Mohsin Sayyed	F.Y.B.Sc	5107	Mohsin	Mohsin	Mohsin	Mohsin
19	Fahad Raj	F.Y.B.Sc	5215	Fahad	Fahad	Fahad	Fahad
20	Ansari Javeriya	F.Y.B.Sc	5211	Javeriya	Javeriya	Javeriya	Javeriya
21	Ansari Tamanna	F.Y.B.Sc	5212	Tamanna	Tamanna	Tamanna	Tamanna
22	Swaleha Sayyed	F.Y.B.Sc	5119	Swaleha	Swaleha	Swaleha	Swaleha
23	Rutuja Sarawade	F.Y.B.Sc	5210	Rutuja	Rutuja	Rutuja	Rutuja
24	Mishra Momini	F.Y.B.Sc	5102	Mishra	Mishra	Mishra	Mishra
25	Saurabh Dighe	F.Y.B.Sc	5184	Saurabh	Saurabh	Saurabh	Saurabh



# AKI's Poona college of Arts, Science & commerce, Pune-01

## Attendance Sheet

Date of Activity:		Time Slot:	
Activity Name		Teacher/s Incharge:	


Organizing Dept/Committee:	Guest:
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<b>Total Number of Students Attended:</b>	<b>Report Generated by:</b>
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Sr.No	Name	Class	Roll No				
26	Shaikh Asiyah	F.Y.BSc	5178	Atob	Atar	Atar	Atar
27	Baraskar Umar Abdulla	F.Y.BSc	5219	UAB	UAB	UAB	UAB
28	Nashit Nazim Shaikh	F.Y.BSC	5207	Shaikh	Shaikh	Shaikh	Shaikh
No. of Beneficiaries → (28)							

Pg. No \_\_\_\_ of \_\_\_\_ (Total Pages)

Signature of Faculty Incharge

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



# AKI's Poona college of Arts, Science & commerce, Pune-01

## Attendance Sheet

Date of Activity: 24<sup>th</sup> June to 26<sup>th</sup> June 2019 Time Slot: 7:30 am - 10.00 am

Activity Name: Bridge Teacher/s Incharge: Mrs. Munzarin Sajjan  
Mrs. Shaheen Khan

Organizing Dept/Committee: Mathematics Guest:

Total Number of Students Attended: Report Generated by: 24/6/19, 25/6/19, 26/6/19

Sr.No	Name	Class	Roll No	P-II	P-I	P-II	P-I
1]	Sajidahemad A.S Shebde		6867	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2]	Faijan H. Sayyed	A	6818	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3]	Amaan A. Shaikh		6872	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4]	Shaikh Nabeel Ahmed	A	6813	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5]	Khan Alomien	A	6851	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6]	Alisagar S. Kachwala		6817	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7]	Shahnawaz S. Momin	A	6844	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8]	Wahid Shaikh	A	6827	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9]	Shaikh Mustafa		6911	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10]	Tufel F. Ansari	A	6862	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11]	Baqwan Sarfaraj	A	6843	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12]	Huzain K. Khan		6845	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13]	pathan ameer G. Khan (CB)		6926	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14]	Aman Kishor Pachnos		6814	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15]	Hannan Muzaffar Ansari	A	6871	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16]	Singh Gaurav G.	A	6835	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17]	Asim Shaikh	A	6903	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18]	Shaikh Sohail	A	6856	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19]	Mussain Shaikh	A	6802	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20]	Sayyed Used (B)	A	6912	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21]	Vaibhav C. Mirajkar		6807	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22]	Vaibhav Anarase		6865	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
23]	Mudassar Sayeed		6859	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24]	Munib Dhandouk		6855	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
25]	Naim Shaikh		6821	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
26]	Tabish Ansari		6874	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>





# AKI's Poona college of Arts, Science & commerce, Pune-01

## Attendance Sheet

Date of Activity: 24<sup>th</sup> June to 26<sup>th</sup> June 2019 Time Slot: 9.30 am - 10.00 am

Activity Name: Bridge Teacher/s Incharge: Mrs. Munzarin Sajjan  
Mrs. Shaheen Khan

Organizing Dept/Committee: Mathematics Guest:

Total Number of Students Attended: Report Generated by:

Sr.No	Name	Class	Roll No	P-II	P-I	P-II	P-I
27	Hammad Gazi Khan	A	6864	Hammad	Hammad	Hammad	Hammad
28	AYESHA Jabbar pathan	Apathan	6858	Apathan	Apathan	Apathan	Apathan
29	Rodde Salaha	V	6816	Salaha	Salaha	Salaha	Salaha
30	Bhole sariya	L	6815	sariya	sariya	sariya	sariya
31	Momin Meenaz	>	6806	Meenaz	Meenaz	Meenaz	Meenaz
32	Khan Alhena	E	6804	Alhena	Alhena	Alhena	Alhena
33	Sandeep yadav	E	6920	Sandeep	Sandeep	Sandeep	Sandeep
34	Abhishek-R. Aujji		6919	Abhishek	Abhishek	Abhishek	Abhishek
35	Ragwan Imran	G	6831	Imran	Imran	Imran	Imran
36	Shaikh Shoaib	J	6852	Shoaib	Shoaib	Shoaib	Shoaib
37	Shaikh Sohel	J	6832	Sohel	Sohel	Sohel	Sohel
38	Shaikh Faele Haque	J	6833	Faele	Faele	Faele	Faele
39	Prince vinod Singh	S	6921	Prince	Prince	Prince	Prince
40	Rohit .R. Prirwa	S	6922	Rohit	Rohit	Rohit	Rohit
41	Attar Kaif Alchkar	A	6902	Attar	Attar	Attar	Attar
42	Chandrakant .D.Kurho	A	6803	Kurho	Kurho	Kurho	Kurho
43	Surendra K. Saroj	J	6879	Surendra	Surendra	Surendra	Surendra
44	Shahrukh .H. Nagru	L	6880	Shahrukh	Shahrukh	Shahrukh	Shahrukh
45	Amaan I. Shaikh	L	6979	Ashaikh	Ashaikh	Ashaikh	Ashaikh
46	Sajid Shaikh	I	6834	Sajid	Sajid	Sajid	Sajid
47	Yasir Ansari	I	6853	Yasir	Yasir	Yasir	Yasir
48	Anif Shaikh	I	6869	Anif	Anif	Anif	Anif
49	Arijad Bhasi	I	6886	Arijad	Arijad	Arijad	Arijad
50	Shahnawaz Shirgankar (B)	B	6927	Shahnawaz	Shahnawaz	Shahnawaz	Shahnawaz
51	Farran Carvalho	I	6846	Farran	Farran	Farran	Farran
52	Abraar Shaikh	I	6847	Abraar	Abraar	Abraar	Abraar

Fg. No. \_\_\_\_\_ of \_\_\_\_\_ (Total Pages)

Signature of Faculty Incharge





# AKI's Poona college of Arts, Science & commerce, Pune-01

## Attendance Sheet

Date of Activity: 24<sup>th</sup> June to 26<sup>th</sup> June 2019 Time Slot: 7.30 am - 10.00 am

Activity Name: Bridge Teacher/s Incharge: Mrs. Muncarin Sajjan  
Mrs. Shaheen Khan

Organizing Dept/Committee: Mathematics Guest:

Total Number of Students Attended: Report Generated by:

Sr.No	Name	Class	Roll No	P-II	P-I	P-II	P-I
51	Shaikh Aleem	M	6877	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
52	Sabil Nadaf	V	6870		Sabil		
53	Salif Sheikh	V	6857	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
54	Gaus Nadaf	V	6826	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
55	Shadal Sheikh	V	6848				
56	Shaikh Arif	V	6873	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
57	Ahmed Pathan	V	6928	A.P	A.P	A.P	A.P
58	Khan Nawaz	V	6811		<del>Att</del>	<del>Att</del>	<del>Att</del>
59	Shaikh Sabir	V	6810	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
60	Khan Fiza	V	6860		Chan	Chan	
61	Shaikh Shahida	V	6838				
62	Nair Veena	V	6801	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
63	Kushwaha Poonam	V	6930	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
64	Shoaib Shaikh	V	6819	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
65	Shaikh Tarannum	V	6880	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
66	Arshia Tamboli	V	6840	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
67	Sahar N. Shaikh	V	6828	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
68	Admin Shaikh	V	6914	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
69	Shahnawaz Shirgaonkar	V	6927		Shahnawaz		
70	Atar Kalf Akhter	V	6902	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
71	Chandrakant D. Kurhe	V	6803	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
72	<del>Prasad Rajendra</del>	V	<del>6801</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
73	Rohit . R. Baiswa	V	6922		Rohit		
74	Prince .v. Singh	V	6921		Prince		
75	Shaikh Fazle Haque	V	6833	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
76	Shaikh sohel	V	6832	<del>Att</del>	<del>Att</del>	<del>Att</del>	<del>Att</del>
77	Abhishek . R. Auyi	V	6919		Abhishek		
78	Shaikh Asim	V	6903				



AKI's Poona college of Arts, Science & commerce, Pune-01							
Attendance Sheet							
Date of Activity: 24 <sup>th</sup> June to 26 <sup>th</sup> June 2019				Time Slot: 7.30am - 10.00 am			
Activity Name	Bridge			Teacher/s Incharge:	Mrs. Munzarin Sajjan Mrs. Shaheen Khan		
Organizing Dept/Committee: Mathematics				Guest:			
Total Number of Students Attended:				Report Generated by:			
Sr.No	Name	Class	Roll No	P-II	P-I	P-II	P-I
80	Shaiikh Shaziya	Fy(Bcs)	6849	/	/	<del>Shaziya</del>	<del>Shaziya</del>
81	Sayyad Sumaiya	Fy(Bcs)	6850	/	/	<del>Sumaiya</del>	<del>Sumaiya</del>
82	shaiikh Behnuma	Fy(Bcs)	6925	/	/	<del>Behnuma</del>	<del>Behnuma</del>
83	Shaikh Iftesam	Fy(Bcs)	6829	/	/	<del>Iftesam</del>	<del>Iftesam</del>
84	Shaikh Muskan Sajid	Fy(Bcs)	6822	/	/	<del>Muskan</del>	<del>Muskan</del>
85	Shaikh Mahendi	Fy(Bcs)	6823	/	/	<del>Mahendi</del>	<del>Mahendi</del>
X	<del>Shaikh Shadab</del>	<del>Fy(Bcs)</del>	<del>48</del>	/	/		
86	Farhan Qureshi	Fy(Bcs)	6904	/	/	<del>Farhan</del>	<del>Farhan</del>
X	<del>Baqwan Surtaraj</del>	<del>Fy(Bcs)</del>	<del>6843</del>	/	/		
87	Maniyal Afez	Fy(Bcs)	6940	/	/	<del>Maniyal</del>	<del>Maniyal</del>
88	Sk. Hayat Ashraf F	Fy(Bcs)	6936	/	/	<del>Ashraf</del>	<del>Ashraf</del>
89	Chandrakant D Kurte	Fy(Bcs)	6803	/	/	<del>Kurte</del>	<del>Kurte</del>
90	Siddiqui Abdol Rehman	Fy(Bcs)	6915	/	/	<del>Abdullah</del>	<del>Abdullah</del>
91	Sayyed Sulman	Fy(Bcs)	6861	/	/	<del>Sulman</del>	<del>Sulman</del>
92	Sayyed Anyaan	Fy(Bcs)	6863	/	/	<del>Anyaan</del>	<del>Anyaan</del>
X	<del>Shoeib Shaikh</del>	<del>Fy(Bcs)</del>	<del>6819</del>	/	/		
93	Khuradi Aftab	Fy(Bcs)	6812	/	/	<del>Aftab</del>	<del>Aftab</del>
94	Amaan Sayed	Fy(Bcs)	6825	/	/	<del>Amaan</del>	<del>Amaan</del>
95	Shaikh Shamsullah R	Fy(Bcs)	6842	/	/	<del>Shamsullah</del>	<del>Shamsullah</del>
96	Qureshi Bilal A	Fy(Bcs)	6913	/	/	<del>Bilal</del>	<del>Bilal</del>
97	Shaikh Faizer Sadik	Fy(Bcs)	6854	/	/	<del>Faizer</del>	<del>Faizer</del>
98	Maar Salim Alhoni	Fy(Bcs)	6836	/	/	<del>Salim</del>	<del>Salim</del>
99	Adash Annal Idumax	Fy(Bcs)	6844	/	/	<del>Adash</del>	<del>Adash</del>
X	<del>Akter Kafi Akter</del>	<del>Fy(Bcs)</del>	<del>6902</del>	/	/		
X	<del>Bhole Saniya</del>	<del>Fy(Bcs)</del>	<del>6815</del>	/	/		
X	<del>Rodde Satya</del>	<del>Fy(Bcs)</del>	<del>6816</del>	/	/		

Pg. No \_\_\_\_\_ of \_\_\_\_\_ (Total Pages)

Signature of Faculty Incharge

*(Signature)*

No. of Beneficiaries: (99)

Head Department of Mathematics

Anwarul Khairul Islam's  
Poona College  
of Arts, Science and Commerce,  
Pune - 411001









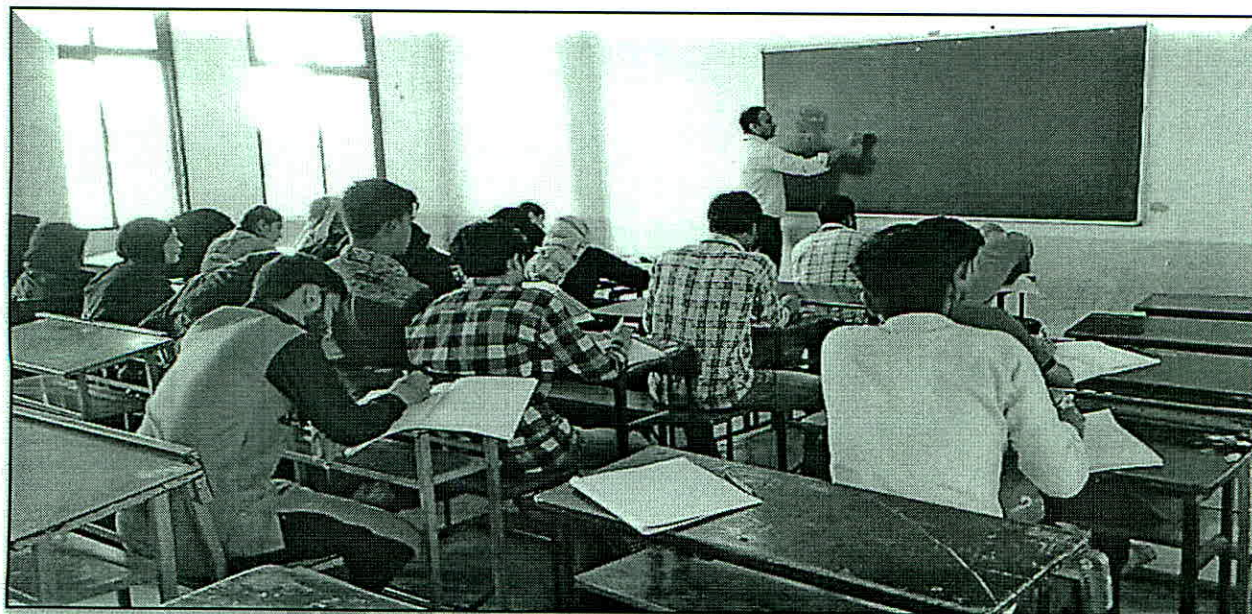
Y & M Anjuman Khairul Islam's  
**POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE**

(Affiliated to Savitribai Phule Pune University: ID No. PU/PN/ASC/023/1970)

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Email : [principal@akipoonacollege.ac.in](mailto:principal@akipoonacollege.ac.in) Website: [www.akipoonacollege.ac.in](http://www.akipoonacollege.ac.in)

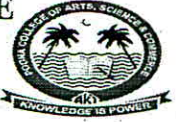


**Dr. Amjad Shaikh delivering a lecture during the Bridge Course  
FYB.Sc on 24/06/19**



**Mr. Akhlaque Ahmed delivering a lecture during the Bridge Course  
FYBSc on 25/06/19.**





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

**Syllabus**

<b>Unit 1: Sets and Relations</b>	<b>1 Lecture</b>
1.1 Operations on sets	
1.2 Relation	
<b>Unit 2: Two Dimensional Geometry</b>	<b>1 Lecture</b>
2.1 Translation of axes	
2.2 Rotation of axes	
<b>Unit 3: Real Numbers</b>	<b>1 Lecture</b>
3.1 Algebraic properties	
<b>Unit 4: Differentiation</b>	<b>1 Lecture</b>
4.1 Definition and examples of derivative	

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





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

26-6-2019

Duration: 40 minutes

Max. Marks: 10

Name of Student: Ansari Javeriya

Roll No.: 5211

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

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

[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

$(2, 3)$  is

[1 M]

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

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

[1 M]

- a)  $ac < bc$
- ✓ b)  $ac > bc$
- c)  $ac = bc$

Q. 6 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. 7 Solve the following.

[4 M]

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

$$x = x' \cos 45 - y' \sin 45$$

$$y = x' \sin 45 + y' \cos 45$$

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

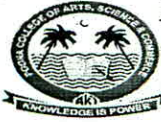
$$a < b \Rightarrow a + c < b + c$$

$$c < d \Rightarrow b + c < b + d$$

$$\Rightarrow a + c < b + d$$

\*\*\*\*\*





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

Duration: 40 minutes

Max. Marks: 10

Name of Student: Shaikh Armina.

Roll No.: 5209

Date: 26/6/19

67/10

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

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

[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)  $\{(1, 1/3), (1, 2)\}$
- 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

$(2, 3)$  is

[1 M]

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

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

[1 M]

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

Q.6 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.7 Solve the following.

[4 M]

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

$$x = x' + y'$$

$\alpha = 0$

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

$$\Rightarrow a < b$$

adding  $c$  both side

$$a + c < b + c$$

Now  $c < d$

adding  $b$

$$b + c < b + d$$

$$\Rightarrow a + c < b + d$$

\*\*\*\*\*





**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

4/10 er

26-6-2019

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

2) Figures to the right indicate full marks.

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

[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

$(2, 3)$  is

[1 M]

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

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

- a)  $ac < bc$
- ✓ b)  $ac > bc$
- c)  $ac = bc$

[1 M]

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

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

[1 M]

Q.7 Solve the following.

[4 M]

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  $a + c < b + d$ .

$$\begin{array}{r} a < b \\ + c < d \\ \hline a + c < b + d \end{array}$$

\*\*\*\*\*





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

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Shaikh Ayesha

**Roll No.:** 5114

5/10

26/6/19

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

2) Figures to the right indicate full marks.

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

[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

$(2, 3)$  is

[1 M]

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

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

[1 M]

- a)  $ac < bc$
- ✓ b)  $ac > bc$
- c)  $ac = bc$

Q.6 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.7 Solve the following.

[4 M]

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

$$\cos 45 = \frac{1}{\sqrt{2}}$$

$$\sin 45 = \frac{1}{\sqrt{2}}$$

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

0

$$a < b$$

$$c < d$$

+

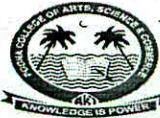
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$$a + c < b + d$$

d

\*\*\*\*\*





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

26/6/19

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Qureshi Madiha

**Roll No.:** 5112

5112

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

2) Figures to the right indicate full marks.

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

[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

$(2, 3)$  is

[1 M]

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



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

- a)  $ac < bc$
- ~~b)  $ac > bc$~~
- c)  $ac = bc$

[1 M]

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

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

[1 M]

Q.7 Solve the following.

[4 M]

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

0

$$x = x' + \cos 45^\circ$$

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

0

$$\begin{aligned} a &< b \\ c &< d \\ a + c &< b + d \end{aligned}$$

\*\*\*\*\*



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**  
**Bridge Course (2019-20)**  
**F.Y.B.Sc (CS)**

**Syllabus**

**Unit 1: Matrices**

**2 Lectures**

1.1 Operations on matrices

1.2 Types of matrices

**Unit 2: Discrete Mathematics**

**1 Lecture**

2.1 logic

**Unit 3: Graph theory**

**1 Lecture**

3.1 Types of graph

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
Camp, Pune - 411001





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

Duration: 50 minutes

Max. Marks: 10

Name of Student: Aman kishor Pachoor

Roll No.: 6814

Date: 26/6/19

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

Q.1 If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then

[1 M]

- ~~a)  $A^{-1}$  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  $B = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is

[1 M]

- ~~a)  $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$~~   
b)  $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$   
c)  $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$

Q.3 The matrix A is symmetric if

[1 M]

- ~~a)  $A^T = A$~~   
b)  $A^T = -A$   
c)  $A^T + A = 0$

Q.4  $\sim(p \wedge q)$  is

[1 M]

- a)  $(p \wedge q)$
- b)  $\sim(p \vee q)$
- ~~c)  $\sim p \vee \sim q$~~

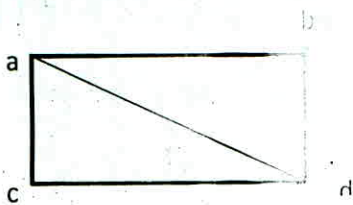
Q.5 The graph  $N_4$  is

[1 M]

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

Q.6 The degree of vertices a and b in the following graph is

[1 M]



- a) 3, 2
- b) 2, 2
- ~~c) 3, 3~~

Q.7 Draw  $K_{2,3}$ .

[2 M]



Q.8 Solve the system of linear equation.

[2 M]

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





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 in the right indicate full marks.

Q.1 If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then

[1 M]

a)  $A^{-1}$  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  $B = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is

[1 M]

a)  $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$

b)  $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$

c)  $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$

Q.3 The matrix A is symmetric if

[1 M]

a)  $A^T = A$

b)  $A^T = -A$

c)  $A^T + A = 0$

Q.4  $\sim(p \wedge q)$  is

[1 M]

- a)  $(p \wedge q)$
- b)  $\sim(p \vee q)$
- c)  $\sim p \vee \sim q$

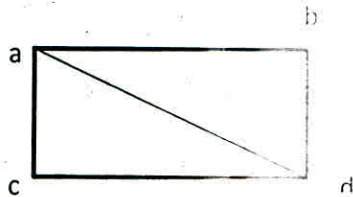
Q.5 The graph  $N_4$  is

[1 M]

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

Q.6 The degree of vertices a and b in the following graph is

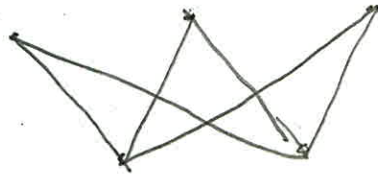
[1 M]



- a) 3, 2
- b) 2, 2
- c) 3, 3

Q.7 Draw  $K_{2,3}$ .

[2 M]



Q.8 Solve the system of linear equation.

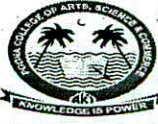
[2 M]

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

a b

\*\*\*\*\*





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

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Aliasgar S. Kishwala

**Roll No.:** 6817

**Date:** 26/6/19

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

2) Figures to the right indicate full marks.

7/10

Q.1 If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then

[1 M]

a)  $A^{-1}$  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  $B = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is

[1 M]

a)  $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$

b)  $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$

c)  $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$

Q.3 The matrix A is symmetric if

[1 M]

a)  $A^T = A$

b)  $A^T = -A$

c)  $A^T + A = 0$

20

Q.4  $\sim(p \wedge q)$  is

[1 M]

- a)  $(p \wedge q)$
- b)  $\sim(p \vee q)$
- c)  $\sim p \vee \sim q$

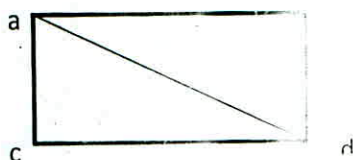
Q. 5 The graph  $N_4$  is

[1 M]

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

Q.6 The degree of vertices a and b in the following graph is

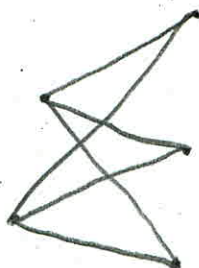
[1 M]



- a) 3, 2
- b) 2, 2
- c) 3, 3

Q.7 Draw  $K_{2,3}$ .

[2 M]



Q.8 Solve the system of linear equation.

[2 M]

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

2 0

\*\*\*\*\*





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

Duration: 50 minutes

Max. Marks: 10

Name of Student: Asim Shaikh

Roll No.: 6903

Date: 26/6/19

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

8/10

Q.1 If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then

[1 M]

a)  $A^{-1}$  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  $B = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is

[1 M]

a)  $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$

b)  $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$

c)  $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$

Q.3 The matrix A is symmetric if

[1 M]

a)  $A^T = A$

b)  $A^T = -A$

c)  $A^T + A = 0$

Q.4  $\sim(p \wedge q)$  is

[1 M]

- a)  $(p \wedge q)$
- b)  $\sim(p \vee q)$
- c)  $\sim p \vee \sim q$

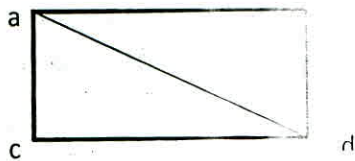
Q.5 The graph  $N_4$  is

[1 M]

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

Q.6 The degree of vertices a and b in the following graph is

[1 M]



- a) 3, 2
- b) 2, 2
- c) 3, 3

Q.7 Draw  $K_{2,3}$ .

[2 M]



Q.8 Solve the system of linear equation.

[2 M]

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

$$\begin{array}{r} x + y = 1 \\ 2x + y = 2 \\ \hline 3x + 2y = 3 \end{array}$$

\*\*\*\*\*





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

Duration: 50 minutes

Max. Marks: 10

Name of Student: Singh Gourav. G.

Roll No.: 6835

Date: 26/6/19

Instructions: 1) All questions are compulsory.

2) Figures to the right indicate full marks.

$\frac{6}{10}$

Q.1 If  $A = \begin{bmatrix} 1 & 2 \\ 0 & 0 \end{bmatrix}$  then

[1 M]

a)  $A^{-1}$  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  $E = \begin{bmatrix} 0 & 2 \\ 0 & 3 \end{bmatrix}$  then AB is

[1 M]

~~a)  $\begin{bmatrix} 0 & 8 \\ 0 & 4 \end{bmatrix}$~~

b)  $\begin{bmatrix} 3 & 2 \\ 2 & 8 \end{bmatrix}$

c)  $\begin{bmatrix} 2 & 8 \\ 4 & 0 \end{bmatrix}$

Q.3 The matrix A is symmetric if

[1 M]

~~a)  $A^T = A$~~

b)  $A^T = -A$

c)  $A^T + A = 0$

Q.4  $\sim(p \wedge q)$  is

[1 M]

- a)  $(p \wedge q)$
- b)  $\sim(p \vee q)$
- ~~c)  $\sim p \vee \sim q$~~

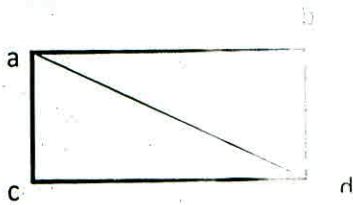
Q.5 The graph  $N_4$  is

[1 M]

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

Q.6 The degree of vertices a and b in the following graph is

[1 M]



- ~~a) 3, 2~~
- b) 2, 2
- c) 3, 3

Q.7 Draw  $K_{2,3}$ .

[2 M]



Q.8 Solve the system of linear equation.

[2 M]

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

$$\begin{array}{r} x + y = 1 \\ - 2x - y = 2 \\ \hline -x = -1 \end{array}$$

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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
			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 (FMG-I)	Mrs Atiya Khan

**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



Head,

Department of Mathematics

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**of Arts, Science and Commerce,  
Camp, Pune - 411001







Sr. no	Roll No	Name	2/7/18	27/7/18	3/7/18	21/7/19	2 <sup>nd</sup> Lect. 4/7/18	5/7/18
31	4616	Shaikh Nida	<del>Shaikh</del>	<del>Shaikh</del>	<del>Shaikh</del>	<del>Shaikh</del>	X	<del>Shaikh</del>
32	4702	Shaikh Nazneen	<del>Nazneen</del>	<del>Nazneen</del>	<del>Nazneen</del>	<del>Nazneen</del>	X	<del>Nazneen</del>
33	4605	Mujawar Simran	<del>Simran</del>	<del>Simran</del>	<del>Simran</del>	<del>Simran</del>	<del>Simran</del>	<del>Simran</del>
34	30216	Afsana Mulla	<del>Afsana</del>	<del>Afsana</del>	<del>Afsana</del>	<del>Afsana</del>	X	<del>Afsana</del>
35	4688	Khan Fauziya	<del>Fauziya</del>	<del>Fauziya</del>	<del>Fauziya</del>	<del>Fauziya</del>	<del>Fauziya</del>	<del>Fauziya</del>
36	4613	Khan Fiza	/	/	<del>Fhan</del>	X	<del>Fhan</del>	<del>Fhan</del>
37	4612	Shaikh Rehnuma	/	/	<del>Reh</del>	X	<del>Reh</del>	<del>Reh</del>
38	4680	Malleshe Archana	/	/	<del>Archana</del>	X	X	X
39	4681	Malleshe Chetna	/	/	<del>chetna</del>	X	X	X
40			/	/	/	X	X	X
41	30216	Afsana Mulla	<del>Afsana</del>	<del>Afsana</del>	<del>Afsana</del>	X	X	X
42	4676	Ansari Fayyaba	<del>Fayyaba</del>	<del>Fayyaba</del>	<del>Fayyaba</del>	<del>Fayyaba</del>	X	X
43	4676		/	/	/	X	X	X
44	4705	Md. Tahsin Raza shaikh	<del>Raza</del>	<del>Raza</del>	<del>Raza</del>	<del>Raza</del>	X	<del>Raza</del>
45	4632	Ashraf Shaikh	/	/	/	<del>Ashraf</del>	X	<del>Ashraf</del>
46	4685	Inamdar Muzammil	/	/	/	<del>Inamdar</del>	X	X
47	4684		/	/	/	X	X	X
48	4638	Kazi Mazhar	<del>Mazhar</del>	<del>Mazhar</del>	<del>Mazhar</del>	<del>Mazhar</del>	X	<del>Mazhar</del>
49	4619	Sayyad Aman	/	/	/	<del>Aman</del>	X	X
50	4680	Malleshe Archana	/	/	<del>Archana</del>	<del>Archana</del>	X	<del>Archana</del>
51	4681	Malleshe chetna	/	/	<del>chetna</del>	<del>chetna</del>	X	<del>chetna</del>
52	4707	Aarhi chavan	/	/	/	X	X	X
53	4621	Khan Ashique	/	/	/	X	X	<del>Ashique</del>
54			/	/	/	X	X	<del>Khan</del>
55			/	/	/	X	X	X
56			/	/	/	X	X	X
57			/	/	/	X	X	X
58			/	/	/	X	X	X
59			/	/	/	X	X	X
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61			/	/	/	X	X	X
62			/	/	/	X	X	X
63			/	/	/	X	X	X
64			/	/	/	X	X	X
65			/	/	/	X	X	X
66			/	/	/	X	X	X
67			/	/	/	X	X	X
68			/	/	/	X	X	X
69			/	/	/	X	X	X
70			/	/	/	X	X	X

Teacher In-charge:

*Ahmed*  
Atkhaque Ahmed.

*Anjad*  
Anjad Ghisri

*H*  
Head Department of Mathematics

NO. of Beneficiaries: 42

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



**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.	P.	.
2	Maya Biojokova	138	.	P	P
3	Jumakulyyeva Mahym	139	.	.	P
4	Saquib Habib Washerman	168	P	P	P.

No. of Beneficiaries: 04

  
**Head Department of Mathematics**

Anjuman Khalrul Islam's  
**Poona College**  
of Arts, Science and Commerce,  
Camp, Pune - 411001





M II MI MI MII MI M II

Sr. no	Roll No	Name	2/7	3/7	4/7	4/7	6/7	7/7
31	6111	Shaikh Aabiya	Aabiya	Aabiya	Aabiya	Aabiya	Aabiya	Aabiya
32	6105	Sayyed Soleha	<del>Calchah</del>	<del>Calchah</del>	<del>Calchah</del>	<del>Calchah</del>	<del>Calchah</del>	<del>Calchah</del>
33	6133	Sunilke Aijumand	<del>Aijumand</del>	<del>Aijumand</del>	<del>Aijumand</del>	<del>Aijumand</del>	<del>Aijumand</del>	<del>Aijumand</del>
34	6112	Khan Nida salim	Khan	Khan	Khan	Khan		Khan
35	6139	Bagwan Usama Ashfaq	@ Bag	@ Bag	@ Bag	@ Bag	@ Bag	@ Bag
36	6140	Shaikh Hadiya						
37	6158	Simran shaikh					Simran	Simran
38	6153	Parth Anam	<del>Arth</del>	<del>Arth</del>	<del>Arth</del>	<del>Arth</del>		<del>Arth</del>
39	6130	Sayyed Farhana	<del>Farh</del>	<del>Farh</del>	<del>Farh</del>	<del>Farh</del>		<del>Farh</del>
40	6109	Shaikh Muskan	<del>Muskan</del>	<del>Muskan</del>	<del>Muskan</del>	<del>Muskan</del>	<del>Muskan</del>	<del>Muskan</del>
41	6156	shoaib Mojawar	<del>Shoaib</del>	<del>Shoaib</del>	<del>Shoaib</del>	<del>Shoaib</del>	<del>Shoaib</del>	<del>Shoaib</del>
42	6150	Tamboli Adan	<del>Adan</del>	<del>Adan</del>	<del>Adan</del>	<del>Adan</del>	<del>Adan</del>	<del>Adan</del>
43	6148	M. Rijuan J. Sayyad	<del>Rijan</del>	<del>Rijan</del>	<del>Rijan</del>	<del>Rijan</del>	<del>Rijan</del>	<del>Rijan</del>
44	6119	ARYAN Asif. Momin					Arayan	Arayan
45	6144	Dubey samabh D	Dubey	Dubey	Dubey	Dubey	Dubey	Dubey
46	6152	Patel Sadique M			<del>patel</del>		<del>patel</del>	
47	6115	Sadik Shaikh	Sadik	Sadik	Sadik	Sadik	Sadik	Sadik
48	6123	Shoukh Arzan		Arzan	Arzan	Arzan	Arzan	Arzan
49	6121	Zariwala Abdul Rahman		<del>Rahman</del>	<del>Rahman</del>	<del>Rahman</del>	<del>Rahman</del>	<del>Rahman</del>
50	6147	Shaikh Aasham	<del>Aasham</del>	<del>Aasham</del>	<del>Aasham</del>	<del>Aasham</del>	<del>Aasham</del>	<del>Aasham</del>
51	6164	Sultan Khan					Sultan	Sultan
52	6155	Abhishek Khetekar				<del>Ab</del>	<del>Ab</del>	<del>Ab</del>
53	6116	Mehmoed Ansari			@ Ansari	@ Ansari	@ Ansari	@ Ansari
54	<del>6107</del>							
55	6129	Ayaan Khan	Ayan	Ayan	Ayan	Ayan	Ayan	Ayan
56	6125	Asad Ambekar	<del>Asad</del>	<del>Asad</del>	<del>Asad</del>	<del>Asad</del>	<del>Asad</del>	<del>Asad</del>
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NO. of Beneficiaries : 49

Teacher In-charge:

1) Sajjan Munzarin

2) Shaheen Shaikh

11/7/18

Head Department of Mathematics

Anjuman Khairul Islam's

Poona 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 : F4BSC (CS) Div B.

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

Name of the Teacher : Sajjan Munzarin  
& Shaikh Shaheen

Date : 2/7/18 to 7/7/18

Sr. no	Roll No	Name	M-II 4/7	M-I 4/7	M-I 6/7	M-II 6/7	M-II 7/7	M-I 7/7
01	6246	Mullo Sopiya.	S.H. Mullo	S.H. Mullo	S.H. Mullo	S.H. Mullo	S.H. Mullo	S.H. Mullo
02	6205	Tamboli Fiza	Fizamboli	Fizamboli	Fizamboli	Fizamboli	Fizamboli	Fizamboli
03	6203	Shaikh Misbah	Misbah	Misbah	Misbah	Misbah	Misbah	Misbah
04	6201	Shaikh Suwalika.	Suwalika	Suwalika	Suwalika	Suwalika	Suwalika	Suwalika
05	6238	Gaikwad Shiba	Shiba	Shiba	Shiba	Shiba	Shiba	Shiba
06	6251	Khan Alfiya	Alfiya	Alfiya	Alfiya	Alfiya	Alfiya	Alfiya
07	6212							
08	6237	Tamboli Misbah	Misbah	Misbah	Misbah	Misbah	Misbah	Misbah
09	6241	Akbar Irfan Tacle	Akbar	Akbar	Akbar	Akbar	Akbar	Akbar
10	6245							
11	6211	Sohail Tamboli.	Sohail	Sohail	Sohail	Sohail	Sohail	Sohail
12		Sahil Sardar						
13	6214	Maniyar Shradab	Shradab	Shradab	Shradab	Shradab	Shradab	Shradab
14	6215	Khan Arbaz	Arbaz	Arbaz	Arbaz	Arbaz	Arbaz	Arbaz
15	6219							
16	6249	Shaikh Aman	Aman	Aman	Aman	Aman	Aman	Aman
17	6221	Shaikh Khawaja	Khawaja	Khawaja	Khawaja	Khawaja	Khawaja	Khawaja
18	6210							
19	6206	Mohammed Bilal	Bilal	Bilal	Bilal	Bilal	Bilal	Bilal
20	6207	Sahil Sayyad	Sayyad	Sayyad	Sayyad	Sayyad	Sayyad	Sayyad
21	6233							
22	6227	shah shahbaz	shahbaz	shahbaz	shahbaz	shahbaz	shahbaz	shahbaz
23	6220							
24	6229							
25		Azharul Manzari						
26	6209	Chogle Sufiyan	Sufiyan	Sufiyan	Sufiyan	Sufiyan	Sufiyan	Sufiyan
27	6240	Dadarkar Talha	Talha	Talha			Talha	Talha
28	6202							
29	6236							
30	6224	Shaikh Sahil						

NO. of Beneficiaries : 43

Teacher In-charge :

1) Sajjan Munzarin

2) Shaheen Shaikh




11/7/18

Head Department of Mathematics

Anjuman Khairul Islam's

Poona College

of Arts, Science and Commerce,  
Camp, Pune - 411001







Y & M Anjuman Khairul Islam's

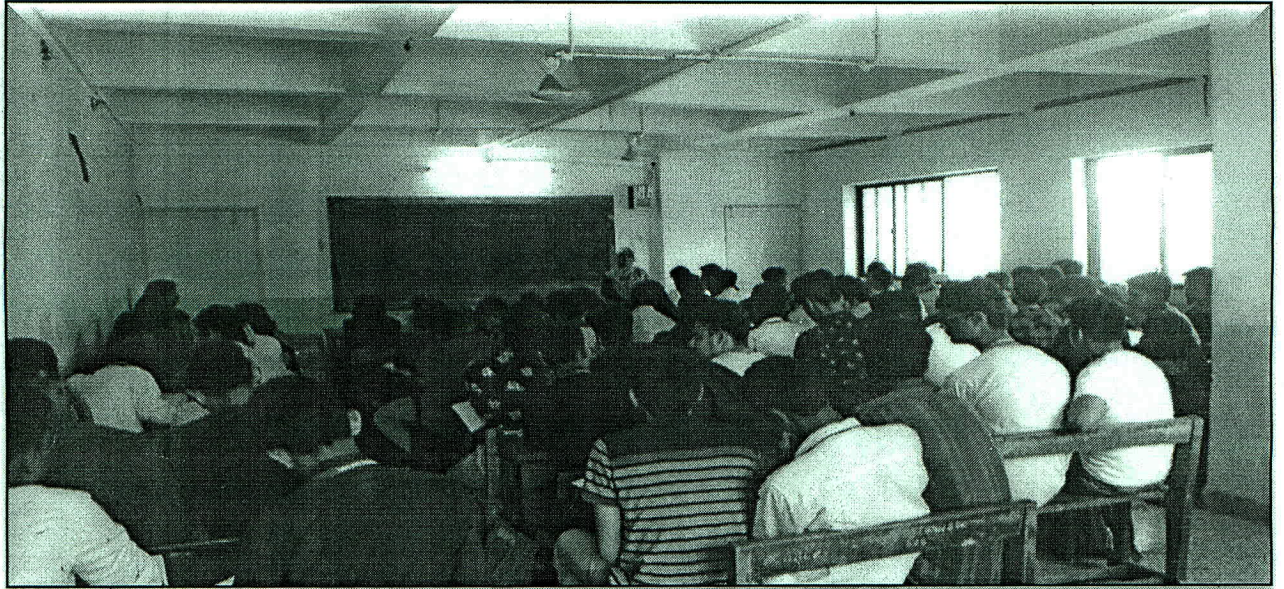
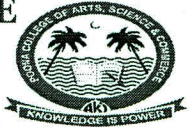
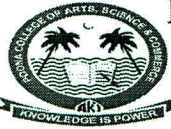
# POONA COLLEGE OF ARTS, SCIENCE AND COMMERCE

(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](mailto:principal@akipoonacollege.ac.in) Website: [www.akipoonacollege.ac.in](http://www.akipoonacollege.ac.in)



**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](mailto:principal@akipoonacollege.ac.in) Website: [www.akipoonacollege.ac.in](http://www.akipoonacollege.ac.in)





Y & M Anjuman Khairul Islam's  
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## Department of Mathematics

### Bridge Course (2018-19)

F. Y. B. Sc.

## Syllabus

<b>Unit 1: Sets and Relations</b>	<b>2 Lectures</b>
1.1 Operations on sets	
1.2 Relation	
<b>Unit 2: Two Dimensional Geometry</b>	<b>2 Lectures</b>
2.1 Translation of axes	
2.2 Rotation of axes	
<b>Unit 3: Real Numbers</b>	<b>1 Lecture</b>
3.1 Algebraic properties	
<b>Unit 4: Differentiation</b>	<b>2 Lectures</b>
4.1 Definition and examples of derivative	

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
Camp, Pune - 411001



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

Duration: 40 minutes

Max. Marks: 10

Name of Student: Mujawar Simran Dastagir Roll No.: 4605

Date: 05/07/2018

10/10

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  $A \times B =$  [1 M]

- 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]

- 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)  $ac < bc$

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)  $2x - \cos x$

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]

$a < b$

$ac < bc$  ---- ( $c > 0$ )

$c < d$

$bc < bd$  ---- ( $b > 0$ )

$\Rightarrow ac < bd$ .

\*\*\*\*\*



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

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Shaikh Faiza Md. Arif

**Roll No.:** 4606

**Date:** 5-7-2018

10/10 Ca

**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  $A \times B =$

[1 M]

- 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]

- 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)  $(3, 2)$



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- c)  $x = x', y = -y'$

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- b)  $ac > bc$
- c)  $ac = bc$

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

Q.8: If  $y = \sin^2 x$  then  $dy/dx =$  [1]

- 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]

2 ✓

$a < b$   
multiply by  $c$   
 $ac < bc$  — (1)

$c < d$   
multiply by  $b$   
 $bc < bd$  — (2)

$\Rightarrow ac < bd$

\*\*\*\*\*



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

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Aureshi Sabiha

**Roll No.:** 4607

**Date:** 5/7/2018

05/10 er

**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  $A \times B =$

[1 M]

- 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]

- 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]

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- b)  $x = -x', y = y'$
- c)  $x = x', y = -y'$

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

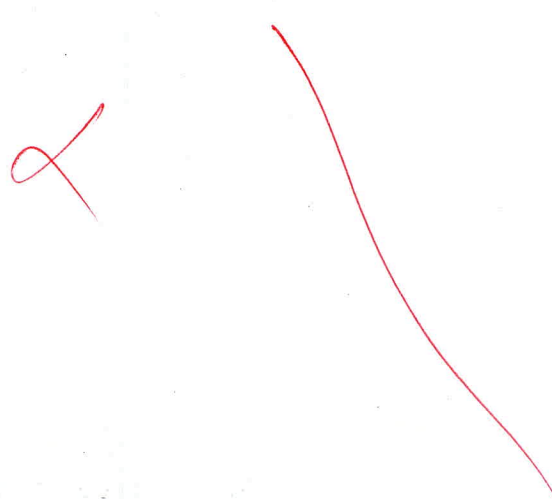
Q.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M]

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

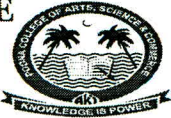
Q.8: If  $y = \sin^2 x$  then  $dy/dx =$

- 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]



\*\*\*\*\*



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

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** SHAIKH ASHFAQUR **Roll No.:** 4610

**Date:** 5-7-2018

06/10 u

**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  $A \times B =$

[1 M]

- 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]

- 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)  $ac < bc$
- ~~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)  $2x - \cos x$~~
- 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]

~~$a < b, c < d$~~

$ac > bc$

\*\*\*\*\*



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

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Harshal Rajgure

**Roll No.:** 4678

**Date:** 05-7-2018

06/10

**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  $A \times B =$

**[1 M]**

- 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]**

- 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)  $ac < bc$
- b)  $ac > bc$
- ~~c)  $ac = bc$~~

Q.7: If  $y = x^2 + \sin x$  then  $\frac{dy}{dx}$  is [1 M]

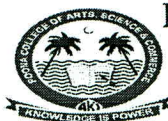
- ~~a)  $2x + \sin x$~~
- ~~b)  $2x - \cos x$~~
- ~~c)  $2x + \cos x$~~

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]

\*\*\*\*\*



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**  
**Bridge Course (2018-19)**  
**F. Y. B. Sc. (CS)**

**Syllabus**

<b>Unit 1: Discrete Mathematics</b>	<b>2 Lectures</b>
1.1 Logic and its properties	
1.2 Permutation and combination	
<b>Unit 2: Graph</b>	<b>2 Lectures</b>
2.1 Definition, properties of graph	
2.2 Types of graph	
<b>Unit 3: Algebra</b>	<b>2 Lectures</b>
3.1 Sets and relation	
3.2 GCD, LCM and prime numbers	
<b>Unit 4: Calculus</b>	<b>2 Lectures</b>
4.1 Continuity	
4.2 Operations on matrices	

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
Camp, Pune - 411001





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

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Bhaikh Asim Baeed

**Roll No.:** 6124

**Date:** 7-7-2018

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

2) Figures to the right indicate full marks.

$\frac{7}{10}$

Q.1  $\sim(p \vee q) \equiv$

[1M]

- a)  $(\sim p \wedge q)$   
 b)  $(\sim p \wedge \sim q)$   
c)  $\sim p \vee q$

Q.2 How many ways are there to arrange letters of the word "GOOD"?

[1M]

- a) 4!  
b) 3!  
 c) 12

Q.3 Total number of different photographs of 4 persons on 5 chairs is

[1M]

- a)  ${}^5P_5$   
b)  ${}^5P_4$   
c)  ${}^4C_4$

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]

- 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]

- a) Reflexive
- b) Symmetric
- c) Transitive

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

$$= 4, \quad \text{for } x = 2$$

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]

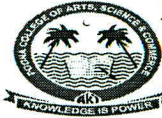
- a) 1
- b) 29
- c) 5

Q.10 Determinant of  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is [1M]

- a) 2
- b) -2
- c) 4

\*\*\*\*\*





**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.:** 6239

**Date:** 7/7/18

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

2) Figures to the right indicate full marks.

8  
10

Q.1  $\sim(p \vee q) \equiv$

[1M]

- a)  $(\sim p \wedge q)$   
b)  $(\sim p \wedge \sim q)$   
c)  $\sim p \vee q$

Q.2 How many ways are there to arrange letters of the word "GOOD"?

[1M]

- a) 4!  
b) 3!  
c) 12

Q.3 Total number of different photographs of 4 persons on 5 chairs is

[1M]

- a)  ${}^5P_5$   
b)  ${}^5P_4$   
c)  ${}^4C_4$

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]

- 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]

- a) Reflexive
- b) Symmetric
- c) Transitive

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

[1M]

$$= 4, \quad \text{for } x = 2$$

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

\*\*\*\*\*





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

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Ansari Arshad

**Roll No.:** \_\_\_\_\_

**Date:** 7/7/2018

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

**2)** Figures to the right indicate full marks.

8/8  
10/10

Q.1  $\sim(p \vee q) \equiv$

[1M]

a)  $(\sim p \wedge q)$

b)  $(\sim p \wedge \sim q)$

c)  $\sim p \vee q$

Q.2 How many ways are there to arrange letters of the word "GOOD"?

[1M]

a) 4!

b) 3!

c) 12

Q.3 Total number of different photographs of 4 persons on 5 chairs is

[1M]

a)  ${}^5P_5$

b)  ${}^5P_4$

c)  ${}^4C_4$

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]

- 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]

- a) Reflexive
- b) Symmetric
- c) Transitive

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

$$= 4, \quad \text{for } x = 2$$

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]

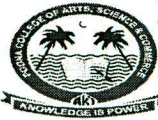
- a) 1
- b) 29
- c) 5

Q.10 Determinant of  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is [1M]

- a) 2
- b) -2
- c) 4

\*\*\*\*\*





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

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Aryan Asif Momin

**Roll No.:** 6119

**Date:** 7/7/2018

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

**2) Figures to the right indicate full marks.**

5/10

Q.1  $\sim(p \vee q) \equiv$

[1M]

a)  $(\sim p \wedge q)$

b)  $(\sim p \wedge \sim q)$  ✓

c)  $\sim p \vee q$

Q.2 How many ways are there to arrange letters of the word "GOOD"?

[1M]

a) 4! ✓

b) 3!

c) 12

Q.3 Total number of different photographs of 4 persons on 5 chairs is

[1M]

a)  ${}^5P_5$  ✓

b)  ${}^5P_4$

c)  ${}^4C_4$  ✗

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]

- a) 0
- b) 1 ✓
- c) 2

~~0~~ 0

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)  $\{1, 2, 2, 3, 4, 5\}$

~~0~~ 1

Q.7 The relation  $R = \{(1, 1), (2, 2), (3, 3)\}$  on  $A = \{1, 2, 3\}$  is

[1M]

- a) Reflexive ✓
- b) Symmetric
- c) Transitive

$(3,1), (1,2)$

~~0~~ 1

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)  $k = 4$

~~0~~ 0

Q.9 The GCD (29, 500) is

[1M]

- a) 1
- b) 29 ✓
- c) 5

~~0~~ 0

Q.10 Determinant of  $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$  is

[1M]

- a) 2 ✓
- b) -2
- c) 4

~~0~~ 0

\*\*\*\*\*





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

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** M. Rijwan Sayyad

**Roll No.:** 6148

**Date:** 7-7-2018

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

2) Figures to the right indicate full marks.

~~7/8~~  
10/10

Q.1  $\sim(p \vee q) \equiv$

[1M]

a)  $(\sim p \wedge q)$

b)  $(\sim p \wedge \sim q)$

c)  $\sim p \vee q$

Q.2 How many ways are there to arrange letters of the word "GOOD"?

[1M]

a) 4!

b) 3!

c) 12

Q.3 Total number of different photographs of 4 persons on 5 chairs is

[1M]

a)  ${}^5P_5$

b)  ${}^5P_4$

c)  ${}^4C_4$

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]

- 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]

- a) Reflexive
- b) Symmetric ✓
- c) Transitive

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

$$= 4, \quad \text{for } x = 2$$

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

\*\*\*\*\*



**Y & M**

**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.) Aftab Anwar Shaikh**

**Principal**

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

**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 Farooq Shaikh	
2	4106	Sana Bano Islam Shaikh	
3)	4108	SHAHID ASHFAQ FAKIH	
4)	4110	Sauvralin S Pathe	
5)	4107	Asiya Kadiz Khan	
6)	4128	Tanveer Yunus Shaikh	
7)	4131	Heena Salim Ansari	
8)	4134	MOHAMMAD ARIF KALIM SHAIKH	
9)	4137	Abdulrahman mustaqeem Shaikh	
10)	4140	AGSA PARVEZ DALAL	
11)	4144	Fajal Rabbi Pathan	
12)	4147	Shanbat Harun Shaikh	
13)	4149	SHAHID HARUN SHAIKH	
14)	4151	EBAD . F . SHAIKH	
15)	4154	Rahul Kapurchand Agarwal	
16)	4156	Rizee Sameer Shaikh	
17	4157	Ariket K Raghunanshi	
18)	4158	Insya shabbir Arsiwala	
19)	4161	SHAHID AYAZ SHAIKH	
20)	4163	Subhan Sahie Shaikh	
21)	4169	omkar vinod DESTMUKH	
22)	4174	SHASHODIA	
23)	4173	Ganesh K Chauhan	

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)	4179	HJOYSON	
25)	4181	Vidami Stone Kankuji	
26	4188	Amin Salim Inamdar	
27)	4190	Numan Zahur Boywan.	
28	4191	Faizan Molla	

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

- 10) Listening is badly affected by
- Message overload excess of listened material
  - High speed of talking
  - A sizeable hearing loss physiological problem
  - All of the above
- 11) Who cannot write a business letter to you?
- Restaurant
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  - Sports Team
- 12) Write True or False of the following:
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  - language development
  - skill development
  - personality development
- 14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_
- Discussion
  - Listening
  - case study method
  - all of the above
- 15) The information the receiver gets is called \_\_\_\_\_
- Message
  - Output
  - Input
  - Source
- 16) Communication is the \_\_\_\_\_ of business.
- Backbone
  - life blood
  - nervous system
  - both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
- reports in newspapers
  - reports through letters
  - oral communication
  - written communication
- 18) \_\_\_\_\_ means the right use of putting in points or stops in writing.
- Exclamation
  - semi colon
  - comma
  - full stop
- 19) An effort to influence the attitude and feeling of others is \_\_\_\_\_
- Persuasion
  - Suggestion
  - Advice
  - Appreciation
- 20) Good punctuave will not involve \_\_\_\_\_
- Rereading
  - Ambiguity
  - Both
  - 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

- 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
- 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
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  - c) case study method
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- 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

Tarveer 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
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- 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  
AQA P. DALAL  
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
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  - d) is Receiver understanding
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  - 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 \_\_\_\_\_
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- a) Rereading
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  - c) Both
  - d) 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
  - d) is Receiver understanding
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- 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.
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  - c) control and management
  - d) need
- 7) Audio-Visual communication is most suitable for mass \_\_\_\_\_ and mass \_\_\_\_\_
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  - c) Both
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# AKI's Poona College of Arts, Science & Commerce, Pune

## Business Communication Skills Bridge Course Test Paper

July 2017

4191 - Faizan Mulla

Instructions:

Total Marks: 40

1. Attempt any 20 questions
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- 1) The most important goal of business communication is \_\_\_\_\_
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**Y & M**

**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 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 Pooa 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
1)	5704	JAKIR AYUB SHAIKH	
2)	5708	Asif Altaf Sayyed	
3)	5710	Azhar Azim Shaikh	
4)	5713	Athar Ilyas Khan	
5)	5715	Gaous Zabeel Shaikh	
6)	5719	Zaid Khan	
7)	5724	Faraz Altaf Sayyed	
8)	5725	TOVSIF ALTAFA SHAIKH	
9)	5728	Zubair Gajrum Khan	
10)	5732	Umme Jameel Sikilka	
11)	5735	UZMA ARIF MOMIN	
12)	5738	Saniya Imtiaz Shaikh	
13)	5744	Abid Arif Shaikh	
14)	5748	Tasniya Raees Shaikh	
15)	5751	ARBAJ RAIS BIRAJDAR	
16)	5756	Nayab Anwar Shaikh	
17)	5758	Shakil Abbas Ansari	
18)	5759	Noman Jameel Sayyed	
19)	5764	ANAS ISHAQUE NADAF	
20)	5766	NURHUSEN AZIZ SHAIKH	
21)	5772	Zeeshaan Jalal Sayyed	
22)	5774	Shahadat Saifur Rahman Sufi	
23)	5777	Madin Abdul Shaikh	

Faculty In-Charge: Mrs. MahanAara 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	
25)	5781	Jabal Taher Khan	
26)	5786	Rifat Ahsan Sayyed	

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

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2. Each question carries 2 marks

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  - 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
- Message overload excess of listened material
  - High speed of talking
  - A sizeable hearing loss physiological problem
  - All of the above
- 11) Who cannot write a business letter to you?
- Restaurant
  - Shopping mall
  - Friend
  - Sports Team
- 12) Write True or False of the following:
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  - It is not necessary to have polite manners for a leader
- 13) Realizing the potential of the self is part of the
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  - language development
  - skill development
  - personality development
- 14) A group discussion of a real life situation with in a training environment is \_\_\_\_\_
- Discussion
  - Listening
  - case study method
  - all of the above
- 15) The information the receiver gets is called \_\_\_\_\_
- Message
  - Output
  - Input
  - Source
- 16) Communication is the \_\_\_\_\_ of business.
- Backbone
  - life blood
  - nervous system
  - both (1) & (2)
- 17) Press reports refers to \_\_\_\_\_
- reports in newspapers
  - reports through letters
  - oral communication
  - written communication
- 18) \_\_\_\_\_ means the right use of putting in points or stops in writing.
- Exclamation
  - semi colon
  - comma
  - full stop
- 19) An effort to influence the attitude and feeling of others is \_\_\_\_\_
- Persuasion
  - Suggestion
  - Advice
  - Appreciation
- 20) Good punctuation will not involve \_\_\_\_\_
- Rereading
  - Ambiguity
  - Both
  - Misunderstanding

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

## Business Communication Skills Bridge Course Test Paper

July 2016

5728 - Zubair G. Khan

### 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
- 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 \_\_\_\_
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  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver



- 10) Listening is badly affected by
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  - c) A sizeable hearing loss physiological problem
  - d) All of the above
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  - c) Friend
  - d) Sports Team
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  - c) Seminars and Presentations are same
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  - c) skill development
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- a) Discussion
  - b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_
- a) Message
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  - d) Source
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  - c) Advice
  - d) Appreciation
- 20) Good punctuave 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

- 1) The most important goal of business communication is \_\_\_\_\_
  - a) Favourable relationship between sender and receiver
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  - c) Receiver response
  - d) is Receiver understanding
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  - c) salutation
  - d) body copy
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  - c) Loose
  - d) Double
- 5) The \_\_\_\_\_ of business letter is called layout.
  - a) Body
  - b) Content
  - c) Pattern
  - d) All of the above
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  - b) skill and personality development.
  - c) control and management
  - d) need
- 7) Audio-Visual communication is most suitable for mass \_\_\_\_\_ and mass \_\_\_\_\_
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  - b) policies & political.
  - c) save & store
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  - b) Audience
  - c) Feedback
  - d) Channel
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  - b) Source, Receiver, Channel, Message
  - c) Source, Message, Receiver, Channel
  - d) Source, Message, Channel, Receiver



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  - d) personality development
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  - b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_
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  - c) Input
  - d) Source
- 16) Communication is the \_\_\_\_\_ of business.
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  - c) nervous system
  - d) both (1) & (2)
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- a) reports in newspapers
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  - c) oral communication
  - d) written communication
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- a) Exclamation
  - b) semi colon
  - c) comma
  - d) full stop
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- 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
  - 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
  - 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
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- 12) Write True or False of the following:
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- a) Discussion
  - b) Listening
  - c) case study method
  - d) all of the above
- 15) The information the receiver gets is called \_\_\_\_\_
- a) Message
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- 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

### 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
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  - c) salutation
  - d) body copy
- 3) The following is (are) non-verbal communication
  - a) Facial Expression
  - b) Appearance
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  - d) All of the above
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- 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
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  - 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 Misba Zakira Momin

5780

### Instructions:

Total Marks: 40

1. Attempt any 20 questions
2. Each question carries 2 marks

- 1) The most important goal of business communication is \_\_\_\_\_
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  - b) Ambiguity
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# AKI's Poona College of Arts, Science & Commerce, Pune

## Business Communication Skills Bridge Course Test Paper

July 2016 5710-Azhar Azim Shaikh

### 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
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  - c) Both
  - d) Misunderstanding



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)

## *Department of Mathematics*

### Bridge Course (2015-16)

*F. Y. B. Sc.*

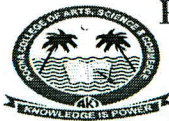
## Content

<b>Unit 1: Sets and Relations</b>	<b>1 Lecture</b>
1.1 Sets and Relation	
<b>Unit 2: Two Dimensional Geometry</b>	<b>1 Lecture</b>
2.1 Translation and Rotation of axes	
<b>Unit 3: Differentiation</b>	<b>1 Lectures</b>
3.1 Definition and examples of derivative	
<b>Unit 4: Differential Equation</b>	<b>1 Lectures</b>
4.1 Definition and examples of differential equations	

**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: Bridge Course (2015-16)**

**F. Y. B. Sc.**

Duration: 40 minutes

Max. Marks: 10

Name of Student: Imtiyaz Ahmed

Roll No.: 4704

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

- 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)  $y = \cos x + c$

\*\*\*\*\*



Department of Mathematics  
**Assessment Test: Bridge Course (2015-16)**  
**F. Y. B. Sc.**

**Duration: 40 minutes**

**Max. Marks: 10**

**Name of Student:** Shaikh Anam Fatima **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  $A \times B =$

- 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  $90^0$  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:

- 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)  $y = \cos x + c$

\*\*\*\*\*



Department of Mathematics  
**Assessment Test: Bridge Course (2015-16)**  
**F. Y. B. Sc.**

Duration: 40 minutes

Max. Marks: 10

Name of Student: Rubina Parveen Roll No.: 4708

Date: \_\_\_\_\_

**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:

- 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)  $y = \cos x + c$

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Department of Mathematics  
**Assessment Test: Bridge Course (2015-16)**  
**F. Y. B. Sc.**

Duration: 40 minutes

Max. Marks: 10

Name of Student: Azhar Shaikh Roll No.: 4732

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

- a) 1
- b)  $\frac{1}{e}$
- ~~c)  $-\frac{1}{e^2}$~~

$\frac{1}{x}, +x^{-1}, -1x^{-1-1}$

Q.9: If  $y = \sin^2 x$  then  $dy/dx =$

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

$2 \sin x$

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

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

$\frac{dy}{dx} / \cos x = 1$

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Department of Mathematics  
**Assessment Test: Bridge Course (2015-16)**  
**F. Y. B. Sc.**

Duration: 40 minutes

Max. Marks: 10

Name of Student: Arbaz Bagwan Roll No.: 4770

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

- 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)  $y = \cos x + c$

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**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	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



HOD

Department of Mathematics

**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
Camp, Pune - 411001

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.

Sr.No.	Roll No.	Name of the Students	2/07	03/07	04/07
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	.	P
6	5838	Shaikh Abdul	A		
7	5830	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	.
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	.
16	5820	Shaikh Naufil Javed	P	P	.
17	5821	Mujawar Tanveer	.	P	P
18	5823	Mulla Afifa Irshad	P	P	P
19	5824	Khan Rayyan	P	P	P
20	5825	Shaikh Irfan	P	P	P
21	5828	Khan Abdul Hanan	P	P	P
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
26	5837	Shaikh Abrar	P	.	P
27	5839	Anikit Londe	P	P	P
28	5840	Shaikh Saniya Usman			
29	5843	Sangare Parmita Arun	.	.	P
30	5844	Shaikh Amir	P	P	P
31	5845	Shaikh Afridee	P	P	.
32	5846	Shaikh Zubair	P	.	P
33	5847	Sayyed Salman Shahnawaz	P	.	.



Sr.No.	Roll No.	Name of the Students	02/07	03/07	04/07
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	.	.	P
39	5855	Moulvi Shifa	P	P	P
40	5857	Sayyed Asad Samad	P	P	P
41	5859	Shaikh Obed	.	.	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	.
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	.	.	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	.
57	5918	Shaikh Junaid	P	P	.

Shaikh Sajeda Ikhtiyarali

Total NO. of Students: 55

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

**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course (2015-16)**  
**F.Y.B.Sc (CS)**  
**Syllabus**

**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**

**3 Lectures**

- 2.1 Sets and relation
- 2.2 Continuity
- 2.3 GCD, LCM and derivatives



**Head Department of Mathematics**

Anjuman Khairul Islam's

**Poona College**

of Arts, Science and Commerce,  
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**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course**  
**F.Y.B.Sc (CS)**

**TEST**

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Asrad Sallu Shaikh

**Roll No.:** 5905

**Date:** 4/7/2015

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

2) Figures to the right indicate full marks.

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Q.1  $(p \wedge q) \rightarrow p$  is

[1M]

- a) Tautology
- b) Contradiction
- c) Contingency

6/8  
10/10

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

Q.4 Total number of different photographs of 5 persons on 7 chairs is [1M]

- a)  ${}^7P_5$
- b)  ${}^7C_5$
- c)  ${}^7C_7$

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

[1M]

- a) Reflexive
- b) Symmetric
- c) Transitive

Q.8 Let  $f(x) = x + k$ , for  $1 < x < 2$   
 $= 4$ , for  $x = 2$

[1M]

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]

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**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course**  
**F.Y.B.Sc (CS)**

**TEST**

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Shifa S. Moulvi

**Roll No.:** 5855

**Date:** 4/7/2015

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

2) Figures to the right indicate full marks.

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Q.1  $(p \wedge q) \rightarrow p$  is

[1M]

- a) Tautology
- b) Contradiction
- c) Contingency

$p \quad q$

$\frac{7}{10}$

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]

[1M]

- a) 10
- b) 20
- c) 30

Q.4 Total number of different photographs of 5 persons on 7 chairs is [1M]

[1M]

- a)  ${}^7P_5$
- b)  ${}^7C_5$
- c)  ${}^7C_7$

Q.5 The degree of isolated vertex is [1M]

[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 [1M]

- a) Reflexive
- b) Symmetric
- c) Transitive

$(3,1), (1,2)$



Q.8 Let  $f(x) = x + k$ , for  $1 < x < 2$  [1M]  
 $= 4$ , for  $x = 2$

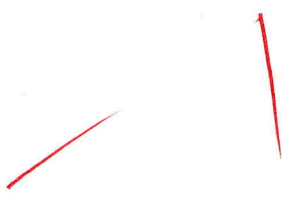
If  $f(x)$  is continuous at  $x = 2$  then

- 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 Find the fifth derivative of  $\sin x$ . [1M]

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**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course**  
**F.Y.B.Sc (CS)**

**TEST**

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student: Afzaleen Azid Shaikh**

**Roll No.: 5845**

**Date: 17/4/2015 4-7-2015**

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

**2) Figures to the right indicate full marks.**

Q.1  $(p \wedge q) \rightarrow p$  is

- a) Tautology ✓
- b) Contradiction
- c) Contingency

[1M]

Q.2  $\sim(\sim p) \equiv$

- a)  $\sim(\sim p)$
- b)  $\sim(p)$
- c)  $p$  ✓

[1M]

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 persons on 7 chairs is [1M]

- a)  ${}^7P_5$  ✓
- b)  ${}^7C_5$
- c)  ${}^7C_7$

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 [1M]

- a) Reflexive ✓  $(3,1), (1,2)$
- 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)  $k = 1$
- 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]

$$\begin{aligned} y &= \sin x \\ y' &= \cos x \\ y'' &= -\sin x \\ y''' &= -\cos x \\ y^{iv} &= \sin x \\ y^v &= \cos x \end{aligned}$$

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**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course**  
**F.Y.B.Sc (CS)**

**TEST**

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Shahikh Irfan Wahid

**Roll No.:** 5825

**Date:** 4/7/2015

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

2) Figures to the right indicate full marks.

Q.1  $(p \wedge q) \rightarrow p$  is

- a) Tautology
- b) Contradiction
- c) Contingency

8/10 ~~9/10~~ [1M]

Q.2  $\sim(\sim p) \equiv$

- a)  $\sim(\sim p)$
- b)  $\sim(p)$
- c)  $p$

[1M]

Q.3 How many ways are there to arrange letters of the word "MADAM"? [1M]

- a) 10
- b) 20
- c) 30

0

Q.4 Total number of different photographs of 5 persons on 7 chairs is [1M]

- a)  ${}^7P_5$
- b)  ${}^7C_5$
- c)  ${}^7C_7$

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 [1M]

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- b) Symmetric
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$(3,1), (1,2)$

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$$= 4, \quad \text{for } x = 2$$

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

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- a) 1
- b) 29
- c) 5

Q.10 Find the fifth derivative of  $\sin x$ . [1M]

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**AKI's**  
**Poona college of Arts, Science and Commerce**  
**Department of Mathematics**  
**Bridge Course**  
**F.Y.B.Sc (CS)**

**TEST**

**Duration: 50 minutes**

**Max. Marks: 10**

**Name of Student:** Bamne Agda Faziluddin

**Roll No.:** 54818

**Date:** 4/7/2015

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

2) Figures to the right indicate full marks.

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Q. 1  $(p \wedge q) \rightarrow p$  is

- a) Tautology ✓
- b) Contradiction
- c) Contingency

[1M]

Q.2  $\sim(\sim p) \equiv$

- a)  $\sim(\sim p)$
- b)  $\sim(p)$
- c)  $p$  ✓

[1M]

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- b) 20
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[1M]

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b) Symmetric

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[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]

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