



Royal Education Society's
COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY,
LATUR

ATTENDANCE SHEET

Date 03 To 07-04-2017
 Examination Remedial Pre Semester April 2017

Class B.Sc (BT) FY A To A

Roll No	Name of Student	Signature
		Funda. Of Chem. S1.5
1	BABLSURE DIPALI VILAS	Dipali
2	BARSAMWAR PAVAN SHANKAR	Pavans
3	BHALERAO KUNAL SUBHASH	Kunal
4	CHATE UDHAV BALAJI	Udhav
5	CHAVAN ABARAO KANTIRAM	Abarao
6	DALE TEJAL GOVARDHAN	Tejal
7	DHADE RUSHIKESH PRALHAD	Rushikesh
8	GAIKWAD PRADUMN TUKARAM	Pradumn
9	GAIKWAD SUVARNA GOVIND	Suvarna
10	GHOLAP AARTI ANAND	Aarti
11	GUNALE REVATI BHANDUR	AA
12	GUNJOTE PRADIP VISHWANATH	Pradip
13	GURAV RUSHIKESH HINGALA	Rushikesh
14	HANGE TUKARAM VAIJNATH	Tukaram
15	JADHAV ATUL LIMBRAJ	AA
16	JANGALE ABHAY SHRIHARI	Abhay
17	KARDILE PALLAVI GOVINDRAO	Pallavi
18	KHALANGRE VISHAL VYANKATRAO	AA
19	KHURESHI NAJIB ABDULHAMIDSAB	Najib
20	KOKATE RAVI BALAJI	Ravi
21	MAHAJAN GOVIND DILIPRAO	Govind
22	MHETRE SATISH VENKAT	Satish
23	MHETRE SURAJ TUKARAM	Suraj
24	MORE MANOJ NAGNATH	Manoj
25	MORE PRUTHAVIRAJ SHRIMANT	Pruthaviraj
Sr No		Funda. Of Chem.
1	Total Present	
2	Total Absent	
3	Total No Of Student	
Invigilators Name & Signature		





ATTENDANCE SHEET

Examination Remedial Pre Semester April 2017

Date 03 To 07-04-2017

Class B.Sc (BT) FY A To A

Roll No	Name of Student	Signature
		Micro Bio
		S1.4
1	ADSUL MAULI TUKARAM	Mauli
2	BARSAMWAR PAVAN SHANKAR	AA
3	BHALERAO KUNAL SUBHASH	AA
4	BODKE PARMESHWAR BALIRAM	Parmeshwar
5	CHATE UDHAV BALAJI	Udhav
6	CHAVAN ABARAO KANTIRAM	Abharao
7	CHITKALWAR TANUSHREE BALAJI	Tanushree
8	DALE TEJAL GOVARDHAN	Tejal
9	DHADE RUSHIKESH PRALHAD	Rushikesh
10	DORVE TANAJI DATTATRYA	Tanaji
11	GAIKWAD PRADUMN TUKARAM	Pradumn
12	GAIKWAD SUVARNA GOVIND	Suvarna
13	GAVLI POOJA ASHOK	Pooja
14	GHOLAP AARTI ANAND	Aarti
15	GUNALE REVATI BHANDUR	Revati
16	GUNJOTE PRADIP VISHWANATH	Pradip
17	GURAV RUSHIKESH HINGALA	Rushikesh
18	HANGE TUKARAM VAJINATH	Tukaram
19	JADHAV ATUL LIMBRAJ	AA
20	JANGALE ABHAY SHRIHARI	Abhay
21	KAMBLE AISHWARYA BHANUDAS	Aishwarya
22	KARDILE PALLAVI GOVINDRAO	Pallavi
23	KASALE AKSHAYA RAVIKANT	Akshaya
24	KHALANGRE VISHAL VYANKATRAO	Vishal
25	KHURESHI NAJIB ABDULHAMIDSAB	Najib
Sr No		Micro Bio
1	Total Present	
2	Total Absent	
3	Total No Of Student	
Invigilators Name & Signature		





Royal Education Society's

COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY,
LATUR

ATTENDANCE SHEET

Examination Remedial Pre Semester April 2017

Date 03 To 07-04-2017
Class B.Sc (BT) FY A To A

Roll No	Name of Student	Signature
		Intro. BT
		S1.2
1	ADSUL MAULI TUKARAM	Mauli
2	BARSAMWAR PAVAN SHANKAR	AA
3	BHALERAO KUNAL SUBHASH	AA
4	BODKE PARMESHWAR BALIRAM	Parmeshwar
5	CHATE UDHAV BALAJI	Udhav
6	CHAVAN ABARAO KANTIRAM	Abharao
7	DALE TEJAL GOVARDHAN	Tejal
8	DHADE RUSHIKESH PRALHAD	Rushikesh
9	DORVE TANAJI DATTATRYA	Tanaji
10	GAIKWAD PRADUMN TUKARAM	Pradumn
11	GHOLAP AARTI ANAND	Aarti
12	GUNALE REVATI BHANDUR	Revati
13	GUNJOTE PRADIP VISHWANATH	Pradip
14	HANGE TUKARAM VAIJNATH	Tukaram
15	JADHAV ATUL LIMBRAJ	AA
16	JANGALE ABHAY SHRIHARI	Abhay
17	KARDILE PALLAVI GOVINDRAO	Pallavi
18	KASALE AKSHAYA RAVIKANT	Akshaya
19	KHALANGRE VISHAL VYANKATRAO	AA
20	KHURESHI NAJIB ABDULHAMIDSAB	AA
21	KOKATE RAVI BALAJI	Ravi
22	MHETRE SATISH VENKAT	Satish
23	MHETRE SURAJ TUKARAM	Suraj
24	MORE MANOJ NAGNATH	Manoj
25	MURGE RUSHIKESH RAJKUMAR	AA
Sr No		Intro. BT
1	Total Present	
2	Total Absent	
3	Total No Of Student	
	Invigilators Name & Signature	





Royal Education Society's
COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY,
LATUR

ATTENDANCE SHEET

Examination Remedial Pre Semester April 2017

Date 03 To 07-04-2017
Class B.Sc (BT) FY A To A

Roll No	Name of Student	Signature
		English Sl.1
1	ADSUL MAULI TUKARAM	Mauli Pavan
2	BARSAMWAR PAVAN SHANKAR	AA
3	BHALERAO KUNAL SUBHASH	Parmeshwar
4	BODKE PARMESHWAR BALIRAM	Utkarsh
5	CHATE UDHAV BALAJI	Abharao
6	CHAVAN ABARAO KANTIRAM	Tanushree
7	CHITKALWAR TANUSHREE BALAJI	Tejal
8	DALE TEJAL GOVARDHAN	Rushikesh
9	DHADE RUSHIKESH PRALHAD	Pradumn
10	GAIKWAD PRADUMN TUKARAM	Surbana
11	GAIKWAD SUVARNA GOVIND	Pooja
12	GAVLI POOJA ASHOK	Aarti
13	GHOLAP AARTI ANAND	Revati
14	GUNALE REVATI BHANDUR	Rushikesh
15	GURAV RUSHIKESH HINGALA	Tukaram
16	HANGE TUKARAM VAJINATH	AA
17	JADHAV ATUL LIMBRAJ	Abhaya
18	JANGALE ABHAY SHRIHARI	Aishwarya
19	KAMBLE AISHWARYA BHANUDAS	Pallavi
20	KARDILE PALLAVI GOVINDRAO	Vishal
21	KHALANGRE VISHAL VYANKATRAO	Najib
22	KHURESHI NAJIB ABDULHAMIDSAB	Ravi
23	KOKATE RAVI BALAJI	Arvind
24	MAHAJAN GOVIND DILIPRAO	Satish
25	MHETRE SATISH VENKAT	
Sr No		English
1	Total Present	
2	Total Absent	
3	Total No Of Student	
	Invigilators Name & Signature	



Royal Education Society's

[Govt. of Maharashtra approved, affiliated to S.R.T. Marathwada University, Nanded and included under Section 2(F) and 12(B) of U.G.C. Act 1956]

COLLEGE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY (COCSIT), LATUR
संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय (कॉक्सिट), लातूर.

Ambajogai Road, LATUR-413531 (Maharashtra)

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Principal
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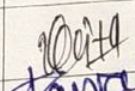
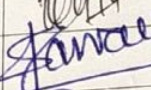
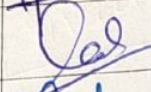

Ref. No.:
Date :

Date: 27/03/2017

NOTICE

All UG F.Y students of Computer Science and Biotechnology Departments are informed that the Remedial Pre Semester Exam will be conducted on 03/04/2017 to 07/04/ 2017. Time Table is attached here with.


Principal
V.C. PRINCIPAL
College of Computer Science
and Information Technology, Latu

Sr. No.	Hall No.	Class	Lecturer Name	Sign
1	101	B.Sc(CS) FY	V. M. Motegonkar	
2	111	B.Sc(SE) FY	G. B. Pawar	
3	115	BCAFY	L. R. Hawale	
4	210	B.Sc(BT) FY	K. S. Gomasal	

Royal Education Society's
COLLEGE OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY, LATUR

Remedial Pre Semester Time Table

April 2017

Day	03/04/2017 Monday	04/04/2017 Tuesday	05/04/2017 Wednesday	06/04/2017 Thursday	07/04/2017 Friday
CLASS /TIME	10:00 to 01:00	10:00 to 01:00	10:00 to 01:00	10:00 to 01:00	10:00 to 01:00
BCA FY	Basic of CS	CS-I		DBMS	Web Tech
BSC (CS) FY	Basic of CS	CS-I		Digital Logic	STCS
BSC (SE) FY	Basic of CS	CS-I		Digital Logic	STCS
BSC (BT) FY	CS	Intro to BT	Basic Biosci	Micro BIO-I	Funda.of Chem

Exam Committee


Principal
 I/C, PRINCIPAL
 College of Computer Science
 and Information Technology, Latur

Remedial Pre Semester Seating Arrangement

April 2017

Sr. no	Hall no	Class
1	101	BCA FY
2	102	B.Sc(CS) FY
3	105	B.Sc(SE) FY
4	106	B.Sc(BT) FY


Exam Department


Principal
I/C. PRINCIPAL
College of Computer Science
and Information Technology, Latur

[This question paper contains 2 Printed Pages]

Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

B. Sc. CS First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Communication and Soft Skills-I (S1.2)

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Sentence Elements
- b) Types of Clauses
- c) Verbal Communication
- d) Soft Skills Vs Hard Skills
- e) Define Group Discussion and Explain its Nature
- f) SQ3R Reading Techniques
- g) Email Writing Dos and Don'ts

Q. 2 Attempt any Two of the following (5 Marks each) (10)

- a) Give basic sentence structures with example
- b) Explain tenses with examples.
- c) i. Give the synonyms: a) enemy b) brave
ii. Give antonyms: a) friendly b) praise
iii. Explain the phrase with example: 'at ease'

Q. 3 Attempt any Two of the following (5 Marks each) (10)

- a) What are the barriers to communication?
- b) Explain the principles of effective communication.
- c) Define Communication and explain its importance.

Q. 4 Answer any Two of the following (5 Marks each) (10)

- a) Write a dialogue between Raj and Shashvat, and invite Raj to Shashvat's birthday party using greetings.
- b) Define leadership and explain the qualities of leader.
- c) What is soft skill? Explain any five soft skills.

Q. 5 Attempt any Two of the following (5 Marks each) (10)

- a) What are the prerequisites of the candidate to succeed in group discussion?
- b) What are the ways to resolve the conflict?
- c) Explain job interview in detail.

Q. 6 Attempt any Two of the following (5 Marks each) (10)

- a) What are the different styles of reading?
- b) What is the difference between Active and Passive Reading
- b) Loud Reading Vs Silent Reading

Q. 7 Attempt any Two of the following (5 Marks each) (10)

- a) Write an application letter to the principal for the post lecturer.
- b) Write an invitation letter to the Mayor of Municipal Corporation for the Prize-distribution ceremony at your college.
- c) Write resume for the post of software developer.



P. T. O.

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BEST OF LUCK!!!

[This question paper contains 2 Printed Pages]

Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B Sc. CS (Second Year) (Semester III)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

(S3.1) Web Technology

(03/09/2016)

Time: 10.00 a.m. to 1.00p.m.

Time: Three Hours

Maximum marks - 80

N.B:- (i) All questions are compulsory.

(ii) Assume suitable data if necessary.

(iii) Figures to the right indicate full marks.

Q.1 Attempt of the following: 20

- Define web Browser
- Explain BODY tag with attribute.
- Explain Row span & cols pan
- How to linking to audio & video.

Q.2 a) Explain how to insert images in HTML. 8

b) Explain the phases of web development in detail. 7

OR

c) Describe the HTML as structural language 8

d) Explain list in HTML 7

Q.3 a) Explain creating table & table format in dream weaver. 8

b) Explain how work form in HTML. 7

OR

c) Describe rollover image in dream weaver 8

d) Explain formatted & unformatted text in detail. 7

Q.4 a) Explain banner ads in dream weaver. 8

b) Explain frameset & frame in dream weaver. 7

P.T.O.

OR

c) Explain embedded sound & music in dream weaver. 8

d) Explain dream weaver interface in detail. 7

Q.5 Write short notes on (Any three) 15

i) Real media.

ii) <Pre> tag

iii) Tool bars in dream weaver.

iv) URL

v) Web server.

BEST OF LUCK!!!



[This question paper contains 2 Printed Pages]

Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES
[CBCS PATTERN]

B Sc. CS First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017
STCS (S1.4)

Time: 10.00 a.m. to 01.00p.m.

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Non-programmable calculator allowed.

Q.4 Answer any Two of the following (5 Marks each) (10)

- a) Explain measures of central tendency
- b) Calculate median from the following data.

Variable	9	20	25	40	50	80
Freq.	4	6	16	8	7	2

c) Define mode, writes its merits & demerits.

Q.5 Attempt any Two of the following (5 Marks each) (10)

- a) Explain measures of dispersion.
- b) Calculate SD from the following data.
61,68,69,70,63,60,78

c) Calculate coefficient of variation from the following data.

Class	0-20	20-40	40-60	60-80	80-100
Freq.	5	12	32	40	11

Q.6 Attempt any Two of the following (5 Marks each) (10)

- a) Explain event.
- b) Prove that $P(A \cup B) = P(A) + P(B) - P(A \cap B)$
- c) Explain Sample space.

Q.7 Attempt any Two of the following (5 Marks each) (10)

- a) Explain scatter diagram.
- b) Explain correlation.
- c) Calculate coefficient of correlation from the following data.

X	10	12	13	17	18
Y	5	6	7	9	13



Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Define statistics.
- b) Explain data.
- c) Define mean write its merits, demerits.
- d) Explain standard deviation.
- e) Explain regression.
- f) Explain permutation.
- g) Prove that $P(A \cup B) = P(A) + P(B)$.

Q.2 Attempt any Two of the following (5 Marks each) (10)

- a) Write scope of statistics in computer science.
- b) Write importance of statistics.
- c) Write limitation of statistics.

Q.3 Attempt any Two of the following (5 Marks each) (10)

- a) Explain simple & subdivided bar diagram.
- b) Explain histogram with suitable example.
- c) Explain pie diagram with suitable example.

Time:- Three Hours

Time:10:00 a.m. to 1:00p.m

Max. Marks:- 75

Instructions to the candidates:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone and digital diary is not permitted.

Q.1. Attempt any five of the following: (3 marks each) (15)

- a) Explain hexadecimal number system in short with examples.
- b) What is Signal? Explain digital signal.
- c) Draw and explain 1-bit memory cell.
- d) Draw and explain half adder.
- e) Explain flag register of 8085 microprocessor.
- f) Define 2's complement method with one example of subtraction.
- g) Explain EX-OR and EX-NOR gates.

Q.2. Attempt any two of the following: (5 marks each) (10)

- a) State and prove De-Morgan's theorems.
- b) Why NAND and NOR are called as Universal gates?
- c) Explain OR and NOT gate.

Q.3. Attempt any two of the following: (5 marks each) (10)

a) Convert the following:

1. $(289.245)_{10} = (?)_{16}$

3. $(10101011.1111)_2 = (?)_8$

2. $(ACD.9FD)_{16} = (?)_{10}$

- b) Explain Gray code with examples.
- c) Explain how Hamming code is used as error detecting and correcting code?

Q.4. Attempt any two of the following: (5 marks each) (10)



- a) Simplify the following equation using K-Map:
 $Y = \sum m(0, 2, 3, 5, 7, 8, 10, 12, 13, 14, 15)$
- b) What is multiplexer? Explain any one type of multiplexer.
- c) Define Encoder. Explain its type.

Q.5. Attempt any two of the following: (5 marks each) (10)

- a) what is Flip-Flop? Explain clocked SR-FF.
- b) Draw and explain D-Type FF.
- c) Explain in short Master-Slave FF.

Q.6. Attempt any two of the following: (5 marks each) (10)

- a) Draw and explain SIPO shift register.
- b) Define counter. Draw and explain any type of asynchronous counter.
- c) Explain MOD-9 counter.

Q.7. Attempt any two of the following: (5 marks each) (10)

- a) Draw block diagram of 8085 microprocessor.
- b) Explain ALU
- c) Draw and explain any type of A/D converter.



[This question paper contains 2 Printed Pages]

Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

B. Sc. SE First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Communication and Soft Skills-I (S1.2)

Time: 10.00 a.m. to 01.00p.m.

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
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3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Sentence Elements
- b) Types of Clauses
- c) Verbal Communication
- d) Soft Skills Vs Hard Skills
- e) Define Group Discussion and Explain its Nature
- f) SQ3R Reading Techniques
- g) Email Writing Do's and Don'ts

Q. 2 Attempt any Two of the following (5 Marks each) (10)

- a) What are the barriers to communication?
- b) Explain the principles of effective communication.
- c) Define Communication and explain its importance.

Q. 3 Answer any Two of the following (5 Marks each) (10)

- a) Write a dialogue between Raj and Shashvat, and invite Raj to Shashvat's birthday party using greetings.
- b) Define leadership and explain the qualities of leader.
- c) What is soft skill? Explain any five soft skills.

Q. 4 Attempt any Two of the following (5 Marks each) (10)

- a) What are the prerequisites of the candidate to succeed in group discussion?
- b) What are the ways to resolve the conflict?
- c) Explain job interview in detail.

Q.5 Attempt any Two of the following (5 Marks each) (10)

- a) What are the different styles of reading?
- b) What is the difference between Active and Passive Reading
- b) Loud Reading Vs Silent Reading

Q.6 Attempt any Two of the following (5 Marks each) (10)

- a) Write a letter to the editor of newspaper highlighting the problems in your area.
- b) Write the elements of letter.
- c) Write a Resume for the post of software developer.

Q.7 Attempt any Two of the following (5 Marks each) (10)

- a) Write a letter to the principal for the post lecturer.
- b) Write an invitation letter to the Mayor of Municipal Corporation for the Prize-distribution ceremony at your college.
- c) Write an Email to Mr. XYZ thanking him for guiding you.

P. T. O.



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Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

B Sc. SE First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

STCS (S1.4)

Time: 10.00 a.m. to 01.00p.m.

Maximum Marks - 75

Time: Three Hours

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Non-programmable calculator allowed.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Define statistics.
- b) Explain data.
- c) Define mean write its merits, demerits.
- d) Explain standard deviation.
- e) Explain regression.
- f) Explain permutation.
- g) Prove that $P(A \cup B) = P(A) + P(B)$.

Q.2 Attempt any Two of the following (5 Marks each) (10)

- a) Write scope of statistics in computer science.
- b) Write importance of statistics.
- c) Write limitation of statistics.

Q.3 Attempt any Two of the following (5 Marks each) (10)

- a) Explain simple & subdivided bar diagram.
- b) Explain histogram with suitable example.
- c) Explain pie diagram with suitable example.

Q.4 Answer any Two of the following (5 Marks each) (10)

- a) Explain measures of central tendency
- b) Calculate median from the following data.

Variable	9	20	25	40	50	80
Freq.	4	6	16	8	7	2

Q.5 Attempt any Two of the following (5 Marks each) (10)

- a) Define mode, writes its merits & demerits.
- b) Calculate SD from the following data.
61,68,69,70,63,60,78
- c) Calculate coefficient of variation from the following data.

Class	0-20	20-40	40-60	60-80	80-100
Freq.	5	12	32	40	11

Q.6 Attempt any Two of the following (5 Marks each) (10)

- a) Explain event.
- b) Prove that $P(A \cup B) = P(A) + P(B) - P(A \cap B)$
- c) Explain Sample space.

Q.7 Attempt any Two of the following (5 Marks each) (10)

- a) Explain scatter diagram.
- b) Explain correlation.
- c) Calculate coefficient of correlation from the following data.

X	10	12	13	17	18
Y	5	6	7	9	13



Royal Education Society's
COCSIT LATUR.
FACULTY OF COMPUTER STUDIES
[CBCS PATTERN]
B.Sc. (SE) First Year (Semester I)
REMEDIAL PRE-SEMESTER EXAMINATION April 2017
Fundamentals of Digital Logic (B.Sc.SE.S1.3)
Time:10:00 a.m. to 1:00p.m

Time:- Three Hours

Max. Marks:- 75

Instructions to the candidates:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone and digital diary is not permitted.

Q.1. Attempt any five of the following: (3 marks each) (15)

- a) Explain hexadecimal number system in short with examples.
- b) What is Signal? Explain digital signal.
- c) Draw and explain 1-bit memory cell.
- d) Draw and explain half adder.
- e) Explain flag register of 8085 microprocessor.
- f) Define 2's complement method with one example of subtraction.
- g) Explain EX-OR and EX-NOR gates.

Q.2. Attempt any two of the following: (5 marks each) (10)

- a) State and prove De-Morgan's theorems.
- b) Why NAND and NOR are called as Universal gates?
- c) Explain OR and NOT gate.

Q.3. Attempt any two of the following: (5 marks each) (10)

a) Convert the following:

1. $(289.245)_{10} = (?)_{16}$

2. $(ACD.9FD)_{16} = (?)_{10}$

3. $(10101011.1111)_2 = (?)_8$

- b) Explain Gray code with examples.
- c) Explain how Hamming code is used as error detecting and correcting code?

Q.4. Attempt any two of the following: (5 marks each) (10)



- a) Simplify the following equation using K-Map:
 $Y = \sum m(0, 2, 3, 5, 7, 8, 10, 12, 13, 14, 15)$
- b) What is multiplexer? Explain any one type of multiplexer.
- c) Define Encoder. Explain its type.

Q.5. Attempt any two of the following: (5 marks each) (10)

- a) what is Flip-Flop? Explain clocked SR-FF.
- b) Draw and explain D-Type FF.
- c) Explain in short Master-Slave FF.

Q.6. Attempt any two of the following: (5 marks each) (10)

- a) Draw and explain SIPO shift register.
- b) Define counter. Draw and explain any type of asynchronous counter.
- c) Explain MOD-9 counter.

Q.7. Attempt any two of the following: (5 marks each) (10)

- a) Draw block diagram of 8085 microprocessor.
- b) Explain ALU
- c) Draw and explain any type of A/D converter.



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Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

BCA First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Communication and Soft Skills-I (SI.2)

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Sentence Elements
- b) Types of Clauses
- c) Verbal Communication
- d) Soft Skills Vs Hard Skills
- e) Define Group Discussion and Explain its Nature
- f) SQ3R Reading Techniques
- g) Email Writing Dos and Don'ts

Q. 2 Attempt any Two of the following (5 Marks each) (10)

- a) Give basic sentence structures with example
- b) Explain tenses with examples.
- c) i. Give the synonyms: a) enemy
ii. Give antonyms: a) friendly
iii. Explain the phrase with example: 'at ease'

Q. 3 Attempt any Two of the following (5 Marks each) (10)

- a) What are the barriers to communication?
- b) Explain the principles of effective communication.
- c) Define Communication and explain its importance.

Q. 4 Answer any Two of the following (5 Marks each) (10)

- a) Write a dialogue between Raj and Shashvat, and invite Raj to Shashvat's birthday party using greetings.
- b) Define leadership and explain the qualities of leader.
- c) What is soft skill? Explain any five soft skills.

Q. 5 Attempt any Two of the following (5 Marks each) (10)

- a) What are the prerequisites of the candidate to succeed in group discussion?
- b) What are the ways to resolve the conflict?
- c) Explain job interview in detail.

Q. 6 Attempt any Two of the following (5 Marks each) (10)

- a) What are the different styles of reading?
- b) What is the difference between Active and Passive Reading
- b) Loud Reading Vs Silent Reading

Q. 7 Attempt any Two of the following (5 Marks each) (10)

- a) Write an application letter to the principal for the post lecturer.
- b) Write an invitation letter to the Mayor of Municipal Corporation for the Prize-distribution ceremony at your college.
- c) Write resume for the post of software developer.



BEST OF LUCK!!!

P. T. O.

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COCSIT LATUR

FACULTY OF COMPUTER STUDIES
[CBCS PATTERN]

BCA First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Database Management System (S1.3)

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) What is DBMS? Explain characteristics of DBMS.
- b) Define entity, entity set, attributes and relationship.
- c) Explain selection operation with example.
- d) What is normalization? Explain first normal form.
- e) Explain organization of records in file.
- f) What is clustered index?
- g) What is data independence?

Q. 2 Attempt any Two of the following (5 Marks each) (10)

- a) Explain data models.
- b) Explain structure of DBMS.
- c) Write a short note on, Users of DBMS.

Q. 3 Answer any Two of the following (5 Marks each) (10)

- a) Explain aggregation with suitable example.
- b) Describe conversion of ER to relational model.
- c) Write a short note on, Integrity Constraints.

Q. 4 Attempt any Two of the following (5 Marks each) (10)

- a) What is relational algebra? Explain projection with example.
- b) Explain set operations.
- c) Explain joins with example.

Q. 5 Attempt any Two of the following (5 Marks each) (10)

- a) Explain second and third normal form with suitable example.
- b) Explain Boyce-Codd normal form.
- c) Write a short note on, Non-Loss Decomposition.

Q. 6 Attempt any Two of the following (5 Marks each) (10)

- a) Explain hashed file organization in detail.
- b) Write a short note on, Heap and Sorted File Organization.
- b) Explain indexed file organization in detail.

Q.7 Attempt any Two of the following (5 Marks each) (10)

- a) Explain primary index.
- b) What is secondary index?
- c) Explain B+ tree structure.



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Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

BCA First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Basics of Computer System (SI.1)

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Non-programmable calculator allowed.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)

- a) Explain Trackball.
- b) Explain Super Computer.
- c) What is operating System? Explain types of OS.
- d) Explain the Concept of Personal Asst.Package.
- e) Write short note on ROM.
- f) Explain Organization of Computer.
- g) Write a note on Web Browser.

Q. 2 Attempt any Two of the following (5 Marks each) (10)

- a) Explain Third Generation of Computer.
- b) Explain Characteristics of Computer.
- c) Explain Client and Server Technology.

Q. 3 Answer any Two of the following (5 Marks each) (10)

- a) Explain the Concept of Printer.
- b) Explain Keyboard.
- c) Explain the Concept of Bar Code Reader.

Q. 4 Attempt any Two of the following (5 Marks each) (10)

- a) Explain the Concept of Memory Card.
- b) Explain the Concept of Magnetic Tape.
- c) Write a short note on DVD



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Q .5 Attempt any Two of the following (5 Marks each) (10)

- a) What is DOS?
- b) Explain Windows Operating System.
- c) Explain the Concept of Linux OS.

Q .6 Attempt any Two of the following (5 Marks each) (10)

- a) Explain the Concept of Graphic package.
- b) Explain Word Processing Software.
- c) Explain Spreadsheet Software.

Q.7 Attempt any Two of the following (5 Marks each) (10)

- a) Explain the Concept of FTP.
- b) What is E-Mail?
- c) Explain the Concept of OSI Model.

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COCSIT LATUR
FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

BCA First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

Web Technology (S1.4)

Time: Three Hours

Maximum Marks - 75

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, and electronic calculator is not permitted.

Q.1 Attempt any FIVE of the following (3 Marks each) (15)
(Coverage of all the UNITS of Syllabus)

- a) Explain website in detail.
- b) Explain SUP tag and SUB tag in detail.
- c) Explain HTTP in detail.
- d) Explain Check Box control in detail.
- e) Explain Inline CSS Style with example.
- f) Explain The Purpose of Scripting.
- g) Explain Search engine optimization.

Q. 2 Attempt any Two of the following (5 Marks each) (10)
(Coverage of UNIT-I of Syllabus)

- a) Explain Structure of HTML documents and Basic Tags.
- b) Describe List tags with suitable example.
- c) Describe DIV tag and SPAN tag with suitable example.

P. T. O.

Q. 3 Answer any Two of the following (5 Marks each) (10)
(Coverage of UNIT-II of Syllabus)

- a) Explain Web browser in detail.
- b) Explain Hyperlink Anchor Tag & it's all attributes.
- c) Explain table tag with all attributes.

Q. 4 Attempt any Two of the following (5 Marks each) (10)
(Coverage of UNIT-III of Syllabus)

- a) Explain Frames in HTML.
- b) Explain Forms in HTML.
- c) Describe Password Field Control with example.

Q.5 Attempt any Two of the following (5 Marks each) (10)
(Coverage of UNIT-IV of Syllabus)

- a) Explain Ramifications of DHTML.
- b) Write a program for Rollover Buttons.
- c) Explain Cascading Style Sheets in detail.

Q.6 Attempt any Two of the following (5 Marks each) (10)
(Coverage of UNIT-V of Syllabus)

- a) Describe JAVA Script with example.
- b) Explain Adding script to documents with example.
- c) Write a program for take input from user and give output to user.

Q.7 Attempt any Two of the following (5 Marks each) (10)
(Coverage of UNIT-VI of Syllabus)

- a) Explain Publishing the Site.
- b) Describe Meta –Information in detail.
- c) Explain Client/Server Programming on the Web.

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COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B.Sc. BT (First Year) (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017
(CCBT 1.1) Introduction to Biotechnology

Time: 10.00 a.m. to 1.00p.m.

Time: Three Hours

Maximum marks - 75

- N.B:- (i) All questions are compulsory.
(ii) Assume suitable data if necessary.
(iii) Figures to the right indicate full marks.

Q.1

Attempt of the following:

- a) Define Biofertilizer? Explain in detail production of biofertilizer with its applications.

OR

- a) Define Biopesticides. Give an account on process biopesticides with its applications
b) What is transgenic plant? Explain in detail method for production of transgenic plants.

15

8

7

Q.2

Attempt of the following:

- a) What is Hybridoma technology? Describe in detail production of monoclonal antibodies with application.

OR

- a) What is stem cell? Explain types and applications of stem cells.
b) What is Ag-Ab interaction? Explain in detail with applications.

8

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Q.3

Attempt of the following:

- a) Discuss the method for production of transgenic animal with their applications.

15

8

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OR

- a) Discuss the role of biotechnology in Bakery with example. 8
b) Discuss role of biotechnology in dairy industry with example. 7

Q.4

Attempt of the following:

- a) Explain in detail the production of biodiesel with their applications.

OR

- Describe the process of Biogas production with their applications.
b) Explain ethical and social impact of Biotechnology.

8

7

Q.5

Attempt of the following:

- a) Define Vaccine. Explain in detail their types and applications.

OR

- a) Explain in detail solid waste management.
b) Write a note on Nanobiotechnology.

15

8

7

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Royal Education Society's

COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B Sc. BT (First Year) (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

(CCBT II) Basic of Biosciences

Time: 10.00 a.m. to 1.00p.m.

Time: Three Hours

Maximum marks - 75

N.B:- (i) All questions are compulsory.

(ii) Assume suitable data if necessary.

(iii) Figures to the right indicate full marks.

Q.1 Attempt of the following:

a) Explain Whittaker's Five Kingdom system with example.

OR

a) Explain- Prokaryotic Cell.

b) Describe classification upto Genus and Species level.

Q.2 Attempt of the following:

a) Explain structure and function of Stem.

OR

a) Explain the structure and dormancy in seed.

b) Explain the process of Photoperiodism.

Q.3 Attempt of the following:

a) Explain Gametogenesis in male and female reproductive system.

OR

a) Explain the process of In-Vitro Fertilization with its application.

b) Describe the method of silk production.

Q.4 Attempt of the following:

a) Write a detail note on Ultra-structure of fungal cell.

OR

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a) Explain Nutritional requirements of Fungi. 8

b) Describe the types of reproduction on fungi. 7

Q.5 Attempt of the following:

a) Explain process, requirements and applications of Apiculture. 15

OR

a) Define and explain nuclear transplantation. 8

b) What is Inflorescence? Explain Cymose Inflorescence. 7

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COCSIT LATUR

FACULTY OF COMPUTER STUDIES
[CBCS PATTERN]

B.Sc. B.T/ First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017
CCBT I-A English & Science communication Skills-I

Time: 10.00 p.m. to 12.00p.m.

Maximum Marks - 40

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, And electronic calculator is not permitted.

Q.1 Attempt any two. (4 Marks each) (8)

- a) Write a short note on open word classes.
- b) Explain the simple, complex & compound sentences.
- c) Write a short note on open word classes.

Q.2 Attempt any two. (4 Marks each) (8)

- a) Give the note on phrase. Explain the Noun phrase.
- b) What is a verb? Define the Transitive & Intransitive verb.
- c) Write a short note on clause. Explain the Main clause & Sub-ordinate clause.

Q.3 Attempt any two. (4Marks each) (8)

- a) What is communication? Explain the communication cycle.
- b) Give a short note on Intonation. Explain the falling tone.
- c) What is Morphology? Explain the term Morpheme.

Q.4 Answer any Two of the following (4 Marks each) (8)

- a) Write a (Formal) report on the function of annual cultural gathering at your college.
- b) As a head of the department of Biotechnology write a memo to the student of B.Sc.B.T.F.Y per poor attendance in practicals.
- c) Fill in the blanks with proper homonyms/homophones:

1. I want _____ in my class. [peace, piece]
2. He _____ two dress from market. [by, buy]
3. She is unable to _____ responsibility of programme. [bear, bare]
4. Rohan got that job by _____. [berth, birth]

Q. 5 Do as directed: (2 Marks each) (8)

- a) Transcribe the following words:
 - 1) Flight
 - 2) bridge
- b) Change the tense of the following sentence as mentioned in the bracket:
 - 1) He walked on the road. (change into simple present tense)
 - 2) Rohan is singing a song. (change into past continuous)
- c) Give antonyms of the following words:
 - 1) Knowledge
 - 2) Natural
- d) Write the substitute words for the given sentences
 - 1) A shorted form of a word or a phrase _____
 - 2) One who can not read or write _____



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COCSIT LATUR

FACULTY OF COMPUTER STUDIES

[CBCS PATTERN]

B Sc. B.T/ First Year (Semester I)

REMEDIAL PRE-SEMESTER EXAMINATION April 2017

CCBT I-A English & Science communication Skills-I

(03/10/2016)

Time: 02.00 p.m. to 04.00p.m.

Time: Two Hours

Maximum Marks - 40

Instructions to the candidates:

1. All questions are Compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data, if required.
4. Use of any electronic media such as mobile phone, digital diary, And electronic calculator is not permitted.

Q.1 Attempt any two. (4 Marks each) (8)

- a) Write a short note on open word classes.
- b) Explain the simple, complex & compound sentences.
- c) Write a short note on open word classes.

Q.2 Attempt any two. (4 Marks each) (8)

- a) Give the note on phrase . Explain the Noun phrase.
- b) what is a verb? Define the Transitive & Intransitive verb.
- c) Write a short note on clause. Explain the Main clause & Sub-ordinate clause.

Q.3 Attempt any two. (4Marks each) (8)

- a) What is communication ? Explain the communication cycle.
- b) Give a short note on Intonation. Explain the falling tone.
- c) What is Morphology? Explain the term Morpheme.

Q.4 Answer any Two of the following (4 Marks each) (8)

- a) Write a (Formal) report on the function of annual cultural gathering at your college.
- b) As a head of the department of Biotechnology write a memo to the student of B.Sc.B.T.F.Y per poor attendance in practicals.
- c) Fill in the blanks with proper homonyms/homophones:

1. I want _____ in my class. [peace, piece]
2. He _____ two dress from market. [by, buy]
3. She is unable to _____ responsibility of programme. [bear, bare]

4. Rohan got that job by _____. [berth, birth]

Q. 5 Do as directed: (2 Marks each) (8)

a) Transcribe the following words:

- 1) Flight
- 2) bridge

b) Change the tense of the following sentence as mentioned in the bracket:

1) He walked on the road.

(change into simple present tense)

2) Rohan is singing a song.

(change into past continuous)

c) Give antonyms of the following words:

1) Knowledge

2) Natural

d) Write the substitute words for the given sentences

1) A shorted form of a word or a phrase _____

2) One who can not read or write _____



COCSIT LATURs
FACULTY OF SCIENCE
B.Sc. BT (First Year) (First Semester) PRESEMESTER EXAMINATION
REMEDIAL PRE-SEMESTER EXAMINATION April 2017
(CCBT-1.1) (Introduction to Biotechnology)

(Date:-----)

Time : .10 a.m. to .01 p.m.

Maximum marks – 75M

- Note:** (i) All questions are compulsory
(ii) Draw neat labeled diagram wherever necessary.

Q1. What is Hybridoma technology? Describe in detail production of monoclonal antibodies with application. 15

OR

a) Describe the process of Biogas production with their applications 8

b) Define Biopesticides. Give an account on process of biopesticides with its applications. 7

Q2. Define Biofertilizer? Explain in detail production of biofertilizer with its applications. 15

OR

a) What is transgenic plant? Explain in detail method for production of transgenic plants. 8

b) Explain in detail waste water treatment. 7

Q3. What is stem cell? Explain types and applications of stem cells. 15

OR

a) Define Vaccine. Explain in detail their types and applications. 8

b) Discuss role of biotechnology in dairy industry with example. 7



Q4. Explain in detail the production of biodiesel with their applications. 15

OR

a) What is Ag-Ab interaction? Explain in detail with applications. 8

b) Describe process of alcohol fermentation with its applications 7

Q5. Discuss the method for production of transgenic animal with their applications. 15

OR

a) Explain ethical and social impact of Biotechnology 8

b) Write a note on Nanobiotechnology. 7

