

[This question paper contains 2 Printed Pages]

Royal Education Society's

## COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B.Sc. BT (First Year) (II<sup>nd</sup> Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(BTT 2.1) English Communication Skills

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 A) Fill in the blanks with correct form of the verbs given in the brackets. 5

i) I ..... the Biotechnology for the last 3 years. (study).

ii) I ..... a letter. (writes)

iii) My father is ..... the newspaper (read)

iv) The earth ..... round the sun. (move)

v) The boys ..... english for six years. (learn)

B) Fill in the blanks with proper homonyms : 5

i) My ..... is black (soot, suit)

ii) There is no ..... of the plane (trace, tress)

iii) They ..... at the railway station (rich, reach)

iv) There is no ..... in the college campus.

(principle, principal)

v) We have just had ..... (meal, mill)

C) Draw a tree-diagram. 5

i) Unawareness

ii) Disagreement

iii) Capitalization

iv) Universality

v) Globalization

D) Transcribe the following words : 5

i) Chalk ii) Hear

iii) Book iv) Call

v) Judge

Q.2 i) What is communicatin and its barriers. 8

ii) The importance of communication. 7

OR

i) Define non-verbal communication. 8

ii) What are the types of communication. 7

Q.3 i) Write a conversation of an interview. 8

ii) Prepare your own curriculum vitae. 7

OR

i) Mention 44 sounds of phoneties. 8

ii) Explain principles of effective communication. 7

Q.4 i) Write an application letter for the post of a scientist of an imaginary company. 8

ii) As a General Manager, Issue a Memo for late coming. 7

OR

i) Write a letter to your friend about your future studies. 8

ii) As a H.O.D, draft a memo to the students for poor attendance in practicals. 7

Q.5 Write short notes on any three of the following 15

i) Open ward classes. ii) Interview.

iii) The importance of English. iv) Your college library

v) Varieties in english.

BEST OF LUCK!!!

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11211

[This question paper contains 2 Printed Pages]

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**COCSIT LATUR**  
FACULTY OF SCIENCE

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

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016  
(BTT- 2.3) Principles of Genetics

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:**

- a) Define sex linkage. Explain sex linked inheritance with suitable example. 10  
b) What is inheritance? Explain law of Independent assortment in detail. 10

**Q.2** a) Define allele. Explain Multiple alleles with suitable example. 08  
b) Comment on the supplementary gene action. 7

OR

- c) Define crossing over. Comment on types of crossing over 8  
d) What is linkage? Explain complete linkage with an example. 7

**Q.3** a) What is transformation? Explain Griffiths experiment in detail. 8  
Comment on its conclusion. 7

- b) How sex is determine in Human being? Explain

OR

Explain the following

- c) Conjugation 8  
d) Plasmids 7

**Q.4** a) State and explain mathematical equation for Hardy-Weinberg law 8

P.T.O.

b) Define mutation. Explain induced mutation with suitable example.

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OR

Comment on the followings

- c) Turners syndrome. 8  
d) Lampbrush chromosome. 7

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

- i) Down's syndrome  
ii) Use of genetically modified organisms  
iii) Modern concept of gene  
iv) Co-dominance  
v) Polytene chromosome

**BEST OF LUCK!!!**

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[This question paper contains 2 Printed Pages]

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**COCSIT LATUR**

FACULTY OF SCIENCE

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

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(BTT-2.2) Microbiology

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 a) Explain in detail controversy over spontaneous generation. 10  
b) Describe in detail ultrastructure of prokaryotic cell. 10
- Q.2 a) Discuss the role of major and minor bioelements. 8  
b) Define growth. Explain growth curve of bacteria. 7
- OR
- c) Write in detail about Soil and agriculture microbiology. 8  
d) Write in short about flagella and its types. 7
- Q.3 a) Define media. Add a note on types of media. 8  
b) Give germ theory of disease and Koch's Postulates. 7
- OR
- c) Define sterilization. Add a note on physical sterilization. 8  
d) Explain in detail pure culture techniques. 7
- Q.4 a) Explain chemical methods of microbial control. 8  
b) Explain in detail continuous culture. 7

P.T.O.

11211

OR

- c) Describe in detail sporulation and germination of endospore. 8  
d) Describe nutritional types of microorganisms. 7

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

- i) PHB granules  
ii) Louis Pasteur  
iii) Diauxic growth  
iv) Tydallization  
v) Ribosome.

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[This question paper contains 2 Printed Pages]

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## COCSIT LATUR

FACULTY OF COMPUTER STUDIES

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

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(BTT2.4) Bioinstrumentation Technique

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

a) Explain principle, construction and application of

UV-Visible Spectrophotometer.

b) Explain principle, working and application of TLC.

**Q.2**

a) Describe components of Compound Microscope.

b) Explain construction of Electron Microscope.

OR

c) Explain Lambert's and Beer's Law.

d) Explain atomic structure and types of spectra.

**Q.3**

a) Give a detail note on types of chromatography.

b) Explain component detection in Paper chromatography.

OR

c) Explain in detail – Ion Exchange Chromatography.

d) Explain basic principle and components of Centrifuge.

**Q.4**

a) Explain – Density Gradient Centrifugation.

b) Give a note on factors affecting electrophoretic mobility.

P.T.O.

11211

OR

c) Explain General principle, working and applications of SDS-PAGE.

8

d) Describe- Pulse field gel electrophoresis.

7

**Q.5**

Write short notes on (Any three)

15

i) Isoelectric focusing.

ii) Types of Rotor.

iii) Lens system in Microscope.

iv) Clinical Centrifuge.

v) 2-dimensional chromatography.

**BEST OF LUCK!!!**

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COCSIT LATUR  
FACULTY OF COMPUTER STUDIES  
B. Sc. CS (First Year) (Second Semester)  
PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016  
Paper B. Sc. CS-S2.3  
(Data Structure Using C)  
Time : 10.00 a. m. to 01.00 p. 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 the following. 20
- a) Explain merge sort .
  - b) Explain operations on data structure.
  - c) Write an algorithm traversing of linked list
  - d) What is binary search tree?
- Q2. 8
- a) Write an algorithm to insert the element into linked list.
  - b) What is algorithm complexity? Explain with example. 7
- OR
- c) Explain Insertion Sort with example? 8
  - d) What is Data structure? Explain different types of data structure. 7
- Q3. 8
- a) What is array? Explain with its representation.
  - b) Write an algorithm to traverse a tree in preorder. 7
- OR
- c) What is Recursion? Write recursive algorithm for factorial. 8
  - d) What is Stack? Explain the operations on Stack. 7
- Q4. 8
- a) Convert the following infix to postfix  
 $Z=A*B+C*(F/E-G)+H^I$ . 8
  - b) What is queue? Explain representation of queue 7
- OR
- c) What is linked list? Explain the application on linked list 8
  - d) Explain Bubble Sort with example. 7
- Q5. Write short notes on (any three) 15
- a) BFS
  - b) Header Linked list.
  - c) Priority Queue.
  - d) Binary tree.
  - e) ADT

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[This question paper contains 2 Printed Pages]

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**COCSIT LATUR**

FACULTY OF COMPUTER STUDIES

B Sc. CS (First Year) (II<sup>nd</sup> Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.5) Computer Networks

1/2/1

OR

- c) Explain Switched and Bridged Ethernets. 8  
d) Explain control access methods. 7

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

- i) WAN.  
ii) ISDN.  
iii) HDLC Protocol.  
iv) TDM.  
v) Utopia.

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

- a) Explain the design issues of data link layer.  
b) Write short note on LAN.  
c) Explain Framing in detail.  
d) What is Signal? Explain its types.

Q.2 a) Draw and explain the OSI reference model. 8

b) Explain mesh and ring topology. 7

OR

c) Explain the service primitives in detail. 8

d) Explain a simplex stop and wait protocol. 7

Q.3 a) Explain a one-bit sliding window protocol. 8

b) What is switching? Explain circuit and message switching. 7

OR

c) Explain ALOHA in detail. 8

d) Explain asynchronous and synchronous transmission. 7

Q.4 a) Explain 10base2 and 10base5 Ethernets. 8

b) Explain FDMA and TDMA. 7

P.T.O.

BEST OF LUCK!!!

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[This question paper contains 2 Printed Pages]

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**COCSIT LATUR**

FACULTY OF COMPUTER STUDIES

B.Sc. CS (First Year) (II<sup>nd</sup> Semester)

PRE-SEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.1) Communication Skills

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 Read the following passage carefully and answer the questions 16  
that follow :

Science has transformed human life beyond all imaginations. According to bertrand Russell, Science has changed the face of the earth and the world has changed more during the last 150 years than during 4000 years previous to that. Can we visualize the shape of things before the birth of science? People living fifty miles from London had hardly seen the world's greatest city. Books were few and were copied by hand  
Communication was almost non-existent, except for those who could afford to send special messengers. Small-pox reaped a good harvest. Cholera and plague had their terror for man. In short, disease, ignorance, and suspicion were prevalent everywhere. Science has spanned the sky, measured the ocean and wrested from nature many of her hidden treasures. It has relieved human suffering by discovering secrets of health and disease. It has annihilated time and space and made communication and contact with world easier and quicker. It has enabled us to fight natural calamities and to revolutionize industrial and agricultural processes. It has extended the frontiers of our knowledge in various ways and various directions. However, science has done great disservice to mankind in the field of armaments and destructive engines of war.

P.T.O.

11211

The invention of gun powder was hailed as a great achievement but humanity should rise the day of its invention as slowly and steadily. gun powder has been used and rejected into a hundred new more become hellish terror to everybody. Before us, now lies a new era in which the power of atomic energy has been released. The age with either be of complete devastation or in which new sources of power will lighten the labour of mankind and increase the standard of living all over the world. it is for us to decide, whether we will destroy the world with atomic bomb or rebuild it with atomic energy.

Questions

- 1) What is the passage about ?
- 2) What is Russell's opinion on modern science?
- 3) How was the world in the earlier days before the birth of science?
- 4) How have the revolutionary changes occurred due to the influence of science?
- 5) Why does the author say "Science has done great disservice to mankind"?
- 6) What are the uses and misuses of atomic energy?
- 7) Suggest a suitable title for the passage.
- 8) Complete the following :  
The age will be either.....of.....

Q.2 Do as directed :

- a) Punctuate the following : 4  
i) we mustnt be late must we  
ii) john told mary that he was planning to go to rajasthan this winter
- b) Correct the following sentences : 4  
i) We have taken our breakfast .  
ii) Rahul is senior than me.
- c) Give Synonyms : 2  
i) empty ii) abbreviate
- d) Give Antonyms : 2  
i) beautiful ii) borrow



P.T.O.

11311

**B. Make a note of the following paragraph and suggest a suitable title** 8

The cinema is an outstanding wonder of the modern age. It is not only a means of entertainment but it is also in many ways an education in itself. The cinema is a very valuable teaching aid. Historical films help the teacher of history. A couple of hours spent in the company of historical characters dressed in the costumes of the period can teach us far more than we can learn from a whole weeks study of a history book. Science can be taught very effectively through films. There are educational film companies which devote their time to the filming of the habits and customs of animals, fish, germs and numerous other branches of scientific life. We can see the hatching of eggs of fish and their gradual development into large fish. We can watch the opening can closing of flowers and leaves, and growth of grass. Such pictures are intensely interesting and area a very great help in the causes of education.

**OR**

As a H.O.D., draft a memo to the students for poor attendance in practical's.

**Q.5 A Write short notes on any four of the following :** 16

- i) Morpheme
- ii) Complex sentence
- iii) Adjective phrase
- iv) Closed word classes
- v) Affixes in English

**OR**

**b Analyse the following words (Use tree diagram)**

- i) Premodification
- ii) Inexperienced
- iii) Tallest
- iv) Skilful

**c) Give one word substitution for the following :** 4

- i) A remedy of all troubles and diseases :
- ii) A speech or performance given for the first time.

**Q.3 A Write a letter of application for the post of computer engineer.** 8

**OR**

Write a letter to a friend asking for a loan.

**B. Rearrange the following jumbled sentences to make a meaningful paragraph :** 8

1. It contains, of course, the meanings of 'difficult words'.
2. One of the most important reference books that you must possess is a dictionary.
3. It also gives you the pronunciation of the words.
4. You do possess one, perhaps, but I doubt whether you are aware of the different kinds of information it contains.
5. The dictionary can be referred to for the various grammatical forms of the words.
6. Every college dictionary should provide at least these four kinds of information about words, namely pronunciation, meaning, grammatical patterns and usage.
7. Finally, a good dictionary contains illustrative sentences or phrases, showing how words are actually used.

**OR**

Draw a newspaper advertisement of a newly launched mobile of an imaginary company. Use innovative punch-lines.

**Q.4 A** Imagine that you are a reporter. You come to know about an accident occurred in the central part of city. You visit and investigate the matter. Prepare a newspaper report. 8

**OR**

Prepare a curriculum vitae of an imaginary candidate for the post of English lecturer.



**BEST OF LUCK!!!**  
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11411



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) Describe the scope of statistic.

b) Describe connected and disconnected graph.

c) Explain partial ordering relation.

d) Explain domain and range of a function.

**Q.2.** (a) Calculate mean from the following data. 08

Marks No. of stud

0-20 5

20-40 7

40-60 11

60-80 15

80-100 12

100-120 10

120-140 8

140-160 4

(b) Explain Histogram in details 07

OR

(c) Calculate mode from the following data 08

Marks Frequency

0-10 8

10-20 15

20-30 30

30-40 42

40-50 50

50-60 40

60-70 35

70-80 16

(d) Explain Bar Diagram in details. 07

Q.3. (a) One card is drawn from pack of 52 cards. What is the probability that it is either a king or queen. 08

(b) Explain diagrammatic presentation of the data. 7M

OR

(c) A given connected graph G is an Euler if and only if all vertices of G are of even degree. 8M

(d) Define function and explain its types. 7 M

(a) If  $A = \{a, e, i, o, u\}$   $B = \{a, c, d, e, g, h, s, t, u, x, z\}$   
 $C = \{b, f, g, u, v\}$  &

$U = \{a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

Then find (1)  $A \cup C$  (2)  $(A \cap B) \cap C$  (3)  $C - A$  (4)  $A \cap B$  8M

(b) Explain Graph and types of Graph. 7M

OR

(c) Calculate Standard Deviation from the following. 8M

X f

0-5 4

5-10 9

10-15 18

15-20 29

20-25 32

25-30 16

30-35 10

35-40 5

(d) Explain Eulerian and Hamiltonian Graph. 7M

Q.5. Write short notes on (any three) 15M

(i) Pie-Diagram

(ii) Cartesian Product

(iii) venn-diagram

(iv) Classification of data

(v) merits and demerits of median.



[This question paper contains 2 Printed Pages]

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**COCSIT LATUR**

FACULTY OF COMPUTER STUDIES

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

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.4) Digital Hardware Interaction Using 'C'

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:**

- a) Pointer to Pointer  
b) Union  
c) Pin Diagram of 8086  
d) Int86 function

20

**Q.2** a) What is structure? Explain structure within structure. 8

b) Write a program to create "data.txt" file store record of five employee. 7

OR

c) Explain addressing mode of 8086. 8

d) Write a program to change cursor size on screen. 7

**Q.3**

a) Explain command line argument in detail. 8

b) Write a program to find caps lock key is on or off. 7

OR

c) Explain types of adapter in detail. 8

d) Write a program to display blinking character on screen. 7

**Q.4**

a) What is interrupt? Explain INT in detail. 8

b) Write a program to send one byte to printer. 7

P.T.O.

1/2/11

OR

- c) Explain ROM-BIOS Function in detail. 8  
d) Write a program to display pixel on screen. 7

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

- i) Color in SVGA  
ii) Detecting Installed Ports.  
iii) Shift and Toggle Key.  
iv) WAP to Show Mouse Pointer.  
v) Pointer and function. 15

**BEST OF LUCK!!!**

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**COCSIT LATUR**

FACULTY OF COMPUTER STUDIES

B.Sc(SE) (First Year) (Second Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.2) (S2.9) Data Structure Using C

11211

OR

- c) What is tree? Explain post order traversal algorithm. 8  
d) What is graph? Explain Depth first search. 7

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

- a) Write Basic Terminology.  
b) Algorithm for Traversing Linked list.  
c) Define recursion with factorial algorithm.  
d) Circular queue.

**Q.2**

- a) What is Data Structure? Explain its type. 8  
b) Write an algorithm for insert ITEM at  $k^{\text{th}}$  position. 7  
OR  
c) Write an algorithm insert ITEM at the beginning of a linked list. 8  
d) What is tree? Explain types of tree. 7

**Q.3**

- a) What is Graph? Explain traversal scheme. 8  
b) Explain bubble sort method. 7  
OR  
c) Write selection sort algorithm. 8  
d) What is stack? Explain its operations with algorithm. 7

**Q.4**

- a) Write an algorithm to transfer infix into postfix with example. 8  
b) Write in-order traversal of a tree. 7

P.T.O.

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

- i) Memory allocation and Garbage collection.  
ii) Polish notation.  
iii) Quick sort.  
iv) Binary search.  
v) Algorithm complexity.

**BEST OF LUCK!!!**

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(01/03/2016)

Time: Three Hours

Time: 02.00 p.m. to 05.00p.m.

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** Define the concept of communication and explain the verbal communication. 10

OR

Discuss barriers of communication.

**Q.2** Write a note on group discussion. 20

OR

What is meant by seminar? Write the difference between seminar and conference.

**Q.3** Transcribe the following words and mark stress on the proper syllable. (any ten) 10

- i. Nation
- ii. Play
- iii. Knowledge
- iv. Beautiful
- v. Is
- vi. From
- vii. Compound
- viii. Follow
- ix. College
- x. Cricket
- xi. Call
- xii. Development

**Q.4** Write a dialogue on any one of the following. 10

- i) Introducing your teacher to your father.
- ii) Dialogue between father and son.

**Q.5A)** Define and explain leadership and its functions. 15

OR

Explain the nature of conflict and write its causes.

**B)** Discuss the term 'Interpersonal skills'. 15

OR

Explain various types of leadership.

**BEST OF LUCK!!!**

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[This question paper contains 2 Printed Pages]

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## COCSIT LATUR

FACULTY OF COMPUTER STUDIES

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

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.3) Advanced 'C' Programming

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:**

a) Color in SVGA

b) Shift and Toggle Key

c) Pin Diagram of 8086

d) Pointer and function

20

**Q.2** a) Explain Dynamic memory Allocation in detail.

8

b) WAP to create student structure and Read record of five student and display it.

7

OR

c) Explain addressing mode of 8086.

8

d) Write a program to set cursor position middle of the screen.

7

**Q.3** a) What is structure? Explain structure within structure.

8

b) Write a program to find caps lock key is on or off.

7

OR

c) Explain types of Adapters in detail.

8

d) Write a program to display blinking character on screen.

7

**Q.4** a) What is interrupt? Explain IVT in detail.

8

b) Write a program to send one byte to printer.

7

P.T.O.

// 2 //

OR

c) Explain I/O operation on file.

8

d) Write a program to display pixel on screen.

7

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

15

i) Pointer to Pointer

ii) Bitwise AND and OR Operator.

iii) Union.

iv) WAP to Hide Mouse Pointer.

v) Int86 function.

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[This question paper contains 2 Printed Pages]

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## COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B.Sc. SE (First Year) (Second Semester)

PRESEMIESTER EXAMINATION REMEDIAL OCT/NOV 2016

Fundamental of Discrete Mathematics : (S 2.5)

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:

- Explain Permutation.
- Explain Spanning tree.
- Explain Scalar Matrix.
- Explain Venn diagram.

20

**Q.2**

- Define function. Explain its types
- Explain differentiation & integration with a suitable example.

8

OR

- Define relation. Explain its types
- Find  $r$ , if  ${}^{15}C_4 + {}^{15}C_5 + {}^{16}C_6 + {}^{17}C_7 = {}^{18}C_r$

8

7

- Define matrices & types of matrices with suitable example.

8

- Define factorial notation & find  $n$ , if  ${}^n C_7 = {}^n C_{11}$

7

OR

- Define Set. Explain different operations on set with an example.

8

- Let  $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$  be the universal set.

7

$$A = \{1, 3, 5, 7, 9\} \quad B = \{2, 3, 4, 6, 8, 10\}$$

$$C = \{6, 7, 8, 9\}$$

Find i)  $(A \cap C)'$

ii)  $(A)'$

iii)  $(B - C)'$

P.T.O.

- Q.4** a) A tree with  $n$  vertices has  $(n-1)$  edges. 8  
b) Explain connected & disconnected graphs. 7

OR

- c) Show that the number of vertices of odd degree in a graph is always even. 8

- d) if  $A = \begin{bmatrix} 3 & 1 \\ -1 & 2 \end{bmatrix}$ , prove that 7

$$A^2 - 5A + 7I = 0, \text{ where } I \text{ is } 2 \times 2 \text{ unit matrix.}$$

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

- Edge connectivity.
- Binary tree.
- Combination.
- Center of tree.
- Transpose of matrix

BEST OF LUCK!!!



This question paper contains 2 Printed Pages]

11211



(Saturday, \_\_\_/\_\_\_/2016)

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

Time: 2 1/2 Hours

Maximum marks - 40

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

(ii) Use of simple calculator is allowed.

(iii) Each question carries equal marks.

**Q.1 Identify the correct alternative among the following : 10**

- a) The correlation coefficient ranges from.....  
 i) 0 to 1 ii) -1 to 0 iii) -1 to 1 iv) None of the above.  
 b) Which is the true of the following?

i)  $C.V = \frac{\sigma}{x} \times 100$  ii)  $C.V = \frac{\sigma}{x} \times 10$

iii)  $C.V = \frac{x}{\sigma} \times 100$  iv)  $C.V = \frac{x}{\sigma} \times 10$

c) Quartile Deviation is equal to.....

i)  $\frac{\theta_3 - \theta_2}{4}$  ii)  $\frac{\theta_3 - \theta_1}{2}$  iii)  $\frac{\theta_3 - \theta_2}{2}$  iv)  $\frac{\theta_2 - \theta_3}{2}$

d) if  $y = \frac{1}{x}$ , then  $\frac{dy}{dx} = \dots\dots\dots$

i)  $-\frac{1}{x^2}$  ii)  $\frac{1}{2\sqrt{x}}$  iii)  $-\frac{1}{x^2}$  iv)  $-\frac{1}{x^3}$

e)  $L + \frac{3x^3 + 2x^2 - x}{x \rightarrow \infty 4x^5 - 3x^3 + 2} = \dots\dots\dots$

f)  $\frac{1}{4}$  ii) 0 iii)  $\infty$  iv) None of these

f) if  $y = \frac{u}{v}$ , then  $\frac{dy}{dx} = \dots\dots\dots$

i)  $\frac{u dv}{dx} - \frac{v du}{dx}$  ii)  $\frac{v du}{dx} - \frac{u dv}{dx}$

iii)  $\frac{u dv}{dx} + \frac{v du}{dx}$  iv)  $\frac{du}{dx} + \frac{dv}{dx}$

g) if  $y = 2x^2 + 4x - 3$  then  $\frac{dy}{dx} = \dots\dots\dots$

i)  $4x-4$  ii)  $5x$  iii)  $4x+4$  iv) None of these

h) Coefficient of range =.....

i)  $\frac{L+s}{L-s}$  ii)  $\frac{L}{L-s}$  iii)  $\frac{L+s}{L}$  iv)  $\frac{L-s}{L+s}$

i) Find odd man out

i) Seasonal variations ii) Secular trend

iii) cyclic variations iv) Regular trend

j) Range of the following data is.....

Variables : 8,10,15,18,17,26,22,20.

i) 18 ii) 17 iii) 16 iv) 15

**Q.2 Evaluate the limits from the following : 10**

i)  $\lim_{x \rightarrow -1} \frac{x^2 - 3x + 4}{x^2 + 4x - 1}$  ii)  $\lim_{x \rightarrow \infty} \frac{x-3}{x^2 - 4}$

iii)  $\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1}$  iv)  $\lim_{x \rightarrow 0} (x^2 - 4x + 3)$

**Q.3 Differentiate the following w.r.t.x. 10**

i)  $y = \frac{x^2 - 3}{x^2 + 2}$

ii)  $y = \text{Log}(x^2 + 3x - 5)$

iii)  $y = (2x - 5)(1 - 4x)$  iv) if  $x^2 + y^2 = a^2$ , then find  $\frac{dy}{dx}$



OR

a) Calculate Standard Deviation from the following data. 10

X:	2	4	6	8	5	3	1
F:	8	10	12	15	11	9	4

Q.4 Calculate Coefficient of correlation from the following data 10

X	Y
10	12
11	14
14	15
10	16
20	21
22	26
13	21
12	15
15	16
13	14

OR

Calculate 3 & 5 yearly moving average from the following data. 10

Year	No. of Admissions
2001	100
2002	120
2003	95
2004	105
2005	108
2006	102
2007	112
2008	118

.....  
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## COCSIT LATUR

FACULTY OF COMPUTER STUDIES

B.C.A (First Year) (II<sup>nd</sup> Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016  
(S2.2) Operating System

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:**

- a) Process control block
- b) What is O.S? Explain importance of O.S
- c) Explain functions of memory management
- d) Explain single contiguous allocation

20

**Q.2**

- a) Explain race condition.
  - b) Explain multiprocessor system in detail.
- OR
- c) Explain operating system as resource manager.
  - d) Explain I/O traffic controller.

8

7

OR

**Q.3**

- a) Explain Hierarchical structure of O.S.
  - b) Explain Serial access storage device.
- OR
- c) What is virtual device? Explain any virtual device.
  - d) Explain demand paged memory management

8

7

**Q.4**

- a) What is DASD? Explain any one DASD.
- b) Explain Deadlock with example.

8

7



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1/2/11

OR

c) Explain O.S process view point

8

d) Explain I/O scheduler and I/O device handlers.

7

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

15

i) JCB.

ii) Fragmentation

iii) Physical file system

iv) Process state model

v) Explain static partition allocation

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**COCSIT LATUR**

FACULTY OF COMPUTER STUDIES

BCA (Second Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

Programming in 'C' (S2.4)

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

a) Explain structure of c.

b) Discuss switch case statement.

c) Explain if-statement .

d) Explain gets() and puts()

**Q.2**

a) Explain different data types in c language. 8

b) Explain nested if-else statement with example 7

OR

c) Explain array in detail. 8

d) Write a program to check given no is prime or not in c. 7

**Q.3**

a) write a program for multiplication of 3 \* 3 matrix 8

b) Explain different storage classes in c. 7

OR

c) Explain pointer with suitable example. 8

d) what is string? Explain string library function in detail. 7

**Q.4**

a) Explain difference between while and do while with suitable 8  
example.

b) Describe structure with suitable example. 7

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1/2/11

OR

c) Write a program for switch case statement. 8

d) Explain file input output function with suitable example. 7

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

i) Recursion.

ii) for loop

iii) goto statement.

iv) union

v) operator in c.

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

(ii) Assume suitable data if necessary.

(iii) Figures to the right indicate full marks.

(iv) Non-programmable calculator allowed.

**Q.1** Attempt of the following: 20

a) Define statistics.

b) Explain data.

c) Define mode write its merits & demerits.

d) Prove that  $P(A) + P(A') = 1$

**Q.2(A)** Attempt of the following: 8

a) Calculate mean & mode from the following data

Class	5-10	10-15	15-20	20-25	25-30
Freq.	7	2	4	5	3

b) Explain scope of statistics in various field. 7

OR

**(B)** Attempt the following: 8

c) Find lower quartile & upper quartile from following data.

Class	14-16	16-18	18-20	20-22	22-24	24-26
Freq.	12	30	55	40	35	28

d) Explain simple & subdivided bar diagram with example. 7

**Q.3(A)** Attempt of the following: 8

a) Find variance from following data.

X :	2	4	6	8	10	12
Freq.	6	10	20	24	12	7

b) Explain measures of central tendency 7

OR

**(B)** Attempt of the following: 8

c) Prove that.

i)  $0 \leq P(A) \leq 1$

ii)  $P(A \cup B) = P(A) + P(B) - P(A \cap B)$

d) Define time series explain its components. 7

**Q.4(A)** Attempt of the following: 8

a) Find 3,5 years moving average from following data.

Year	2000	2001	2002	2003	2004	2005	2006
Production	20	27	35	40	25	22	50

b) Explain Correlation. 7

OR

**(B)** Attempt of the following: 8

c) Calculate coefficient of correlation from the following data.

X	10	6	9	10	12	13	11	9
Y	9	4	6	9	11	13	8	4

d) Explain permutation & combination. 7

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

i) Limitation of statistics.

ii) Frequency polygon.

iii) Standard deviation.

iv) Quartile.

v) Coefficient of variation.



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FACULTY OF COMPUTER STUDIES

BCA (First Year) (II<sup>nd</sup> Semester)

PRESEMESTER EXAMINATION REMEDIAL OCT/NOV 2016

(S2.5) Web Technology

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:**

a) Explain web browser

b) Explain URL

c) Explain structure of HTML document

d) What is hyperlink ?

20

**Q.2** a) What is web design process? Explain its phases

b) Explain <IMG> with its attributes.

OR

c) Explain list tag in detail with proper example.

d) Explain concept of frames.

8

7

8

7

**Q.3** a) What is form? Explain <form> tag in detail.

b) Explain <P> tag and heading tag in detail.

OR

c) Write a program for 3 x 3 table.

d) Explain <DIV> tag in detail.

8

7

8

7

**Q.4** a) What is DHTML? Explain document object model in detail.

b) Write a program in VB-Script to select case statement.

8

7

OR

c) Discuss looping statements in VB script.

d) Explain operators in Java-Script.

8

7

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

i) CSS

ii) Rowspan and Colspan

iii) Image Map

iv) Mailto

v) Radio button

15

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Pre Semester Result Remedial Winter 2016 Examination  
**B.Sc. (BT) First Year**

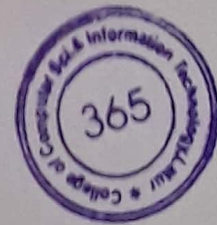
Sr. No.	Name of Student	English & CS
1	MALI SUDARSHAN SHRISHAILYA	<u>34</u>
2	NAGARE DATTA BALAJI	<u>27</u>
3	RAYKODE SONALI CHANDRANKANT	<u>25</u>
4	WAGDAVE MINAKSHEE MANIKRAO	<u>22</u>



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

**B.Sc. (BT) First Year**

Sr. No.	Name of Student	Microbiol ogy
1	FARKANDE ATUL ANKUSH	<u>AA</u>
2	JADHAV DIPAK RAJENDRA	<u>15</u>
3	KAPRE GOVIND BALASAHEB	<u>39</u>
4	KSHIRSAGAR RAJNI RAVINDRA	<u>13</u>
5	MALI SUDARSHAN SHRISHAILYA	<u>39</u>
6	MUNDE SWAPNIL VASANTRAO	<u>AA</u>
7	NAGARE DATTA BALAJI	<u>21</u>
8	RAYKODE SONALI CHANDRANKANT	<u>28</u>
9	WAGDAVE MINAKSHEE MANIKRAO	<u>AA</u>





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Pre Semester Result Remedial Winter 2016 Examination  
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Sr. No.	Name of Student	BIO TECH.
1	BHASKAR RUSHIKESH TUKARAM	<u>5</u>
2	BHISE VISHAL HANMANT	<u>22</u>
3	CHAPKANADE VANKTESH UDDHAV	<u>17</u>
4	CHOUDHARI SWARANJALI VITTHAL	<u>23</u>
5	DHANESHWAR AVINASH ANAND	<u>10</u>
6	GOTMUKALE GANESH ARUN	<u>7</u>
7	GUNJOTE MURARI SUBHASH	<u>10</u>
8	JADHAV DATTA VAMAN	<u>12</u>
9	JADHAV PRABHANJANKUMAR SHIVAJI	<u>11</u>
10	JADHAV SHRADHA VIJAYKUMAR	<u>11</u>
11	JAGTAP ABHIJEET BALAJI	<u>5</u>
12	KALE SUDARSHAN MUKUND	<u>AA</u>
13	KARBHARI ASHVINI SANJAY	<u>5</u>
14	KASLE POOJA PRATAPRAO	<u>14</u>
15	KHAMKAR OMKAR MARUTI	<u>16</u>
16	KHANAPURE IMRAN IRFAN	<u>4</u>
17	KOHALE SACHIN PRATAP	<u>21</u>
18	LAGADE ROHIT DATTA	<u>29</u>
19	MUNDE SURAJ RAMKISHAN	<u>4</u>
20	NEHARKAR ASHVINI SHESHERAO	<u>20</u>
21	PANHALE SNEHAL BABURUWAN	<u>21</u>
22	PATIL ROHIT KAMLAKAR	<u>13</u>
23	PAWAR SAMBHAJI DIPAK	<u>7</u>
24	SHAIKH SIMRAN WAJEED	<u>23</u>
25	TANDALE MOHIT HANUMANT	<u>7</u>



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Pre Semester Result Remedial Winter 2016 Examination

**B.Sc. (BT) First Year**

Sr. No.	Name of Student	Principles of Genetics
1	DESHMUKH SHIVANAND SHIVSANTOSH	<u>AA</u>
2	FARKANDE ATUL ANKUSH	<u>36</u>
3	JADHAV DIPAK RAJENDRA	<u>36</u>
4	KSHIRSAGAR RAJNI RAVINDRA	<u>36</u>
5	MALI SUDARSHAN SHRISHAILYA	<u>47</u>
6	MUNDE SWAPNIL VASANTRAO	<u>AA</u>
7	NAGARE DATTA BALAJI	<u>37</u>
8	WAGDAVE MINAKSHEE MANIKRAO	<u>40</u>



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Pre Semester Result Remedial Winter 2016 Examination

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Sr. No.	Name of Student	BIOMOLE.
1	DESHMUKHI SHIVANAND SHIVSANTOSH	<u>13</u>
2	FARKANDE ATUL ANKUSH	<u>AA</u>
3	JADHAV DIPAK RAJENDRA	<u>5</u>
4	KAMBLE MOHINI DILIP	<u>18</u>
5	KAPRE GOVIND BALASAHEB	<u>4</u>
6	KENDRE PRAVIN DILIP	<u>8</u>
7	KSHIRSAGAR RAJNI RAVINDRA	<u>3</u>
8	KUKAR AKSHAY BALAJI	<u>5</u>
9	MALI SUDARSHAN SHRISHAILYA	<u>7</u>
10	MUNDE SWAPNIL VASANTRAO	<u>AA</u>
11	NAGARE DATTA BALAJI	<u>5</u>
12	PITILE VISHAL BAPURAO	<u>16</u>
13	RAYKODE SONALI CHANDRANKANT	<u>8</u>
14	SUTAR SHANKAR BABURAO	<u>AA</u>
15	WAGDAVE MINAKSHEE MANIKRAO	<u>3</u>

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Pre Semester Result Remedial Winter 2016 Examination

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Sr. No.	Name of Student	CS-II
1	ARJUNE AJAY BHANUDAS	42
2	BEMBDE ASHISHKUMAR VIDYASAGAR	57
3	CHOUDHARI DATTATRYA UDDHAV	39
4	CHOUDHARI SARFARAZ MASTANSAB	32
5	GARAD ASHISH DILIPRAO	43
6	KALSHETTI SHANTLING SURESH	33
7	MAGAR AMIT ANANTRAO	35
8	MUSANDE DHEERAJ BALAJI	32
9	NAIKWADE YUGESH NAMDEV	38
10	NELWADE SIDDHESHWAR UDDHAV	32
11	SHAIKH AIMAN SUBOHI NAIMODDIN	35
12	SIRSAT SACHIN MANIKRAO	42
13	UGALE MAHESH BHARATRAO	39





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Pre Semester Result Remedial Winter 2016 Examination

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Sr. No.	Name of Student	STAT
1	ARAB ABUD MUBARAK	<u>24</u>
2	BANDE GAJANAN VISHNUDAS	<u>28</u>
3	BARURE SAYALI SUDHIR	43
4	BEMBDE ASHISHKUMAR VIDYASAGAR	<u>28</u>
5	BEMBDE GAJANAN MADHAV	<u>5</u>
6	CHANDAK SHREYASH SHRINIWAS	46
7	CHAUDHARI AMOL ANGAD	AA
8	CHITTAMPALLE VISHNU KUMAR	39
9	CHOUDHARI DATTATRYA UDDHAV	<u>8</u>
10	CHOUDHARI SARFARAZ MASTANSAB	<u>19</u>
11	DIGULE NANDINI RAMPRASAD	<u>27</u>
12	GARAD ASHISH DILIPRAO	<u>22</u>
13	GATADE PRATIKSHA SANJAY	<u>17</u>
14	GAVALI SHAILESHKUMAR UTTAMRAO	AA
15	GHATKE AKASH BALAJI	<u>7</u>
16	GHODKE SHUBHAM ANNARAO	<u>13</u>
17	GOSAVI SAMADHAN NARAYAN	<u>9</u>
18	HINGMIRE SHUBHAM BALAJI	AA
19	JAGTAP SHITAL SHANKAR	33
20	JOGDAND SAINATH RAMRAO	<u>22</u>
21	KALSHETTI SHANTLING SURESH	<u>7</u>
22	KAMBLE DEVANAND DATTATRAYA	33
23	KAMBLE SHAILESH PANDURANG	<u>8</u>
24	KARLEKAR SWARALI VINOD	35
25	KOTALWAR ANIKET AJAY	<u>15</u>
26	KULKARNI RUTWIK PRASAD	<u>24</u>
27	MAGAR AMIT ANANTRAO	<u>10</u>
28	MANALE SWAPNIL MADHAV	33
29	MEHTRE SACHIN SURYAKANT	36
30	MORE MAHESH NANDKISHOR	20
31	MUDME CHANDRASHEKHAR MADHAV	34
32	MULKHEDE SWAPNIL SANJAY	<u>19</u>
33	MUSANDE DHEERAJ BALAJI	<u>17</u>
34	NAIKWADE YOUNGESH NAMDEV	33
35	NELWADE SIDDHESHWAR UDDHAV	<u>8</u>
36	PANCHAL AVINASH BALAJI	<u>23</u>



Sr. No.	Name of Student	STAT
37	PATEL UMAR RIYAZ	35
38	PATIL ANKUSH DHANRAJ	<u>26</u>
39	PATIL SANTOSH DAMODAR	51
40	RATHOD AMOL MAHADU	<u>9</u>
41	SAKHARE AKASH RAJABHAU	<u>9</u>
42	SATHE AKASH RAM	<u>28</u>
43	SATHE SAGAR TRYAMBAK	<u>21</u>
44	SHAIKH AIMAN SUBOHI NAIMODDIN	<u>13</u>
45	SHAIKH NIHAL KHALILPASHA	<u>23</u>
46	SHAIKH SAMREEN BEGUM SADIQ SAHAB	37
47	SHAIKH SAMRIN AKHTAR	37
48	SHINDE AKSHAY ARUN	<u>24</u>
49	SHINDE SHUBHAM RAMDAS	<u>18</u>
50	SIRSAT SACHIN MANIKRAO	36
51	SURVASE POOJA DNYANOBA	34
52	SURWASE VIJAYKUMAR ANKUSH	<u>21</u>
53	SURYAWANSHI PAVAN RAMDAS	<u>23</u>
54	TAMBOLKAR GANESH RAMESH	<u>19</u>
55	TAPSE SAMADHAN ASHOK	<u>23</u>
56	TUDAMAE VITTHAL DIGAMBAR	29
57	UGALE MAHESH BHARATRAO	<u>17</u>
58	VIBHUTE MAHESH SAUDAGAR	33
59	WAGAMBARE SANDIP SHIVAJI	<u>21</u>





Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

**B.Sc. (CS) Frist Year**

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2	BAGWAN WAHEEDA BANO ISMAIL	AA
3	BARURE SAYALI SUDHIR	37
4	BEMBDE ASHISHKUMAR VIDYASAGAR	35
5	BHOSALE JAYMALA LALASAHEB	39
6	CHAUDHARI AMOL ANGAD	20
7	CHOUDHARI DATTATRYA UDDHAV	9
8	CHOUDHARI SARFARAZ MASTANSAB	9
9	DIGULE NANDINI RAMPRASAD	35
10	GAVALI SHAILESHKUMAR UTTAMRAO	9
11	GAVARKAR SHUBHANGI MADHAV	41
12	GHATKE AKASH BALAJI	8
13	GHODKE SHUBHAM ANNARAO	7
14	GOSAVI SAMADHAN NARAYAN	16
15	JADHAV TANAJI RAJARAM	17
16	JOGDAND SAINATH RAMRAO	19
17	KALSHETTI SHANTLING SURESH	12
18	KAMBLE DEVANAND DATTATRAYA	44
19	KAMBLE SHAILESH PANDURANG	12
20	KARLEKAR SWARALI VINOD	14
21	KULKARNI RUTWIK PRASAD	33
22	LOMTE DHIRAJ RAJESAHEB	42
23	MAGAR AMIT ANANTRAO	16
24	MANALE SWAPNIL MADHAV	29
25	MEHTRE SACHIN SURYAKANT	24
26	MUDME CHANDRASHEKHAR MADHAV	43
27	MUSANDE DHEERAJ BALAJI	22
28	NAIKWADE YUGESH NAMDEV	34
29	NELWADE SIDDHESHWAR UDDHAV	25
30	PANCHAL AVINASH BALAJI	14
31	PATEL UMAR RIYAZ	41
32	PAWAR RAMAN BALASAHEB	9
33	SATHE SAGAR TRYAMBAK	35
34	SAWANT NEHA YUVRAJ	42
35	SHINDE SHUBHAM RAMDAS	36
36	SURYAWANSHI PAVAN RAMDAS	31



Sr. No.	Name of Student	DS U C
37	TAMBOLKAR GANESH RAMESH	28
38	TAPSE SAMADHAN ASHOK	29
39	TUDAMAE VITTHAL DIGAMBAR	31
40	UGALE MAHESH BHARATRAO	29
41	VIBHUTE MAHESH SAUDAGAR	38
42	WAGAMBARE SANDIP SHIVAJI	24





Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

**B.Sc. (CS) Frist Year**

Sr. No.	Name of Student	HIC
1	ARJUNE AJAY BHANUDAS	41
2	CHITTAMPALLE VISHNU KUMAR	44
3	CHOUDHARI SARFARAZ MASTANSAB	14
4	DIGULE NANDINI RAMPRASAD	36
5	GHATKE AKASH BALAJI	11
6	GHODKE SHUBHAM ANNARAO	17
7	JADHAV RAJAT VIJAY	49
8	KAMBLE SHAILESH PANDURANG	19
9	KARLEKAR SWARALI VINOD	39
10	KOTALWAR ANIKET AJAY	30
11	MAGAR AMIT ANANTRAO	17
12	MEHTRE SACHIN SURYAKANT	45
13	PANCHAL AVINASH BALAJI	36
14	PATIL ASHLESHA SATISH	43
15	PENSALWAR NAMRATA RAJENDRA	23
16	PUNE NIKITA AMBADAS	31
17	RODGE SNEHA SANJU	30
18	SHAIKH NIHAL KHALILPASHA	AA
19	SURYAWANSHI PAVAN RAMDAS	23
20	TADMADGE VAIBHAV MAHARUDRA	24
21	TAMBOLKAR GANESH RAMESH	18
22	UGALE MAHESH BHARATRAO	29
23	WAGAMBARE SANDIP SHIVAJI	39



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

B.Sc. (CS) Frist Year

Sr. No.	Name of Student	Com Net
1	APET YASHWANT ASHOKRAO	32
2	BADOLE AMBIKA CHIDANAND	31
3	BAGWAN WAHEEDA BANO ISMAIL	<u>21</u>
4	BANDE GAJANAN VISHNUDAS	<u>18</u>
5	BARURE SAYALI SUDHIR	<u>24</u>
6	BELE SANKET RAMCHANDRA	<u>26</u>
7	BEMBDE ASHISHKUMAR VIDYASAGAR	34
8	BEMBDE GAJANAN MADHAV	40
9	BHAVSAR VINEET SURESH	32
10	BHOSALE JAYMALA LALASAHEB	31
11	CHANDAK SHREYASH SHRINIWAS	32
12	CHAUDHARI AMOL ANGAD	<u>16</u>
13	CHITTAMPALLE VISHNU KUMAR	31
14	CHOUDHARI DATTATRYA UDDHAV	<u>6</u>
15	CHOUDHARI SARFARAZ MASTANSAB	<u>8</u>
16	DIGULE NANDINI RAMPRASAD	<u>15</u>
17	GARAD ASHISH DILIPRAO	32
18	GATADE PRATIKSHA SANJAY	30
19	GAVALI SHAILESHKUMAR UTTAMRAO	<u>19</u>
20	GAVARKAR SHUBHANGI MADHAV	31
21	GHATKE AKASH BALAJI	<u>14</u>
22	GHODKE SHUBHAM ANNARAO	<u>7</u>
23	GOSAVI SAMADHAN NARAYAN	<u>6</u>
24	HINGMIRE SHUBHAM BALAJI	AA
25	HOLAMBE SHIVRAJ LAXMAN	<u>21</u>
26	JADHAV RAJAT VIJAY	<u>21</u>
27	JOGDAND SAINATH RAMRAO	<u>28</u>
28	KALSHETTI SHANTLING SURESH	<u>13</u>
29	KAMBLE DEVANAND DATTATRAYA	35
30	KAMBLE SHAILESH PANDURANG	<u>11</u>
31	KARLEKAR SWARALI VINOD	<u>4</u>
32	KOTALWAR ANIKET AJAY	<u>17</u>
33	KULKARNI RUTWIK PRASAD	<u>18</u>
34	KULKARNI SUYOG SHARADRAO	31
35	LOMTE DHIRAJ RAJESAHEB	<u>17</u>
36	MAGAR AMIT ANANTRAO	<u>4</u>





Sr. No.	Name of Student	Com Net
37	MANALE SWAPNIL MADHAV	5
38	MEHTRE SACHIN SURYAKANT	6
39	MUDME CHANDRASHEKHAR MADHAV	36
40	MULKHEDE SWAPNIL SANJAY	25
41	MUSANDE DHEERAJ BALAJI	3
42	NAIKWADE YOUNGESH NAMDEV	23
43	NELWADE SIDDHESHWAR UDDHAV	25
44	PANCHAL AVINASH BALAJI	31
45	PATHAN SOHEL JABBARKHAN	31
46	PATIL ANKUSH DHANRAJ	32
47	PATIL SANTOSH DAMODAR	31
48	PATIL SUKANYA TANAJI	AA
49	PAWAR RAMAN BALASAHEB	13
50	PENSALWAR NAMRATA RAJENDRA	AA
51	PUNE NIKITA AMBADAS	20
52	RATHOD AMOL MAHADU	19
53	SAKHARE AKASH RAJABHAU	9
54	SATHE AKASH RAM	23
55	SATHE SAGAR TRYAMBAK	31
56	SAWANT NEHA YUVRAJ	26
57	SHAIKH AIMAN SUBOHI NAIMODDIN	23
58	SHAIKH NIHAL KHALILPASHA	AA
59	SHAIKH SAMRIN AKHTAR	47
60	SHAIKH SHADUL MAINUDDIN	31
61	SHELKE RUSHIKESH BHANUDAS	36
62	SHINDE SHUBHAM RAMDAS	5
63	SIRSAT SACHIN MANIKRAO	14
64	SURVASE POOJA DNYANOBA	31
65	SURWASE VIJAYKUMAR ANKUSH	20
66	SURYAWANSHI PAVAN RAMDAS	3
67	SURYAWANSHI SHUBHAM SURYABHAN	20
68	TADMADGE VAIBHAV MAHARUDRA	21
69	TAMBOLKAR GANESH RAMESH	7
70	TAMKE DNYANESHWAR RUKSHRAJ	32
71	TAPSE SAMADHAN ASHOK	17
72	TUDAMAE VITTHAL DIGAMBAR	31
73	UGALE MAHESH BHARATRAO	25
74	WAGAMBARE SANDIP SHIVAJI	32



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

B.Sc. (SE) First Year

Sr. No.	Name of Student	CS
1	SURYAWANSHI AKSHAY ANIL	36
2	DAYMA YOGESH SHRIGOPAL	36
3	KOMATWAD SAVALI BHAGURAM	36
4	THAKUR SAGAR BAJRANGSINGH	40
5	SONI AKASH GHANSHYAM	32





Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination  
B.Sc. (SE) First Year

Sr. No.	Name of Student	DBMS
1	CHOUHAN NEERAJ RAJENDRASINGH	10
2	THAKUR SAGAR BAJRANGSINGH	6
3	SURYAWANSHI AKSHAY ANIL	44



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

B.Sc. (SE) First Year

Sr. No.	Name of Student	Adv c
1	BIRADAR RITESH YENKATRAO	38
2	CHOUHAN NEERAJ RAJENDRASINGH	7
3	SHAIKH WAJID JANIMIYA	38
4	SURYAWANSHI AKSHAY ANIL	35
5	SOMWANSHI NISHA JYOTIRAM	62
6	AWALE PRADIP DILIP	42
7	UBALE VISHAL PUNDLIK	40
8	THAKUR SAGAR BAJRANGSINGH	28
9	BOYANE PRANIT UTTAMRAO	42
10	KENDRE AJAY SAYASRAO	39
11	SONI AKASH GHANSHYAM	32





Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

**B.Sc. (SE) First Year**

Sr. No.	Name of Student	DS U C
1	BIRADAR RITESH YENKATRAO	AA
2	CHOUHAN NEERAJ RAJENDRASINGH	28
3	SHAIKH WAJID JANIMIYA	28
4	SURYAWANSHI AKSHAY ANIL	27
5	SOMWANSHI NISHA JYOTIRAM	43
6	AWALE PRADIP DILIP	8
7	DAYMA YOGESH SHRIGOPAL	36
8	KOMATWAD SAVALI BHAGURAM	36
9	RUPNAWAR JAISHRI MANOHAR	47
10	UBALE VISHAL PUNDLIK	23
11	JANMALE AKSHAY BALAJI	36
12	THAKUR SAGAR BAJRANGSINGH	36
13	BOYANE PRANIT UTTAMRAO	23
14	KENDRE AJAY SAYASRAO	36
15	YENAKPHALE RAHUL CHANDRAKANT	11
16	SONI AKASH GHANSHYAM	27



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination

B.Sc. (SE) First Year

Sr. No.	Name of Student	STAT
1	BIRADAR RITESH YENKATRAO	AA
2	CHOUHAN NEERAJ RAJENDRASINGH	<u>6</u>
3	SHAIKH WAJID JANIMIYA	<u>24</u>
4	SURYAWANSHI AKSHAY ANIL	<u>18</u>
5	SOMWANSHI NISHA JYOTIRAM	<u>19</u>
6	AWALE PRADIP DILIP	35
7	DAYMA YOGESH SHRIGOPAL	47
8	KOMATWAD SAVALI BHAGURAM	33
9	RUPNAWAR JAISHRI MANOHAR	36
10	UBALE VISHAL PUNDLIK	<u>28</u>
11	JANMALE AKSHAY BALAJI	63
12	THAKUR SAGAR BAJRANGSINGH	<u>7</u>
13	BOYANE PRANIT UTTAMRAO	<u>27</u>
14	KENDRE AJAY SAYASRAO	38
15	YENAKPHALE RAHUL CHANDRAKANT	41
16	SONI AKASH GHANSHYAM	<u>26</u>





Royal Education Society's  
**College of Computer Science & Information Technology, Latur**  
Pre Semester Result Remedial Winter 2016 Examination  
B.C.A. First Year

Sr. No.	Name of Student	CS - II
1	AUTADE AKSHAY TUKARAM	32
2	CHANDILE MUKESH PRAVINSINGH	<u>10</u>
3	CHORMARE AKSHAY PRAKASH	<u>16</u>
4	DALVE DNYANESHEAR BALU	<u>13</u>
5	DESHMUKH PALLAVI BABASAHEB	<u>19</u>
6	DESHMUKH POOJA SAHEBRAO	41
7	GAVTE DINESH SHYAM	<u>15</u>
8	GAWANDER VIDYADHAR UTTRESHWAR	<u>15</u>
9	GODBOLE SWAPNIL GAUTAM	AA
10	JADHAV AKSHAYKUMAR JOTIRAM	<u>23</u>
11	JADHAV HANMANT ASHOK	<u>10</u>
12	JADHAV RAM ARUN	36
13	JAGDHANE PRADIP MADHUKAR	<u>11</u>
14	JUNNI SHAMSING NANAKSING	<u>19</u>
15	NAIKNAWARE SUHAS ANKUSH	37
16	SANDUR MOHINI RAJPAL	<u>28</u>
17	SATALKAR KETAN KISHOR	<u>24</u>
18	SHAIKH ARIF MUSTAKSAB	<u>17</u>
19	SHAIKH CHANDPASHA HUJUR	<u>22</u>
20	SHAIKH TALIM LATIPH	AA
21	SHAIKH ZUBER MUKHTARPASHA	<u>17</u>
22	TALEKAR VIKAS BALAJI	<u>15</u>
23	TAMKE DATTATRAY ABHIMANYU	<u>21</u>
24	TANMOR SHRINIVAS BAPURAO	AA
25	THAKUR ROHANSING VIJAYSING	<u>24</u>



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination  
B.C.A. First Year

Sr. No.	Name of Student	OS
1	AUTADE AKSHAY TUKARAM	38
2	BIRADAR MAHESH SADANAND	38
3	BIRADAR PRANJALI ASHOKRAO	17
4	BORUL SHUBHAM PANDIT	17
5	CHANDILE MUKESH PRAVINSINGH	5
6	CHAVAN AMAR DAGADU	32
7	CHORMARE AKSHAY PRAKASH	4
8	DALVE DNYANESHEAR BALU	4
9	DANGE ASHWINI BALASAHEB	20
10	DESHMUKH PALLAVI BABASAHEB	4
11	DHUMAL SHUBHAM BALAJIRAO	22
12	GAVTE DINESH SHYAM	6
13	GAWANDER VIDYADHAR UTTRESHWAR	32
14	GODBOLE SWAPNIL GAUTAM	AA
15	HALSE SADANAND VILASRAO	6
16	JADHAV AKSHAYKUMAR JOTIRAM	20
17	JADHAV GOVIND JANARDHAN	21
18	JADHAV HANMANT ASHOK	15
19	JADHAV PAJESH NARAYAN	17
20	JADHAV RAM ARUN	21
21	JAGDHANE PRADIP MADHUKAR	4
22	JUNNI SHAMSING NANAKSING	AA
23	KARANJKAR RUDRANI PRABHAKARRAO	34
24	KATALE AKASH	12
25	LOMTE VAISHNAVI MAHADEO	18
26	MOTADE SUPRIYA MAHADU	25
27	MUNGLE MOHAMADDIN MUSAMIYA	45
28	NAIKNAWARE SUHAS ANKUSH	35
29	NALAWADE GOVIND VILAS	27
30	PATIL ASHA BHIMA	36
31	PAWAR AMIT DASHRATH	48
32	RATHOD VINOD BALIRAM	41
33	RATHODE VISHWAJEET SUBHASH	21
34	RAUT SHIVAM SUNIL	24





Sr. No.	Name of Student	OS
35	SANDUR MOHINI RAJPAL	17
36	SATALKAR KETAN KISHOR	8
37	SATHE AKASH SHIVAJI	17
38	SHAIKH ARIF MUSTAKSAB	15
39	SHAIKH CHANDPASHA HUJUR	24
40	SHAIKH RIYAZ GAUS	22
41	SHAIKH SOHEL BASHIR	39
42	SHAIKH TALIM LATIPH	AA
43	SHAIKH ZUBER MUKHTARPASHA	18
44	SHELAR SUNIL SHRIHARI	32
45	SHETE SHIVKANYA LAXMAN	AA
46	SHINDE UMA LAXMAN	19
47	SOLANKE AKASH VIJAYKUMAR	15
48	SOLUNKE PRIYANKA RAGHUVeer	36
49	SONKAMBLE SIDHANT TULSHIRAM	25
50	SURWASE PRASHANT PRALHAD	6
51	SWAMI ONKARNATH SHIVRAJ	32
52	TALEKAR VIKAS BALAJI	5
53	TAMKE DATTATRAY ABHIMANYU	24
54	THAKUR ROHANSING VIJAYSING	4
55	UMBARE DNYANESHWAR PRAKASH	37



Royal Education Society's  
 College of Computer Science & Information Technology, Latur  
 Pre Semester Result Remedial Winter 2016 Examination  
 B.C.A. First Year

Sl. No.	Name of Student	SICS
1	AADDE AVINASH RAJESH	23
2	AUTADE AKSHAY TUKARAM	36
3	BAKLE DNYANESHWAR RAJABHAU	33
4	BORUR SHUBHAM PANDIT	23
5	CHANDIT MUKESH PRAVINSINGH	5
6	CHAVAN AMAR DAGADU	33
7	CHORMARE AKSHAY PRAKASH	11
8	DALVE DNYANESHWAR BALU	9
9	DANGE ASHWINI BALASAHEB	24
10	DESHMUKH PALLAVI DABASAHEB	5
11	DHUMAL SHUBHAM BALAJIRAO	5
12	GADDE ABHIJEET ARVIND	33
13	GAIKWAD NIKHEEL RAJKUMAR	39
14	GAVTE DINESH SHYAM	8
15	GAWANDER VIDYADHAR UTTRESHWAR	5
16	GODBOLE SWAPNIL GAUTAM	AA
17	JADHAV AKSHAYKUMAR JOTIRAM	9
18	JADHAV HANMANT ASHOK	12
19	JADHAV RAM ARUN	5
20	JAGDHANE PRADIP MADHUKAR	19
21	KARANJKAR RUDRANI PRABHAKARRAO	23
22	LOMTE VAISHNAVI MAHADEO	10
23	MOTADE SUPRIYA MAHADU	16
24	MUNGLE MOHAMADDIN MUSAMIYA	21
25	NAIKNAWARE SUHAS ANKUSH	9
26	NALAWADE GOVIND VILAS	15
27	NAWADE ASHVINI KUMAR	14
28	PATIL ASHA BHIMA	34
29	RATHODE VISHWAJEET SUBHASH	13
30	RAUT SHIVAM SUNIL	17
31	SANDUR MOHINI RAJPAL	35
32	SATALKAR KETAN KISHOR	AA
33	SHAIKH ARIF MUSTAKSAB	18
34	SHAIKH CHANDPASHA HAJIR	39





Sr. No.	Name of Student	STCS
35	SHAIKH RIYAZ GAUS	<u>21</u>
36	SHAIKH SOHEL BASHIR	<u>37</u>
37	SHAIKH TALIM LATIPH	<u>AA</u>
38	SHAIKH ZUBER MUKHTARPASHA	<u>8</u>
39	SHELAR SUNIL SHRIHARI	<u>18</u>
40	SHINDE UMA LAXMAN	<u>11</u>
41	SOLANKE AKASH VIJAYKUMAR	<u>17</u>
42	SOLUNKE PRIYANKA RAGHUVeer	<u>15</u>
43	SONKAMBLE SIDHANT TULSHIRAM	<u>25</u>
44	TALEKAR VIKAS BALAJI	<u>5</u>
45	TAMKE DATTATRAY ABHIMANYU	<u>11</u>
46	TANMOR SHRINIVAS BAPURAO	<u>5</u>
47	THAKUR ROHANSING VIJAYSING	<u>11</u>
48	UMBARE DNYANESHWAR PRAKASH	<u>13</u>



Royal Education Society's  
College of Computer Science & Information Technology, Latur  
Pre Semester Result Remedial Winter 2016 Examination  
B.C.A. First Year

Sr. No.	Name of Student	Prog in C
1	AADE AVINASH RAJESH	46
2	AUTADE AKSHAY TUKARAM	39
3	BIRADAR PRANJALI ASHOKRAO	37
4	BORUL SHUBHAM PANDIT	AA
5	CHANDILE MUKESH PRAVINSINGH	10
6	CHORMARE AKSHAY PRAKASH	12
7	DALVE DNYANESHEAR BALU	21
8	DANGE ASHWINI BALASAHEB	35
9	DESHMUKH PALLAVI BABASAHEB	6
10	DESHMUKH POOJA SAHEBRAO	34
11	GADE ABHIJEET ARVIND	34
12	GAVTE DINESH SHYAM	11
13	GAWANDER VIDYADHAR UTTRESHWAR	30
14	GODBOLE SWAPNIL GAUTAM	AA
15	HALSE SADANAND VILASRAO	42
16	JADHAV AKSHAYKUMAR JOTIRAM	22
17	JADHAV HANMANT ASHOK	6
18	JADHAV KHANDU BABURAO	34
19	JADHAV RAM ARUN	36
20	JAGDHANE PRADIP MADHUKAR	7
21	JUNNI SHAMSING NANAKSING	15
22	LOMTE VAISHNAVI MAHADEO	36
23	MOTADE SUPRIYA MAHADU	36
24	MUNGLE MOHAMADDIN MUSAMIYA	43
25	NAIKNAWARE SUHAS ANKUSH	27
26	NALAWADE GOVIND VILAS	9
27	PADILE VITTHAL BALAJI	34
28	RATHODE VISHWAJEET SUBHASH	26
29	SANDUR MOHINI RAJPAL	22
30	SATALKAR KETAN KISHOR	AA
31	SATHE AKASH SHIVAJI	28
32	SHAIKH ARIF MUSTAKSAB	8
33	SHAIKH CHANDPASHA HUJUR	26
34	SHAIKH TALIM LATIPH	AA
35	SHAIKH ZUBER MUKHTARPASHA	6
36	SOLANKE AKASH VIJAYKUMAR	18
37	SONKAMBLE SIDHANT TULSHIRAM	46
38	TALEKAR VIKAS BALAJI	11
39	TAMKE DATTATRAY ABHIMANYU	28
40	TANMOR SHRINIVAS BAPURAO	6
41	THAKUR ROHANSING VIJAYSING	10
42	UMBARE DNYANESHWAR PRAKASH	9





Royal Education Society's  
**College of Computer Science & Information Technology, Latur**  
 Pre Semester Result Remedial Winter 2016 Examination  
 B.C.A. First Year

Sr. No.	Name of Student	WEB
1	AADE AVINASH RAJESH	47
2	CHANDILE MUKESH PRAVINSINGH	<u>12</u>
3	CHORMARE AKSHAY PRAKASH	<u>11</u>
4	DALVE DNYANESHEAR BALU	<u>9</u>
5	DESHMUKH POOJA SAHEBRAO	44
6	GAVTE DINESH SHYAM	<u>10</u>
7	GODBOLE SWAPNIL GAUTAM	AA
8	JADHAV AKSHAYKUMAR JOTIRAM	<u>27</u>
9	JADHAV GOVIND JANARDHAN	<u>25</u>
10	JAGDHANE PRADIP MADHUKAR	<u>15</u>
11	PAWAR AMIT DASHRATH	63
12	SANDUR MOHINI RAJPAL	<u>25</u>
13	SATALKAR KETAN KISHOR	<u>16</u>
14	SHAIKH SOHEL BASHIR	53
15	SHAIKH TALIM LATIPH	AA
16	SHAIKH ZUBER MUKHTARPASHA	<u>14</u>
17	SHELAR SUNIL SHRIHARI	45
18	SOLANKE AKASH VIJAYKUMAR	36
19	SURWASE PRASHANT PRALHAD	44
20	SWAMI ONKARNATH SHIVRAJ	44
21	TALEKAR VIKAS BALAJI	37
22	TAMKE DATTATRAY ABHIMANYU	<u>25</u>
23	UMBARE DNYANESHWAR PRAKASH	47















