

School of Arts, Science & Commerce

B.Sc. IT Semester II Major Assignment

Important Instructions to Student:

- 1. Last date for Assignment Submission 30-May-2020
- 2. This assignment carries major **weightage of 50 Marks**. Kindly prepare it very carefully and in a very detailed manner. For any help in this regard, kindly contact your faculties.
- 3. Front Page of Assignment should clearly include details like:
 - **a.** Your Name
 - **b.** UID Number
 - c. Subject
 - d. Class
 - e. Semester

In the event of no such information, we may not be able to assign marks for your assignment, for which responsibility lies with students.

- 4. You can write and submit assignment through any of the following options:
 - a. Handwritten Assignment Prepare softcopy of your assignment through suitable apps and send the assignment as one PDF to your respective faculty as mentioned above.
 - b. Typed Assignment Prepare Assignment with following font setting and submit the assignment to your respective faculty as mentioned above.
 - i. Font Type Times New Roman or Arial
 - ii. Headings Font Size 14
 - iii. Text (Except Heading) 12
 - iv. Normal Margin and Line Spacing maximum 1.15
- 5. After this lockdown ends, you all have to submit the physical assignment copies to your respective Faculties. So, keep the assignment carefully for submission.
- While submitting assignment through email, kindly use subject line as Name of the Programe_Name of Course/Branch_Semester_Name o the the Subject. For Example B.Tech._Mechanical_IV_Theory of Machines



Engl	lish Communication and	Mode of Submission
Life	Skills – II	Email – rbs.raiuniversity@gmail.com
Prof	. Rakhi Pandey	Subject Line: B.Sc. IT IV ECLS-IV
1.	Describe SQ3R study met	hod in detail.
2.	Mention all the helping verbs	
3	Explain reading technique	s in detail
4	Mention 10 habits that nee	ed to be developed
5.	Explain the use of punctua	tion while using infinitive
	CRETE	Mode of Submission : Upload on given link
	THEAMTICS	Link : <u>https://forms.gle/hn5jBE3pTEQmjnGY7</u>
	: Vardan Parmar	Subject Line: B.Sc. IT SEM II Discrete Mathematic
1.	,	$\in \mathbb{R}^2, m \in \mathbb{R}$ and $a \neq 0, b$ are constant numbers, then prove that
-	$y_n = \frac{m!}{(m-n)!} a^n (ax+b)^m$	
2.	-	0, b are constant real numbers then prove that
2	$y_n = \sin\left\{ax + b + \frac{n\pi}{2}\right\},$	$n \in \mathbb{N}$.
3.	$y_n = \sin \{ax + b + \frac{1}{2}\}, n \in \mathbb{N}.$ If $A = \begin{bmatrix} 1 & 2 & 3 \\ 0 & -1 & 2 \\ 1 & 3 & 1 \end{bmatrix}$ then find A^{-1} . If $A = \begin{bmatrix} 4 & 2 & 4 \\ 0 & 7 & 2 \end{bmatrix}$ then find A^{-1} .	
4.	$ \text{If } A = [0 / 2] \text{ then find } A^{-1}.$	
5.	$\begin{bmatrix} 1 & 4 & 1 \end{bmatrix}$ If $A = \begin{bmatrix} 1 & 12 & 3 \\ 0 & -4 & 0 \\ 6 & 2 & 1 \end{bmatrix}$ then the formula is the formula of the formul	find A^{-1} .
Adv	anced C & Data	Mode of Submission:
~	ctures	Google Form: https://forms.gle/USw1srYFMNvv5Rqt5
~ • - • -	Chakravarty	Subject Line: B.Sc. IT II AC&DS
1.	Perform bubble sort and selection sort using following elements and also write C programming code: 57,38,99,40,87,69,79,21,60,18	
2	Perform Merge sort and Radix sort using following elements.	
3.	87,23,5003,99,419,50,20,14,77,610,1022,589,9900,78932 Perform Quick sort and Insertion sort using following elements. 22,73,89,54,15,92,100,44,69,34	
4.	Write C programming code to PUSH and POP an elements in STACK.	
5	Write C program to perform linear search and Binary search.	
5.	write C program to perfor	
Date	abase Management	Mode of Submission:
System		E-mail : <u>https://forms.gle/PFN57c87HouAw9Ef7</u>
Prof. Jigar Pandya		Subject Line: B.Sc. IT II DBMS
1.		egory DDL and DML in detail with all the commands in brief.
1.		501, 202 and 2012 in dotain with an the commands in orier.



2	Explain Integrity Constraint	s in detail in detail with sysntax and example with all variations.	
3.	 ⇒ Create a table to fields [s_no, s_name required constraints ⇒ Insert at least 15 ⇒ Display all the s ⇒ Change s_name ⇒ Change the salar 	f records in to the table. alesmen details. alesmen salary details with s_no and name. of salesmen who is from the city Ahmedabad. ry of salesmen from the city rajkot. esmen from te city Baroda.	
4.	Perform set theory between Student table and Library table. Explain the practice.		
5.	Create Student table and insert 10 records at least in to it. Create View for the student table and display the content of View.		
		ICW.	
Arch	nputer Organization M hitecture C	Aode of Submission: Google Form: <u>https://forms.gle/cnzjTJB123u4kszG6</u>	
Arch	nputer Organization M hitecture C C. Hardik Patel S	Aode of Submission:	
Arch Prof	nputer Organization M hitecture C C. Hardik Patel S	Aode of Submission: Google Form: https://forms.gle/cnzjTJB123u4kszG6 Gubject Line: B.Sc. IT II COA architecture of a computer? Describe with an example the arithmetic statement D+E)] ons ons ons	
Arch Prof. 1.	puter Organization N hitecture 2 Hardik Patel 8 What is the stored program to evaluate 1. A*[B+C*(1. A*[B+C*(2. F*(G+H)) (a) Using 3 address instructi (b) Using 2 address instructi (c) Using 1 address instructi (d) Using 0 address instructi	Aode of Submission: Google Form: https://forms.gle/cnzjTJB123u4kszG6 Subject Line: B.Sc. IT II COA architecture of a computer? Describe with an example the arithmetic statement D+E)] ons ons ons	
Arch Prof. 1. 2	puter Organization N hitecture 8 Hardik Patel 8 What is the stored program a 8 Write a program to evaluate 1. A*[B+C*(2. F*(G+H)) (a) Using 3 address instructi 9 (b) Using 2 address instructi 1 (c) Using 1 address instructi 1 (d) Using 0 address instructi 1 Define four main component 0 (a) Using 1 1	Aode of Submission: Google Form: https://forms.gle/cnzjTJB123u4kszG6 Subject Line: B.Sc. IT II COA architecture of a computer? Describe with an example the arithmetic statement D+E)] ons ons ons ons ons	

NOTE: After completing your assignments, contact your respective faculty member and submit the assignment for assessment.