Report of Certificate Course: C Programming

Date: 22 January, 2021

Tuljaram Chaturchand College of Arts, Science & Commerce, in First semester of academic year 2020-21 has organized Certificate course in all faculties with subjects which are required for skill improvement of students. Certificate courses with two credits are compulsory for Art, Science and Commerce of UG & PG students. FY BBA(C.A.) was participated in certificate courses with subject 'C Programming'. From our department myself Prof. Madhuri R Saste have conducted this course.

Certificate course with subject C programming has 2 credits which required 10hrs theory part and 20hrs practical part to complete this course. Theory part includes1 Module with Introduction to C programming and Module 2 & 3 are Practical based.

The lectures and practicals were conducted during period 20th December 2020 to 13th January 2021 using online mode (Google Meet). As a pattern of the course more focus was given on practical exposures rather than theoretical aspects. Students got benefitted with practical knowledge and exposure which is required of in the field of Development.

I express my special thanks to Principal Dr. Chandrashekhar V. Murumkar Sir for this certificate course. I also thanks to Dr. Ramchandra Sapkal for their kind support and valuable guidance.
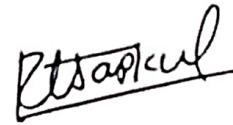
With Regards,

Mrs.M.R.Saste	H.O.D	Certificate
Course Coordinator	BBA(C.A) Department	Course Co-ordinator

Date:19/1/2021

To,

Certificate Course Coordinator,

Tuljaram Chaturchand College of Arts, Science and commerce,

Baramati.

Subject: Certificate course completion report conducted in academic year 2020-21.

Respected Sir,

This is the report of certificate course conducted by BBA(C.A) department in the academic year 2020-21.

The details of the course are as follows:

Certificate Course Name: C Programming

Class:FYBBA (C.A)

Course coordinator: Ms.M.R.Saste

Duration of the course: 30 lectures (20th Dec 2020 to 13th Jan 2021)

Total no of Students: 55

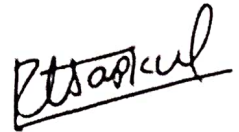After completion of certificate course online examination was conducted on 14/1/2021.

Kindly take a note of it.

Mrs.M.R.Saste
Course Coordinator

H.O.D
BBA(C.A) Department

Certificate
Course Co-ordinator

Anekant Education Society's

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.

(Autonomous)

Time Table

C Programming Certificate Course

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11.15am to 12.15pm	Theory	Theory	Theory	Practical	Practical	Practical
4.00 pm to 5.00pm	Theory	Theory	Theory	Practical	Practical	Practical

w.e.f 20/12/2020

Ms. M.R.Sate
Course In-Charge

Dept. of
BBA (C.A.)

Mrs. S.P.Patil
HOD Certificate Course Co-ordinator

Anekant Education Society's

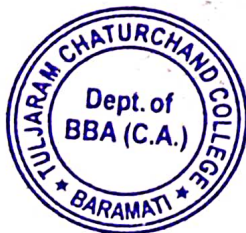# Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)
Department of BBA (Computer Application)
C programming Syllabus

Chapter No.	Topics	No. of Lectures
1	**Introduction to C language** 1.1 History 1.2 Basic structure of C Programming 1.3 Language fundamentals 1.3.1 Character set, tokens 1.3.2 Keywords and identifiers 1.3.3 Variables and data types 1.4 Operators 1.4.1 Types of operators 1.4.2 Precedence and associativity 1.4.3 Expression	3

2	**Managing I/O operations**
	2.1 Console based I/O and related built-in I/O functions
	    2.1.1 printf(), scanf()
	    2.1.2 getch(), getchar()
	2.2 Formatted input and formatted output
		2

3	**Decision Making and looping**		4
	3.1 Introduction		
	3.2 Decision making structure		
	3.2.1 If statement		
	3.2.2 If-else statement		
	3.2.3 Nested if-else statement		
	3.2.4 Conditional operator		
	3.2.5 Switch statement		
	3.3 Loop control structures		
	3.3.1 while loop		
	3.3.2 Do-while loop		
	3.3.3 For loop		
	3.3.4 Nested for loop		
	3.4 Jump statements		
	3.4.1 break		
	3.4.2 continue		
	3.4.3 goto		
	3.4.4 exit		
4	**Functions and pointers**		5
	4.1 Introduction		
	4.1.1 Purpose of function		
	4.1.2 Function definition		
	4.1.3 Function declaration		
	4.1.4 Function call		
	4.2 Types of functions		
	4.3 Call by value and call by reference		
	4.4 Storage classes		
	4.5 Recursion		
	4.6 Introduction to pointer		
	4.6.1 Definition		
	4.6 2 Declaration		
	4.6.3 Initialization		
	4.7 Indirection operator and address of operator		
	4.8 Pointer arithmetic		
	4.9 Dynamic memory allocation		
	4.10 Functions and pointers		
5	**Arrays and Strings**		5
	5.1 Introduction to one-dimensional Array		
	5.1.1 Definition		
	5.1.2 Declaration		
	5.1.3 Initialization		
	5.2 Accessing and displaying array elements		
	5.3 Arrays and functions		
	5.4 Introduction to two-dimensional Array		
	5.4.1 Definition		
	5.4.2 Declaration		
	5.4.3 Initialization		
	5.5 Accessing and displaying array elements		

	5.6 Introductions to Strings
	    5.6.1 Definition
	    5.6.2 Declaration
	    5.6.3 Initialization
	5.7 Standard library functions
	5.8 Implementations without standard library functions.		

6	**Structures and union**
	6.1 Introduction to structure
	    6.1.1 Definition
	    6.1.2 Declaration
	    6.1.3 Accessing members
	6.2 structure operations
	6.3 nested structure
	6.4 Introduction to union
	    6.4.1 Definition
	    6.4.2 Declaration
	Differentiate between structure and union
		5	

7	**C Preprocessor** 7.1 Definition of preprocessor 7.2 Macro substitution directory 7.3 File inclusion directory Conditional compilation	3	
8	**File handling** 8.1 Definitions of files 8.2 File opening modes 8.3 Standard functions 8.4 Random access to files Command line argument	3	
		Total	30

TuljaramChaturchand College of Arts, Science and Commerce, Baramati.

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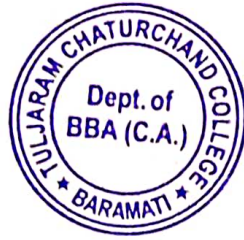### Department of BBA (Computer Application)

Exam Notice

Date: 11 Jan, 2021

All the students of FYBBA(C.A.) are here by informed that the C programming Certificate Course Examination is scheduled on **14th Jan 2021** from morning 10.00 AM to 11.00 AM.

Note - Attendance is compulsory.

Mrs.M.R.Saste
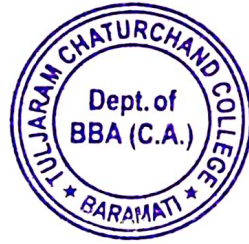Course Coordinator

Dept. of
BBA (C.A.)

H.O.D
BBA(C.A) Department

Anekant Education society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
Department of BBA(Comuputer Application)
C programming Certificate Course marksheet

Sr.No	Class	Roll no	Name of the Student	Marks	Remark
1	FYBBA(C.A)	10901	Pawar Siddhi Dhairyashil	34	Pass
2	FYBBA(C.A)	10902	Deshmukh Suraj Ganesh	36	Pass
3	FYBBA(C.A)	10903	Mane Vinayak Vilas	43	Pass
4	FYBBA(C.A)	10904	Parkale Saurabh Vitthal	36	Pass
5	FYBBA(C.A)	10905	Pawar Shantanu Hanumant	30	Pass
6	FYBBA(C.A)	10907	Jadhav Aditya Sachin	35	Pass
7	FYBBA(C.A)	10908	Kokare Rushikesh Dhananjay	49	Pass
8	FYBBA(C.A)	10909	Ghadage Pranali Rajendra	23	Pass
9	FYBBA(C.A)	10910	Bagal Tushar Pandurang	46	Pass
10	FYBBA(C.A)	10912	Phadtare Aryan Rajendra	45	Pass
11	FYBBA(C.A)	10913	Mane Arjun Anil	37	Pass
12	FYBBA(C.A)	10914	Jawale Anushka Suresh	35	Pass
13	FYBBA(C.A)	10915	Kale Prajakta Arjun	43	Pass
14	FYBBA(C.A)	10916	Borate Yogesh Mohan	35	Pass
15	FYBBA(C.A)	10918	More Shweta Annasaheb	36	Pass
16	FYBBA(C.A)	10920	Hare Kshitija Ashok	40	Pass
17	FYBBA(C.A)	10922	Rasal Aniket Sakharam	44	Pass
18	FYBBA(C.A)	10923	Sonawane Aadesh Haridas	20	Pass
19	FYBBA(C.A)	10924	Gulik Tejal Bapurao	23	Pass
20	FYBBA(C.A)	10925	More Shruti Rajendra	22	Pass
21	FYBBA(C.A)	10926	More Rajeshwari Dilip	41	Pass
22	FYBBA(C.A)	10928	Kokate Omkar Sunil	30	Pass
23	FYBBA(C.A)	10929	Gophane Pranoti Sanjay	24	Pass
24	FYBBA(C.A)	10931	Shelar Suraj Appaso	38	Pass
25	FYBBA(C.A)	10933	Bhapkar Pavan Satish	23	Pass
26	FYBBA(C.A)	10934	Jamdade Saurabh Yuvraj	45	Pass
27	FYBBA(C.A)	10935	Kulkarni Sharvari Sainath	42	Pass
28	FYBBA(C.A)	10936	Girme Eshwari Sanjay	20	Pass
29	FYBBA(C.A)	10937	Dhawale Dnyaneshwari Yuvraj	36	Pass
30	FYBBA(C.A)	10938	Gidde Rutuja Atul	43	Pass
31	FYBBA(C.A)	10939	Solaskar Shubham Sandip	45	Pass
32	FYBBA(C.A)	10940	Rajpure Sanika Sunil	36	Pass
33	FYBBA(C.A)	10941	Sargar Pranali Bharat	44	Pass
34	FYBBA(C.A)	10942	Garale Rohini Ankush	35	Pass
35	FYBBA(C.A)	10943	Ingale Aneesh Rahul	38	Pass
36	FYBBA(C.A)	10944	Waghmare Anushka Devidas	24	Pass
37	FYBBA(C.A)	10945	Shinde Nikita Umesh	25	Pass
38	FYBBA(C.A)	10949	Salunkhe Jaywant Maruti	36	Pass

Head
Department of BBA(Computer Application)
Tuljaram Chaturchand College, Baramati

39	FYBBA(C.A)	10950	Pareek Madhusudan Rohitash	50	Pass
40	FYBBA(C.A)	10952	Sambrekar Utkarsh Raju	47	Pass
41	FYBBA(C.A)	10953	Landge Sneha Amogsiddh	29	Pass
42	FYBBA(C.A)	10955	Pawar Chandrakant Mallesh	32	Pass
43	FYBBA(C.A)	10956	Mane Akshay Mohan	44	Pass
44	FYBBA(C.A)	10957	Gadade Tushar Rohidas	22	Pass
45	FYBBA(C.A)	10958	Gadade Anil Sanjay	29	Pass
46	FYBBA(C.A)	10959	Gadade Nikhil Devidas	32	Pass
47	FYBBA(C.A)	10960	Newase Dattatray Rajendra	42	Pass
48	FYBBA(C.A)	10961	Kharade Onkar Ravindra	45	Pass
49	FYBBA(C.A)	10962	Pandia Suryaparkash Ramavatar	31	Pass
50	FYBBA(C.A)	10965	Zadkar Trupti Kailas	30	Pass
51	FYBBA(C.A)	10967	Pawar Shubham Shantaram	22	Pass
52	FYBBA(C.A)	10969	Kumbhar Rushikesh Anil	36	Pass
53	FYBBA(C.A)	10971	Tarange Rushikesh Sanjay	45	Pass
54	FYBBA(C.A)	10973	Kapse Jivan Dnyandev	38	Pass
55	FYBBA(C.A)	10983	Sapkal Sayli Vijay	37	Pass

Dept. of
BBA (C.A.)
TULJARAM CHATURCHAND COLLEGE
BARAMATI

Head
Department of BBA(Computer Application
Tuljaram Chaturchand College, Baramati

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce,Baramati   (Autonomous)
Department of BBA (Computer Application)

Date: 10ᵗʰ Feb 2021

To,

The Principal,

Tuljaram Chaturchand College of Arts,Scienceand Commerce,

Baramati.

Subject: Request to reimburse the remuneration of certificate course in C programming

(20ᵗʰ Dec 2020 to 13ᵗʰ Jan 2021)

Respected Sir,

With reference to above mentioned   FYBBA(C.A) students have been completed in C programming successfully during the Semester I(20ᵗʰ Dec 2020 to 13ᵗʰ Jan 2021). The course fee total 5,500/-(55 students X 100/-) deposited by students through online payment mode.

As per your permission, regarding remuneration i.e. 70:30 ratio. So I request you to reimburse the amount Rs. 3850/-(70% of 5,500/-) towards the course conducted during Semester-I to the Staff.

Expenses

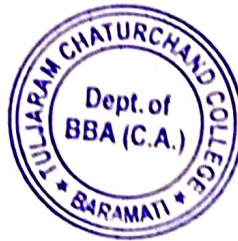| Teaching faculty	Reimbursement Amount
Ms. M.R.Saste	3,850/-
Total	3,850/-

I request you to sanction the expenditure and give kind permission for disbursement of remuneration to teaching staff.

Thanking You,

Yours Sincerely,

Ms. M.R.Sate
Course In-Charge

Mrs. S.P.Patil
Departmental Course Co-ordinator