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GAJANAN CHARITABLE SANSTHA'S
Reg.: MH / 483 / 99 / THANE, 29 / 1950 / Regd. No. F/8187 THANE

RAJMATA JIJAU SCIENCE & COMMERCE NIGHT COLLEGE OF B.Sc. (IT) Code - 981

(Affiliated to University of Mumbai)

Plot No.62/64, Diva Gaon, Sector-09, Airoli, Navi Mumbai - 400708.

Academic Calender(2023 – 24)

Date / Month	Event / Activity
8th June 2023	College Reopen - Commencement of lectures for SY and TY BSc. IT
9th June 2023	Meeting of Staff/Heads of department(formation of committee, distribution of committee work, distribution of teacher planner, distribution of workload and time table)
29th June 2023	Celebration of Ashadhi Ekadashi/Bakari Eid
11th July 2023	Orientation address by the Principal for FY BSc. IT students
12th July 2023	Commencement of regular lecture of FY IT)
25th July 2023	Form filling of ATKT examination (III & IV Sem)
15th August 2023	Celebration of Independence Day
16th August 2023	Holiday-Moharam / Parsi New Year
17th August 2023	ATKT examination(III & IV Sem)
30th August 2023	Holiday - Rakshabandhan
5th Sept 2023	Celebration of Teacher's Day
6th Sept 2023	Formation of Student council
8th Sept 2023	ATKT result (III & IV Sem)
11th Sept to 14th Sept 2023	First Term Class test (TY)
15th Sep to 16th Sept 2023	Form filling of examination (V Sem)
19th Sept to 23rd Sept 2023	Holiday - Ganesh Chaturthi
As per Mumbai University exam date Schedule	Regular Examination - Second Year - Sem : III
2nd Oct 2023	Gandhi Jayanti- Peace Rally
24th Oct 2023	Holiday-Dussehra
As per Mumbai University exam date Schedule	First Year Sem - I Regular & Sem I / II ATKT examination
06th Nov 2023 to 26th Nov 2023	Diwali Vacation
27th Nov 2023	College Reopen - Commencement of Lectures as per timetable
25th Dec 2023 to 1st Jan 2023	Christmas Vacation
2nd Jan 2024	College Reopen - Commencement of Lectures as per timetable
23rd Jan to 24th Jan 2024	Second Term class test - TY
26th Jan 2024	Celebration of Republic Day
7th Feb 2024	Form filling of Examination Sem - VI

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8th March 2024	Holiday - Mahashivratri
10th March 2024	Farewell Function - TY BSC IT
13th March 2024	ATKT examination SEM - I / II / III / IV
25th March 2024	Holiday - Holi
As per Mumbai University exam date Schedule	FY Sem - II Regular & ATKT & SY Sem - IV examination
29th March 2024	Holiday - Good Friday
14th April 2024	Holiday - Dr. Babasaheb Ambedkar Jayanti
17th April 2024	Holiday - Ram Navami
18th April 2024	Result declaration
29th April 2024	Staff meeting
1st May 2024	Maharashtra Day

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University of Mumbai

No. AAMS_UGS/ICC/2023-24/24

CIRCULAR:-

The Directors/Heads of the University Departments, the Principal of the affliated colleges, Head of the recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre, Bharatratna Dr. Babasaheb Ambedkar, Ambadve, (Model College), Smt. Vijayalakshmi Dalvi (Model College) and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya" Government of India, Mumbai – 400 001, are hereby informed that the arrangement of terms in the various faculties of the University for the academic year 2023-2024 has been accepted by the Academic Council at its meeting held on 07th June, 2023 **vide** item No. 9.1 and subsequently approved by the Management Council at its meeting held on 17th June, 2023 **vide** item No. 5 and that in accordance therewith, the arrangement of terms for the courses of studies in the various faculties for the academic year 2023-2024 is under :-

Faculty of Humanities (Arts): - Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses** under the Arts (excluding all Management Studies Courses and B.Ed. degree courses).

First Term - 13th June, 2023 to 11th November, 2023
Second Term – 28th November, 2023 to 01st May 2024
} Both days inclusive

1) Mid Term Break from 19th September, 2023 to 23rd September, 2023 (both days inclusive) Ganpati Vacation.
2) Diwali Vacation from 13th November, 2023 to 27th November, 2023 (both days inclusive).
3) Winter Break from 25th December, 2023 to 31st December, 2023 (both days inclusive).
4) Summer Vacation from 02nd May, 2024 to 11th June, 2024 (both days inclusive).

2/-

Rajmata Jijau Science & Commerce Night College of B.Sc. (I.T.)

Faculty of Science & Technology (Science) - Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses** under the Faculty of Science.

First Term - 13th June, 2023 to 11th November, 2023
Second Term - 28th November, 2023 to 01st May, 2024
} Both days inclusive

1) Mid Term Break from 19th September, 2023 to 23rd September, 2023 (both days inclusive) Ganpati Vacation.
2) Diwali Vacation from 13th November, 2023 to 27th November, 2023 (both days inclusive).
3) Winter Break from 25th December, 2023 to 31st December, 2023 (both days inclusive).
4) Summer Vacation from 02nd May, 2024 to 11th June, 2024 (both days inclusive).

Faculty of Science & Technology (Engineering): - Including SE, TE & BE all Engineering (Full time) all Programs/Branches, ME (Second Year) all Programs/Branches, MCA (Second Year).

First Year Engineering Commencement Date as per CET Cell.

SE (Engineering) And ME (Second Year) (full time) all Programs/Branches.

First Term - 17th July, 2023 to 20th December, 2023
Second Term - 08th January, 2024 to 07th June, 2024
} Both days inclusive

TE & BE all Engineering (full time) all Programs/Branches.

First Term - 10th July 2023, to 20th December, 2023
Second Term - 08th January, 2024 to 07th June, 2024
} Both days inclusive

1) Mid Term Break from 19th September, 2023 to 23rd September, 2023 (both days inclusive) Ganpati Vacation.
2) Winter and Summer Vacation shall be given as per the UGC/University of Mumbai norms

3/-

Rajmata Jijau Science & Commerce Night College of B.Sc. (I.T.)

To,

The Directors/Heads of the University Departments, the Principal of the affliated colleges, Head of the recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre, Bharatratna Dr. Babasaheb Ambedkar, Ambadve, (Model College), Smt. Vijayalakshmi Dalvi (Model College) and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya" Government of India, Mumbai – 400 001.

A.C/9.1/07/06/2023.
M.C/5/17/06/2023.

Copy forwarded with Compliments for information to:-

1) The Dean, of all faculties and Chairman/Chairpersons of the various Board of Studies and **Ad-hoc** Board of Studies,
2) The Director, Board of Examinations and Evaluation,
3) The Director, Board of Students Development,
4) The Director, Department of Information & Communication Technology,
5) The Co-ordinator, MKCL.



Copy for information and necessary action :-

1. **The Deputy Registrar, College Affiliations & Development Department (CAD),**
2. **College Teachers Approval Unit (CTA),**
3. **The Deputy Registrar, (Admissions, Enrolment, Eligibility and Migration Department (AEM),**
4. **The Deputy Registrar, Academic Appointments & Quality Assurance (AAQA)**
5. **The Deputy Registrar, Research Administration & Promotion Cell (RAPC),**
6. **The Deputy Registrar, Executive Authorities Section (EA) He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to the above circular.**
7. **The Deputy Registrar, PRO, Fort, (Publication Section),**
8. **The Deputy Registrar, Special Cell,**
9. **The Deputy Registrar, Fort Administration Department (FAD) Record Section,**
10. **The Deputy Registrar, Vidyanagari Administration Department (VAD),**

Copy for information :-

1. **The Director, Dept. of Information and Communication Technology (DICT), Vidyanagari, He is requested to upload the Circular University Website**
2. **The Director of Department of Student Development (DSD),**
3. **The Director, Institute of Distance and Open Learning (IDOL Admin), Vidyanagari,**
4. **All Deputy Registrar, Examination House,**
5. **The Deputy Registrars, Finance & Accounts Section,**
6. **The Assistant Registrar, Administrative sub-Campus Thane,**
7. **The Assistant Registrar, School of Engg. & Applied Sciences, Kalyan,**
8. **The Assistant Registrar, Ratnagiri sub-centre, Ratnagiri,**
9. **P.A to Hon'ble Vice-Chancellor,**
10. **P.A to Pro-Vice-Chancellor,**
11. **P.A to Registrar,**
12. **P.A to All Deans of all Faculties,**
13. **P.A to Finance & Account Officers, (F & A.O),**
14. **P.A to Director, Board of Examinations and Evaluation,**
15. **P.A to Director, Innovation, Incubation and Linkages,**
16. **P.A to Director, Department of Lifelong Learning and Extension (DLLE),**
17. **The Receptionist,**
18. **The Telephone Operator,**

Copy with compliments for information to :-

19. **The Secretary, MUASA**
20. **The Secretary, BUCTU.**

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Individual Time Table for BSc IT sem 1 sem 3 sem 5 (2023 - 24)							
TIME	FACULTY	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.00 TO 9.50	SYBSC IT (SEM III)	SYIT	-	SYIT	-	-	-
10.10 TO 11.00	FYBSC IT (SEM I)		-	-	FYIT	-	-
10.10 TO 11.00	TYBSC IT (SEM V)	TYIT	-	-	-	-	-
11.00 TO 11.50	SYBSC IT (SEM III)	-	SYIT	-	SYIT	SYIT	-
11.00 TO 11.50	TYBSC IT (SEM V)	TYIT	-	TYIT	TYIT	TYIT	-
11.50 TO 12.40	FYBSC IT (SEM I)	-	-	-	FYIT	CS	-
11.50 TO 12.40	SYBSC IT (SEM III)	-	-	-	-	-	-
11.50 TO 12.40	TYBSC IT (SEM V)	-	TYIT	TYIT	TYIT	TYIT	-
12.40 TO 01.30	FYBSC IT (SEM I)	FYIT	FYIT	-	FYIT	-	-
12.40 TO 01.30	SYBSC IT (SEM III)	-	-	SYIT	-	SYIT	-

FYIT — **Sem 1**

Subject	Faculty Name
DBMS	Dhanshree mam

SYIT — Sem 3

Subject	Faculty Name
DS	Monali mam

TYIT — Sem 5

Subject	Faculty Name
AWP	Chandan sir

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Individual Time Table for BSc IT sem 2 sem 4 sem 6 (2023 - 24)							
TIME	FACULTY	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9.00 TO 9.50	FYBSC IT (SEM II)	FYIT	FYIT	-	FYIT	-	-
9.00 TO 9.50	SYBSC IT (SEM IV)	SYIT	-	SYIT	-	-	-
10.10 TO 11.00	FYBSC IT (SEM II)	-	-	-	FYIT	-	-
10.10 TO 11.00	TYBSC IT (SEM VI)	TYIT	-	-	-	-	-
11.00 TO 11.50	SYBSC IT (SEM IV)	-	SYIT	-	SYIT	SYIT	-
11.00 TO 11.50	TYBSC IT (SEM VI)	TYIT	-	TYIT	TYIT	TYIT	-
11.50 TO 12.40	FYBSC IT (SEM II)	-	-	-	FYIT	-	-
11.50 TO 12.40	SYBSC IT (SEM IV)	-	SYIT	-	-	-	-
11.50 TO 12.40	TYBSC IT (SEM VI)	-	TYIT	TYIT	TYIT	TYIT	-
12.40 TO 01.30	FYBSC IT (SEM II)	FYIT	FYIT	-	FYIT	-	-
12.40 TO 01.30	SYBSC IT (SEM IV)	-	-	SYIT	-	SYIT	-

FYIT Sem 2

Subject	Faculty Name
WP	Dhanashree Mam

SYIT Sem 4

Subject	Faculty Name
EMB SYS	Monali mam

TYIT Sem 6

	Faculty Name
SIC	Aarti mam

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FYIT (SEM I)

Question Bank for the subject Programming with C

Unit 1

1. Write properties of Algorithm or points to be considered while developing the Algorithm.
2. Explain developing an algorithm.
3. Explain flowchart with diagram.
4. Explain programming and programming languages.
5. Explain procedure oriented programming.
6. Explain objective oriented programming.
7. Write characteristics and desirable characteristics of a program.
8. Explain the token of C.
9. Explain constant and variable.
10. Explain escape sequences.
11. Wright structure of C program with example.
12. Explain inherited data type with example.

Unit 2

1. Explain ordering solution in a loop with example.
2. Write a program to find the factorial of the number.
3. Explain next for loop with example
4. Write a program to display the following asking the user phone number of lines.
   1
   12
   123
   1234
   12345
   123456
5. Explain while and do while loops with example.
6. Explain if else selective statement.
7. Explain if else ladder or if else if with example.
8. Explain switch case selective statement with example.
9. Explain branching statements (break, continue and goto) with example.
10. Write a program to check the enter number is Prime or not.
11. Write a program to find the greatest common divisor of two numbers.
12. Write a program to display series of 15 terms of Fibonacci series.

Unit 3

1. Explain user defined function with example.
2. Explain parameters and return type of a function with example.
3. Explain library functions of math.h.
4. Write a program to find the average of three numbers using a function.
5. Explain induction to recursive functions with example.
6. Explain storage class scope rules.
7. Explain error handling stderror() and exit() with example.
8. Write a program to check whether a given to is palindrome or not.
9. Write functions Recon type and parameters arguments.
10. Write a program to find the value of ${}^{n}C_{r}$ (combination) using a function.
11. Write a program to find the factorial of a number using a function.
12. Write a program to find the value of ${}^{n}P_{r}$ (permutation) using a function.

Unit 4



1. Explain single dimensional arrays with example
2. Wright a program. to accept 'n' integers from user improve and array and display the average of these numbers.

3. Write a program to accept 'n' integer from user into an array and display the count of even and odd numbers of these.
4. Write a program to find the largest of 'n' integer number taken from user.
5. Write a program to view user sentence (do not reverse the words).
6. Write a program to shift the elements of a single dimensional array in the right direction by 1 position if the given array is [76 35 43 22] then after execution of the program it should be [22 76 35 43].
7. Wright a program to read elements of a square matrix and to transpose Matrix. Use single two dimensional array.
8. Write a C program to read and display elements of a square Matrix and the transpose to the matrix use single dimensional Matrix throughout the program.
9. Write a program to short and array of integer number in the Sandy order using Bubble sort.
10. Write a program to find sum of diagonal elements of 3 X 3 matrix.
11. Write a program to accept a month number and display the month name (used to dimensional character array).
12. What is need of array? write a C program to find the sum of problem element of two dimensional M X N array A.

Unit 5

1. . Define structure " hockey" consisting of following elements
   (i) Player name
   (ii) name of the country
   (iii) number of matches played
   (iv) number of goal scored
   write a program to read records of 'N' Players and to prepare the following lists
   (i) List prepared according to player's name.
   (ii) list prepare according to country's name
   (iii) list prepare according to number of matches played
   (iv) Please repair according to number of goals scored
2. define structure within structure consisting of following element
   (i) employee code
   (ii) employee name
   (iii) employee salary
   (iv) employee date of joining
   write a C program to read at least 10 record and display them
3. Structure name employeeto print name and number of employee who have 5 years or more experience and salary less than rupees 10000 using array of structure (name, number, experience and Salary as member)
4. define a structure called cricket that will be describe the following information player's name, country name, best score batting average. Develop a program that will store information of 25 cricket players around the world using the structure, also display name of this cricketers in descending order with respect to their batting average.
5. write a program to accept a set of characters from user until the user presses the full stop and append it in a text file. Read from the file and display the content of the file.
6. write short note on Bit fields.
7. Explain Call by Value and Call by Reference with one programming example each.
8. Write a program to declare integer pointer store 10 numbers in the pointer use new operator to allocate memory for 10 integer read and display the numbers.
9. How will you declare and initialise of pointer? write a program for interchange (swap) to variable using pointer.
10. What is a pointer? How will you declared and initialise a pointer? write a program to swap to integers using pointers and using reference variable the program should have to different functions (use of class is optional)
11. Write a program using pointer to allocate memory for 10 integer read and print this integer find average of these integers.
12. Write a program to accept top 10 numbers and print the numbers using pointers.

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