



St. JOHN'S COLLEGE OF ARTS & SCIENCE

(An ISO 9001 : 2008 Certified Institution)
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
(A Christian Minority Institution)

John's College Road, Ammandivilai, Kanyakumari District - 629 204,
Tamil Nadu. Visit us at : www.stjohnskk.ac.in



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1.1 Curricular Planning and Implementation

Syllabus prescribed by the University

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

UG COURSES – AFFILIATED COLLEGES

B.Sc. Mathematics

(Choice Based Credit System)

(with effect from the academic year 2017-2018 onwards)

Sem	Part	Sub. No	Subject Status	Subject title	Hrs / Week	Credits	Marks				
							Maximum			Passing minimum	
							Int.	Ext.	Tot.	Ext.	Tot.
I	I	1	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	2	Language	English	6	4	25	75	100	30	40
	III	3	Core -1	Calculus	5	4	25	75	100	30	40
		4	Core-2	Classical Algebra	5	4	25	75	100	30	40
		5	Allied-I	Statistics-I OR Physics/ Chemistry/ Computer Science With Practicals	6	3	25	75	100	30	40
					6	4	25	75	100	30	40
	IV	6	Common	Environmental Studies	2	2	25	75	100	30	40
II	I	7	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	8	Language	English	6	4	25	75	100	30	40
	III	9	Core-3	Analytical Geometry of Three Dimensions	5	4	25	75	100	30	40
		10	Core-4	Differential Equations	5	4	25	75	100	30	40
		11	Allied-I	Statistics -II OR Physics/ Chemistry/ Computer Science With Practicals	6	3	25	75	100	30	40
					6	4	25	75	100	30	40
	IV	12	Common	Value Based Education/	2	2	25	75	100	30	40

				Social Harmony							
III	I	13	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	14	Language	English	6	4	25	75	100	30	40
	III	15	Core-5	Real Analysis-I	6	4	25	75	100	30	40
		16	Allied-II	Statistics-I	6	3	25	75	100	30	40
				OR Physics /Chemistry With Practicals	6	4	25	75	100	30	40
		17	Skilled Based core	Vector Calculus	4	4	25	75	100	30	40
IV	IV	18	Non-major Elective	Any one of the following 1.1) Mathematics for Competitive Examinations I 1.2) Fundamentals of Statistics I	2	2	25	75	100	30	40
	I	19	Language	Tamil/Other Languages	6	4	25	75	100	30	40
	II	20	Language	English	6	4	25	75	100	30	40
	III	21	Core-6	Abstract Algebra I	5	4	25	75	100	30	40
		22	Allied-II	Statistics II	6	3	25	75	100	30	40
				OR Physics/ Chemistry with Practicals	6	4	25	75	100	30	40
IV	IV	23	Non-major Elective	Any one of the following 2.1) Mathematics for Competitive Examinations II 2.2) Fundamentals of Statistics II	2	2	25	75	100	30	40
		24	Common	Personality Development . and Yoga	4	4	25	75	100	30	40
	V		Extension Activities	NCC/NSS/YRC/Y WF	-	1	-	-	-	-	-

Workload Assigned to the staff members

Faculty Subject Allocation Details **Even Semester 2019-2020**

Mrs.R.Amalal Rose

Class	Subject Name	Hours
I M.Sc	Open Source Technology	5T+4P
II B.Sc(M)	NME(Basic Programming Design)	2
I B.Sc(M)	Value Based Education	2
II B.B.A	Computers for digital Era	2
Total		15

Mrs.S.Renuka

Class	Subject Name	Hours
I M.Sc	Data Mining	4
II B.Sc	RDBMS	5
I B.Sc	Digital Design	3
III B.Sc	RDBMS lab	4
Total		16

Mis.A.Amalal Arul Reji

Class	Subject Name	Hours
III BSc	Data Mining	4
II B.Sc	Visual Basic	4T+4P
III B.Sc	Android Programming (P)	4
Total		16

Mr.Subash

Class	Subject Name	Hours
III BSc	Operating system	5
II B.Sc	Python Lab	4
II B.Sc	Android Programming(T)	4
I M.Sc	Security in Computing	4
Total		17

Mrs.A.Arul Raja Prabha

Class	Subject Name	Hours
I M.Sc	Web Application Development	5T+4P
II B.Sc	Information Security	4
III B.Sc	Internet of things	4
Total		17

Mrs.P.J.Mahiba

Class	Subject Name	Hours
I M.Sc	ADBMS	4
II B.Sc	E.Commerce	3
I B.Sc	Programming with CPP	5T+4P
III B.Com	Project	1
Total		17

Mr.Jose

Class	Subject Name	Hours
I B.Sc	Linux	4
III B.Sc	Computer Graphics and multimedia	5T+4P
III B.Com	Project	2
Total		15

Time Table prepared by the College

Time Table 2019-20 (Even Semester)

I B.Sc	1	2	3	4	5
1	ENG(JJ)	CPP(PJM)	TAMIL(SJ)	LINUX(L)	CPP(L) (PJM)
2	CPP(PJM)	DD(REN)	ENG(JJ)	VBE(RAR)	TAMIL(SJ)
3	TAMIL(SJ)	CPP(PJM)	ENG(JJ)	CPP(L) (PJM)	LINUX(L)
4	CPP(PJM)	TAMIL(SJ)	VBE(RAR)	ENG(JJ)	DD(REN)
5	CPP(L) (PJM)	LINUX(L)	TAMIL(SJ)	DD(REN)	ENG(JJ)
6	ENG(JJ)	CPP(PJM)	TAMIL(SJ)	LINUX(L)	CPP(L) (PJM)

II B.Sc	1	2	3	4	5
1	VB (AAR)	AN(SN)	PYT (L)(SN)	RDBMS (REN)	IS(ARP)
2	IS(ARP)	VB (AAR)	AN(SN)	VB (LAB) AAR	NME
3	PYT (L)(SN))	PYT (L)(SN))	NME	RDBMS (REN)	VB (LAB) AAR
4	VB (LAB)AAR	VB (LAB)AAR	E.COM(PJM)	PYT (L) (SN)	AN (SN)
5	VB (AAR)	RDBMS(REN)	E.COM(PJM)	AN (SN)	IS(ARP)
6	RDBMS(REN)	VB (AAR)	IS(ARP)	E.COM (PJM)	RDBMS (REN)

III B.Sc	1	2	3	4	5
1	CG(JAJ)	IOT(ARP)	DM(AAR)	OS(SN)	CG(JAJ)
2	CG LAB (JAJ)	CG(JAJ)	AN (LAB)AAR	RDBMS LAB (REN)	RDBMS LAB (REN)
3	DM(AAR)	CG (JAJ)	AN (LAB)AAR	OS(SN)	IOT(ARP)
4	RDBMS LAB (REN)	RDBMS LAB (REN)	CG(JAJ)	IOT(ARP)	CG LAB (JAJ)
5	OS(SN)	IOT(ARP)	AN (LAB)AAR	DM(AAR)	OS(SN)
6	CG LAB (JAJ)	CG LAB (JAJ)	AN(LAB)A AR	OS(SN)	DM(AAR)

I M.Sc	1	2	3	4	5
1	OST LAB (RAR)	OST LAB (RAR)	WAD LAB ARP)	OST (RAR)	DM(REN)
2	SC (SN)	OST (RAR)	WAD (ARP)	ADBMS(PJM)	WAD (ARP)
3	DM(REN)	OST (RAR)	ADBMS(PJM)	WAD (ARP)	SC (SN)
4	SC (SN)	WAD (ARP)	WAD LAB ARP	OST (RAR)	ADBMS(PJM)
5	WAD LAB ARP	OST LAB (RAR)	DM(REN)	ADBMS(PJM)	OST (RAR)
6	OST LAB (RAR)	SC (SN)	DM(REN)	WAD (ARP)	WAD LAB ARP

Academic Calendar prepared by the IQAC



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Tamil Nadu - 629 204. Visit us at : www.stjohnskk.ac.in



HAND BOOK & CALENDAR 2018 - 2019

Academic Calendar for the year 2018-2019

Date	Day	October - 2018	Day Order
1	Mon		
2	Tue	Gandhi Jayanthi	2
3	Wed		
4	Thur		3
5	Fri		4
6	Sat		5
7	Sun		
8	Mon		
9	Tue		6
10	Wed		1
11	Thur		2
12	Fri		3
13	Sat		4
14	Sun		
15	Mon	Model Exam begins	
16	Tue		5
17	Wed		6
18	Thur	Ayudha Poojai	1
19	Fri	Vijaya Dasami	
20	Sat		
21	Sun		
22	Mon		
23	Tue		2
24	Wed		3
25	Thur		4
26	Fri	Clearance of dept Dues	5
27	Sat		6
28	Sun		
29	Mon		
30	Tue		1
31	Wed	Hall Ticket – Last Working day	2
Total No of working days (73+20)			3
			93

The highest goal of learning is to know God

Academic Calendar - 2019

January - 2019

Date	Day		Day Order
1	Tue	New Year Day	
2	Wed	College Re-opens After Christmas Holidays	6
3	Thur		1
4	Fri	Physics Day	2
5	Sat	Holy Spirit Mass	3
6	Sun		
7	Mon		4
8	Tue		5
9	Wed		6
10	Thur		1
11	Fri		2
12	Sat	Pongal Celebrations	3
13	sun	Excursion	
14	Mon	Pongal / Excursion	
15	Tue	Excursion	
16	Wed	Thiruvalluvar Day	
17	Thur	Uzhavar Thirunal	
18	Fri		4
19	Sat	Fathers Day	5
20	Sun		
21	Mon		6
22	Tue		1
23	Wed		2
24	Thur		3
25	Fri		4
26	Sat	Republic Day	
27	Sun		
28	Mon	I Internal Exam begins	5
29	Tue		6
30	Wed		1
31	Thu		2
Total No of working days (11+21)			32

will praise you, for I am fearfully and wonderfully made. Ps.139:4

Academic Calendar for the year 2018-2019

Date	Day	November - 2018	Day Center
1	Thur	Formation of R.K. Dist- Local Holiday	
2	Fri		
3	Sat		
4	Sun		
5	Mon		
6	Tue	Deepavali	
7	Wed		
8	Thur	University Exam begins	
9	Fri		
10	Sat		
11	Sun		
12	Mon		
13	Tue		
14	Wed		
15	Thur		
16	Fri		
17	Sat		
18	Sun		
19	Mon		
20	Tue		
21	Wed	Milad -un- nabi	
22	Thur		
23	Fri		
24	Sat		
25	Sun		
26	Mon		
27	Tue		
28	Wed		
29	Thur		
30	Fri		

Repentance is the hurt that leads to healing

Course Plan

St.John's College of Arts & Science, Ammandivilai
Department Of Computer Applications - Course Plan

Name of the Staff: A.ARUL NIJANI

Subject : Advanced Java Programming

Units : 5

Text Book : C.Muthu,"Programming with Java",Second edition(Unit1)

Jim Keogh,"The Complete Reference J2EE",TMH,2004(reprint)(Units 2,3,4,5)

Year : 2018-2019

Semester: 1st Semester

Course : M.Sc (C.Sc)

S.No	Date	Day Order	Hour	Topics As Per the Syllabus	Area Of Discussion	Handled on	Hour Handled	Sign. of The staff
1	16/07/2019	4	2,5	Unit 1	Introduction to Java	16/7/19	2.5	A
2	17/07/2019	5	4	Classes and Objects	Classes and Objects:Introduction,General form of class,Creation of Objects	17/7/19	4	B
3	18/07/2019	6	5		Constructor:Usage,this keyword,ConstructorOverloading,Copy Constructor	18/7/19	5	A
4	19/07/2019	1	3		Static data members,Methods,finalize(), Inner and Anonymous class	19/7/19	3	A
5	01/08/2019	4	2,5	Inheritance, Polymorphism	Introduction to Inheritance,Polymorphism,Inheriting variables in a class,Inheriting Methods	1/8/19	2,5	B

Weekly Test Paper

Karthika Devi. K.

Solve the equation $x^4 - 5x^3 + 4x^2 + 8x - 8 = 0$
given that one of the roots is $1 - \sqrt{5}$.

Sol.

Given: $x^4 - 5x^3 + 4x^2 + 8x - 8 = 0$ — (1)

$1 - \sqrt{5}$ is a root of equation (1).
 $1 + \sqrt{5}$ is also a root of equation (1).

Consider,

$$(x - (1 - \sqrt{5}))(x - (1 + \sqrt{5})) = 0$$
$$((x - 1) + \sqrt{5})(x - 1 - \sqrt{5}) = 0$$
$$[(x - 1)^2 - (\sqrt{5})^2] = 0$$
$$[x^2 - 2x + 1 - 5] = 0$$
$$[x^2 - 2x - 4] = 0$$
$$x^2 - 2x - 4$$
$$\frac{x^4}{x^2} = \frac{x^2}{x^2}$$
$$\frac{-3x^2}{x^2} = \frac{-3}{x^2}$$
$$\frac{2x^2}{x^2} = \frac{2}{x^2}$$

The other root of equation is

$$x^2 - 3x + 2 = 0$$

$$\begin{array}{r} x^2 - 3x + 2 \\ x^4 - 5x^3 + 4x^2 + 8x - 8 \\ \underline{-(x^4 - 3x^3 + 2x^2)} \\ 2x^3 - 2x^2 + 8x - 8 \\ \underline{-(2x^3 - 6x^2 + 4x)} \\ 4x^2 - 4x - 8 \\ \underline{-(4x^2 - 12x + 8)} \\ 8x - 16 \\ \underline{-(8x - 16)} \\ 0 \end{array}$$



Continuous Internal Assessment Question Paper

20183222506805

ST. JOHN'S COLLEGE OF ARTS AND SCIENCE,
AMMANDIVILAI.
II M.SC Computer Science
I Internal Assessment Test
Third Semester
MAJOR – Soft Computing

Max - 30 Marks Time – 1.45Hrs.

Part-A (5*1=5 marks)
Choose the correct answer:

- Which carries the impulses of the neuron
(a) Soma (b) Cell body
(c) Dendrites (d) Axon
- Competitive interconnections having fixed weight of $-\infty$. This net is called
(a) Recurrent Net (b) Super Net
(c) Min Net (d) Max Net
- M-P neurons are mostly used in
(a) Linear fn (b) Logarithmic fn
(c) Logic fn (d) Binary fn
- Adaline trained using _____ rule
(a) Alpha (b) Gamma (c) Delta (d) Beta
- In case of BAM, a definite _____ threshold is assigned.
(a) Zero (b) Nonzero
(c) One (d) More than One

Part-B (3*4=12 marks)
Answer the following

6. (a) Explain about Biological Neural Network.
(or)
(b) Explain about important terminologies of ANNs.

Continuous Internal Assessment Answer Script

St. John's College of Arts & Science
Ammandivilai, Kanyakumari District - 629 204.

Subject Name & Subject Code Advanced Java Programming Register No. _____
Student Name S. Mini Date 03/09/19
Department I. MSc. Computer Science

part - A

1. Abstract Class
2. Interface
3. Business Tier
4. Client view
5. Thread

part - B

6. a. Copy Constructor:

The Copy Constructor is the duplicated constructor. This situation we need the special type of constructor it is called the Copy Constructor.

95/20

First Year Data Entry Sample

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI								
FIRST YEAR STUDENT ENTRY DETAILS for NOVEMBER - 2019								
322 - ST. JOHN'S COLLEGE OF ARTS & SCIENCE, AMMANDIVILAI								
Batch : 1								
Degree : UG								
Course Name : 1517 B.Sc. MATHEMATICS								
S.No	Ctg Type	Student Name	Dob	Gender	Community	Mobile No	Tamil Name	Aadhar No
1	Self-Finance	ABINESH R	02/10/2001	Male	BC	9597294910	அபினேஷ் ரா	5993618931484
2	Self-Finance	AJISHA A	18/11/2001	FeMale	BC	7373594526	அஜிஷா அ	6404639071424
3	Self-Finance	AJITHA A	04/04/2002	FeMale	MBC/DNC	9344396730	அஜிதா அ	6682417322122
4	Self-Finance	AKSHAYA R	01/03/2002	FeMale	BC	9486652224	அக்ஷயா ரா	5406711614924
5	Self-Finance	ARSHITHA BEEVI S	14/07/2002	FeMale	BC(M)	8489080634	அர்ஷிதா பீவி ஷா	7618136041712
6	Self-Finance	ASHA I	19/03/2001	FeMale	BC	9486925376	ஆஷா ஜி	2863852109964
7	Self-Finance	ASHA M	08/01/2002	FeMale	BC	9380289092	ஆஷா மு	8993331871629
8	Self-Finance	ASHIKA M	17/11/2001	FeMale	BC	9442257883	ஆஷிகா மோ	5585714309994
9	Self-Finance	BELVINI R	10/04/2002	FeMale	BC	9486960681	பெல்வினி ரெ	9898271500418
10	Self-Finance	BENISHYA R	24/11/2001	FeMale	BC	9486756993	பெனிஷியா ரா	4261081249576
11	Self-Finance	BERSHILIN JENAL M	21/12/2001	FeMale	MBC/DNC	9786139658	பெர்ஷிலின் ஜெனால	9287724080497
12	Self-Finance	DESLIN JEENU M	08/11/2000	FeMale	BC	8508054365	டெஸ்லின் ஜீனு மி	6242096558975
13	Self-Finance	ELAKIYA JUDE J	26/08/2001	FeMale	MBC/DNC	7598620127	இலக்கியா ஜூட்	9230345818651
14	Self-Finance	FENIL JACY S	24/01/2002	FeMale	MBC/DNC	7200344042	பெனில் ஜாஸி சு	5716456429523
15	Self-Finance	GLADIS J	25/09/2002	FeMale	MBC/DNC	8940924936	கிளாடிஸ் ஜே	9432461517201
16	Self-Finance	GREEFA Y	14/12/2001	FeMale	BC	9159568343	கிரீபா ஏ	2431923645120
17	Self-Finance	HARI SREE G	31/05/2002	FeMale	BC	9489285863	ஹரிஸ்ரீ கோ	7385365569806
18	Self-Finance	HEPSIBA AASHA A	13/09/2002	FeMale	MBC/DNC	7667235878	ஹெப்சிபா ஆயிஷா	6079454260004
19	Self-Finance	JAFRIN BLESSI K	09/08/2001	FeMale	MBC/DNC	9994224568	ஜாபிரின் ப்ளேசி கி	7039513009637
20	Self-Finance	JAFRIN MILASHINI M	17/07/2002	FeMale	MBC/DNC	9786504516	ஜாபிரின் மிலாஸ்னி மி	8119805895441
21	Self-Finance	JENANI J	22/05/2002	FeMale	MBC/DNC	9042475504	ஜெனனி ஜோ	7351750964832
22	Self-Finance	JINU R	10/04/2002	FeMale	BC	9944426068	ஜினு ரி	8529002804861
23	Self-Finance	JOHNCY RANI J	27/04/2002	FeMale	MBC/DNC	7708753670	ஜான்சி ராணி ஜோ	5973350565866
24	Self-Finance	KARTHICKA DEVI K	24/01/2002	FeMale	BC	8903532617	கார்த்திகா தேவி கு	4546442125366
25	Self-Finance	KEBIN A	17/11/2001	Male	MBC/DNC	9486626054	கெபின் அ	5005616052787
26	Self-Finance	LERUKA STEBITHA S	01/02/2001	FeMale	MBC/DNC	9894655320	லெருகா ஸ்டீபிதா ஸ்	7423491060160
27	Self-Finance	LINCY U	09/05/2002	FeMale	MBC/DNC	8220612564	லின்ஸி யூ	9949392741722
28	Self-Finance	MAHISHA C P	08/11/2001	FeMale	BC	9442362125	மகிஷா செ பு	8737501467116
29	Self-Finance	MARY JEBISHA M	15/11/2001	FeMale	BC	9442987660	மேரி ஜெபிஷா ம	4268331674112
30	Self-Finance	MERSIN SUSHMA G	07/10/2001	FeMale	BC	9944694537	மேர்சின் சுஷ்மா கி	7584744010418
31	Self-Finance	PRATHISHA V	22/12/2001	FeMale	MBC/DNC	7502925595	பிரதிஷா வி	9981075459440
32	Self-Finance	SAHAYA RASHMI JINI S	15/03/2002	FeMale	MBC/DNC	7598723638	சகாய ரஷ்மி ஜினி சி	3945462531525
33	Self-Finance	SAHAYA SHELMA X	02/06/2002	FeMale	MBC/DNC	7708717293	சகாய செல்மியா கே	3286076433831
34	Self-Finance	SAHAYA SNEKA P	17/07/2002	FeMale	MBC/DNC	9943419327	சகாய சினேகா ப	7505736383306
35	Self-Finance	SEBILA S	30/03/2002	FeMale	BC	9487189108	செபிலா செ	2755043819688
36	Self-Finance	SHAJIRA JOSHI E	29/03/2002	FeMale	MBC/DNC	6369797361	ஷஜிரா ஜோஷி எ	3634052218141
37	Self-Finance	SHYJA S	08/03/2002	FeMale	MBC/DNC	7639019936	ஷைஜா சே	4475111838464
38	Self-Finance	STEPI J	11/08/2001	FeMale	BC	9677735400	ஸ்டீபி ஜே	7337876649752
39	Self-Finance	SUJITHA MOL N	21/11/2002	FeMale	MBC/DNC	9585145518	சுஜிதா மோன் நி	7944325852522
40	Self-Finance	THARSHIYA THANU P	23/09/2001	FeMale	MBC/DNC	8056645070	தர்ஷியா தானு ப	6732445685437
41	Self-Finance	VASANTH SAMUEL	06/03/2002	Male	BC	9344041707	வசந்த் சாமுவேல்	5803655956040
42	Self-Finance	ADULSHIN A					அடல்ஷின் அ	
43	Self-Finance	VIDHYA M	29/11/2001	FeMale	BC	9487311883	வித்யா ம	8362747464474
44	Self-Finance	VIJIS	14/05/2002	FeMale	BC	7598526395	விஜி சு	2836473310394
45	Self-Finance	VINCY V	10/05/2002	FeMale	BC	9786736128	வின்சி வி	4221037880211



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Dr. M. EDWIN GNANADHAS, Ph.D
Principal

DECLARATION

I hereby declare that the details and information given above are complete and true to the best of my knowledge and belief.

Principal
Dr. M. EDWIN GNANADHAS
PRINCIPAL
St. John's College of Arts and Science
Ammandivilai- 629 204

Mission

To provide accessible, affordable and personalized educational opportunities and character building founded on the Christian values of Faith, Hope and Love

Vision

To create an environment in which our students can fulfill their potential, pursue excellence, overcome the challenges and be the global leaders of the future