



# J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

## ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) / E-Mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

Contact No : +919789456750, +919943066944, +919943069944.

**Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,**  
**Principal**

ADD ON COURSE	JAVA PROGRAMMING
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2022-2023
DATE	02.09.2022 to 07.09.2022
VENUE	SEMINAR HALL

### REPORT

**MRS.K.SATHYASUNDARI, MCA.,(Ph.D)**

ASSOCIATE PROFESSOR, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL  
COLLEGE OF PHARMACY, KOMARAPALAYAM.

**No. of students enrolled: 69**

**No. of students certified: 65**

**No. of students Absent: 04**

**Objective:**

The objective of this value added JAVA programming provides the information about the most important features of Java are Platform Independent and Object Oriented. It provides GUI components design with the Java Swing API, Java generics and Java Collections API. It helps to read and write files in Java and design applications with threads in Java.

**Note: Certificate will be issued for the students attending more than three days**

**Learning outcomes:**

- To learn why Java is useful for the design of desktop and web applications.
- To learn how to implement object-oriented designs with Java.
- To identify Java language components and how they work together in applications.
- To design and program stand-alone Java applications.
- To learn how to design a graphical user interface (GUI) with Java Swing.
- To understand how to use Java APIs for program development.
- To learn how to extend Java classes with inheritance and dynamic binding.
- To learn how to use exception handling in Java applications.

*R. Vignesh*  
Programme  
Co-ordinator



*[Signature]*  
HOD

*[Signature]*  
Principal  
Dr. N.SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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**Principal**

REF.NO:JKKM/PG-PHARM.CHEM/REQ/2023/001

Date: 01.09.2022

From

Department of Pharmaceutical chemistry,  
JKKMMRF'S Annai JKK Sampoorni Ammal College of Pharmacy.  
Komarapalayam, Namakkal [Dist]  
Tamil Nadu, PIN:638183.

To

The Principal,  
JKKMMRF'S Annai JKK Sampoorni Ammal College of Pharmacy.  
Komarapalayam, Namakkal [Dist]  
Tamil Nadu, PIN:638183.

Respected Sir,

Subject:Letter for requesting Permission to Conduct an ADD ON COURSE regarding:-

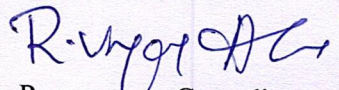
We Are writing this letter to request permission to conduct a seminar in the **SEMINAR HALL** on **02.09.2022 to 07.09.2022**. We wish to conduct a seminar regarding the **JAVA PROGRAMMING**. We believe this will be a very informative session that many students will wish to attend.

We request you to kindly permit to conduct training program as this would be a great opportunity for Students to learn all about **JAVA PROGRAMMING** that would help a great deal to shape the students.

Looking forward to hearing from you.

Thank you,

Yours sincerely,

  
Programme Co-ordinator

  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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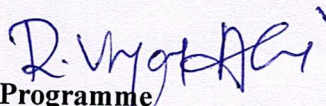
### CIRCULAR

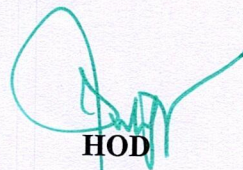
This is informto the ALL PHARM., M.PHARM [SEM-I], B.PHARM[SEM-I] Students that the following value added course can be conducted by the Department of Pharmaceutical Chemistry, ANNAI JKK SAMPOORANIAMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

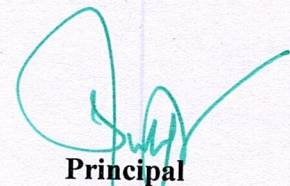
Course Name	Schedule	Duration	Venue	Resource Person
JAVA PROGARRMING	02.09.2022 to 07.09.2022	32 HRS	SEMINAR HALL	Mrs.K.SATHYASUNDARI

All the above mentioned students must enrol and actively participate in the course without fail.

**NOTE: Certificates should be issued to all the students after completion of the course and examination.**

  
Programme  
Co-ordinator

  
HOD

  
Principal

**Dr. N.SENTHILKUMAR,**  
**PRINCIPAL**

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### SYLLABUS

DATE	HOURS	TOPIC	SUB TOPICS	RESOURCE PERSON
02.09.2022	6HRS	JAVA PROGRAMMING	JAVA FUNDAMENTALS	Mrs.K.SATHIYASUNDARI
03.09.2022	5 HRS		OOPS CONCEPT	
04.09.2022	5 HRS		BASIC JAVA CONSTRUCTS LIKE LOOPS & DATA TYPES	
05.09.2022	5 HRS		STRING HANDLING	
06.09.2022	5 HRS		COLLECTION FRAMEWORK	
07.09.2022	6 HRS		MULTITHREADING	



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### ABOUT US

DR. J.K.K.MUNIRAJAH, A LEADING INDUSTRIALIST OF KOMARPALAYAM TOWN, NAMAKKAL DT, TAMILNADU, INDIA IS THE CHAIRMAN AND MANAGING TRUSTEE OF ANNAI J.K.K.SAMPOORANI AMMAL CHARITABLE TRUST. HE HAD HIS POST GRADUATE STUDIES IN "TEXTILE MANAGEMENT" RENOWNED BOLTON INSTITUTE OF TECHNOLOGY, BOLTON, UNITED KINGDOM. HE IS THE MANAGING DIRECTOR OF TWO TEXTILE SPINNING MILLS, ONE AT KOMARAPALAYAM, AND ANOTHER AT TIRUCHENGODE. HE HAS FORTY YEARS OF EXPERIENCE IN ADMINISTERING INDUSTRIAL ESTABLISHMENTS.

HE FOUNDED ANNAI J.K.K.SAMPOORANI AMMAL CHARITABLE TRUST IN MEMORY OF HIS BELOVED MOTHER IN 1971 FOR THE PURPOSE OF PROVIDING HEALTH CARE AND EDUCATION TO THE PUBLIC AT LARGE.HE FOUNDED UNDER THE AUSPICES OF THE TRUST,A HUNDRED BEDDED HOSPITAL AND ALSO PARAMEDICAL INSTITUTIONS OFFERING COURSES BOTH DEGREE AND DIPLOMA IN FACULTIES OF NURSING PHARMACY AND PHYSIOTHERAPY AT KOMARAPALAYAM NAMAKAL DT,TAMILNADU,INDIA.



**JKKMMRF'S ANNAI  
JKK SAMPOORANI  
AMMAL COLLEGE OF  
PHARMACY,  
KOMARAPALAYAM**

**DEPARTMENT OF  
PHARMACEUTICAL  
CHEMISTRY**

**TOPIC: JAVA  
PROGRAMMING**

**VENUE:SEMINAR HALL**

**DATE :02.09.22 TO 07-09-22**

**TIME: 9 AM TO 6 PM**



### RESOURCE PERSON



**MRS.K.SATHYASUNDARI,MCA,  
ASSOCIATEPROFESSOR  
DEPARTMENT OF PHARMACEUTICS**



**JKKMMRF'S ANNAI JKK  
SAMPOORANIAMMAL  
COLLEGE OF PHARMACY,  
KOMARAPALAYAM**

### SUB TITLE

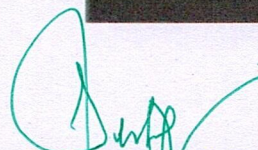
- JAVA FUNDAMENTALS
- OOPS CONCEPTS (DATA ABSTRACTION, ENCAPSULATION, INHERITANCE, POLYMORPHISM)
- BASIC JAVA CONSTRUCTS LIKE LOOPS AND DATA TYPES.
- STRING HANDLING.
- COLLECTION FRAMEWORK.
- MULTITHREADING.
- EXCEPTION HANDLING.
- GENERICS.
- SYNCHRONISATION

### ORGANIZING COMMITTEE

**DEPARTMENT OF  
PHARMACEUTICAL  
CHEMISTRY**

- Mr.Vijayamirtharaj
- Mrs.B.Anbarasi
- Dr.K.Sumathi
- Dr.A.Chitra
- Dr.T.Venkatachalam
- Dr.M.Chitra
- Dr.P.Kalaiselvi
- Mr.Suresh kannan
- Ms.P.Gayathri
- Mrs.R.Shakthi



  
**Dr. N.SENTHILKUMAR,  
PRINCIPAL,**

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**ADD ON COURSE NAME: JAVA PROGRAMMING**

### RESOURCE PERSON PROFILE



Name : Mrs.K.Sathyasundari  
Designation : Associate Professor  
Department : Pharmaceutics  
Organization : Jkk Munirajah Medical Research Foundation – Annai Jkk Sampoorani  
Ammal College of Pharmacy, Komarapalayam  
Phone Number : +91 -9080048818  
Email Id : [selvisathika@gmail.com](mailto:selvisathika@gmail.com)  
Qualification : MCA.,(Ph.D)  
Experience :15  
Address : 6/987 Subramaniam street, Kalingarayan palayam, Bhavani,  
Erode-638316



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### LIST OF STUDENTS ATTENDENCE FOR THE COURSE

S. N O	REG.NO	NAME OF THE STUDENTS	COURSES	4/9	5/9	6/9	7/9	8/9	9/9	11/9	12/9
1	PHARM D/319/2022	JOTHIPRAKASH A	I PHARM D	/	/	/	/	/	/	/	/
2	PHARM D/320/2022	KIRTHICK ROSHAN R	I PHARM D	/	/	/	/	/	/	/	/
3	PHARM D/321/2022	KIRUBA K	I PHARM D	/	/	/	/	/	/	/	/
4	PHARM D/322/2022	LOKESH L	I PHARM D	/	/	/	/	/	/	/	/
5	PHARM D/323/2022	MANIKANDAN V	I PHARM D	/	/	/	/	/	/	/	/
6	PHARM D/324/2022	ANNOJ C	I PHARM D	/	/	/	/	/	/	/	/



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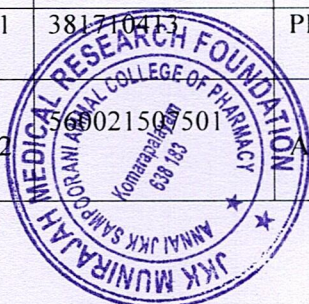
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7	PHARM D/325/2022	MOHAMMED A	I PHARM D	/	/	/	/	/	/	/	/
8	PHARM D/326/2022	MOHANAPRIYA S	I PHARM D	/	/	/	/	/	/	/	/
9	PHARM D/327/2022	MOHANRAJ R	I PHARM D	/	/	/	/	/	/	/	/
10	PHARM D/328/2022	NITHYA SHREE S	I PHARM D	/	/	/	/	/	/	/	/
11	381710401	ANDLY CHEDRICK C	VI PHARM D	/	/	/	/	/	/	/	/
12	381710402	ASHA M	VI PHARM D	/	/	/	/	/	/	/	/
13	381710403	ASHRITHA D N	VI PHARM D	/	/	/	/	/	/	/	/
14	381710404	DEEPIKA K	VI PHARM D	/	/	/	/	/	/	/	/
15	381710405	HARINI R	VI PHARM D	/	/	/	/	/	/	/	/
16	381710406	JAYAPRAKASH U	VI PHARM D	/	/	/	/	/	/	/	/
17	381710407	JEBISH G S	VI PHARM D	/	/	/	/	/	/	/	/
18	381710408	JEMISHA J	VI PHARM D	/	/	/	/	/	/	/	/
19	381710409	KAVINKISHORE S	VI PHARM D	/	/	/	/	/	/	/	/
20	381710411	MUKILAN M	VI PHARM D	/	/	/	/	/	/	/	/
21	381710413	PREETHI T	VI PHARM D	/	/	/	/	/	/	/	/
22	381710415	ABDULLAAH S	SEM-III B.PHARM	/	/	/	/	/	/	/	/



*(Handwritten signature in green ink)*

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23	560021507502	ABITHA SRI J	SEM-III B.PHARM	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
24	560021507503	AJITH KUMAR M	SEM-III B.PHARM	/	/	/	/	/	/	/	/
25	560021507504	ANBARASAN B	SEM-III B.PHARM	/	/	/	/	/	/	/	/
26	560021507505	ARISHKUMAR V	SEM-III B.PHARM	/	/	/	/	/	/	/	/
27	560021507506	ARIVOZHI L	SEM-III B.PHARM	/	/	/	/	/	/	/	/
28	560021507507	ARULMANI P	SEM-III B.PHARM	/	/	/	/	/	/	/	/
29	560021507508	ARUNA SIVAKUMAR	SEM-III B.PHARM	/	/	/	/	/	/	/	/
30	560021507509	ASHOK M	SEM-III B.PHARM	/	/	/	/	/	/	/	/
31	560021507510	BALAJI P	SEM-III B.PHARM	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
32	560021507511	BALAJI P L	SEM-III B.PHARM	/	/	/	/	/	/	/	/
33	560021507512	BARNEDO P	SEM-III B.PHARM	/	/	/	/	/	/	/	/
34	560021507513	DEEPAK M	SEM-III B.PHARM	/	/	/	/	/	/	/	/



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35	560021507514	DHANUSH A	SEM-III B.PHARM	/	/	/	/	/	/	/	/
36	560021507515	DHANUSHKUMAR P	SEM-III B.PHARM	/	/	/	/	/	/	/	/
37	560021507516	DHARSANA K	SEM-III B.PHARM	/	/	/	/	/	/	/	/
38	560021507517	DHARSHINI S	SEM-III B.PHARM	/	/	/	/	/	/	/	/
39	560021507518	DHINA S	SEM-III B.PHARM	/	/	/	/	/	/	/	/
40	560021507519	DHIVYA S	SEM-III B.PHARM	/	/	/	/	/	/	/	/
41	560021507520	EDWIN THOMAS G	SEM-III B.PHARM	/	/	/	/	/	/	/	/
42	561758035	JOSHUA GNANASEELAN B	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
43	561758080	SELVABALAGAN M	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
44	561758082	SHANMUGAVEL P	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
45	561858038	NANDHAKUMAR S	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
46	561958002	AJITH KUMAR K	SEM-VII B.PHARM	/	/	/	/	/	/	/	/



**Dr. N. SENTHILKUMAR,  
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**Principal**

47	561958003	ANAND M	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
48	561958004	ANAND R	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
49	561958005	ANBARASAN S	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
50	561958006	ANUSHIYA D D	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
51	561958007	ARUN M	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
52	561958008	ARUNA P	SEM-VII B.PHARM	/	/	/	/	/	/	/	/
53	MPY/966/2022	ANBUDURAI S	SEM-I M.PHARM (REGULATORY AFFAIRS)	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
54	MPY/967/2022	DURAI K	SEM-I M.PHARM (REGULATORY AFFAIRS)	/	/	/	/	/	/	/	/
55	MPY/968/2022	RAGHU A	SEM-I M.PHARM (REGULATORY AFFAIRS)	/	/	/	/	/	/	/	/
56	MPY/96692022	VINOTHKUMAR.V	SEM-I M.PHARM (REGULATORY AFFAIRS)	/	/	/	/	/	/	/	/



*(Signature)*  
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58	MPY/971/2022	SWARNAMBIGAI J	SEM-I M.PHARM (REGULATORY AFFAIRS)	/	/	/	/	/	/	/	/
59	261220507503	GOKUL T	SEM-IV M.PHARM (PHARMACEUTI CAL CHEMISTRY)	/	/	/	/	/	/	/	/
60	261220507505	RAGAVI P	SEM-IV M.PHARM (PHARMACEUTI CAL CHEMISTRY)	/	/	/	/	/	/	/	/
61	261220507506	REVATHI J	SEM-IV M.PHARM (PHARMACEUTI CAL CHEMISTRY)	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab
62	261220507507	SOMASUNDARAM	SEM-IV M.PHARM (PHARMACEUTI CAL CHEMISTRY)	/	/	/	/	/	/	/	/



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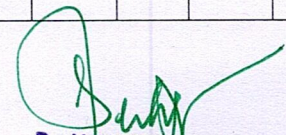
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63	261120507501	ANANTHAKUMAR R	SEM-IV M.PHARM (PHARMACEUTICS)	/	/	/	/	/	/	/	/
64	261120507502	DEVANANDH D	SEM-IV M.PHARM(PHARMACEUTICS)	/	/	/	/	/	/	/	/
65	261120507503	GOKUL L	SEM-IV M.PHARM (PHARMACEUTICS)	/	/	/	/	/	/	/	/
66	261120507504	GOWTHAM K	SEM-IV M.PHARM(PHARMACEUTICS)	/	/	/	/	/	/	/	/
67	261120507505	GOWTHAMAN T	SEM-IV M.PHARM (PHARMACEUTICS)	/	/	/	/	/	/	/	/
68	261120507506	KALPANA P	SEM-IV M.PHARM (PHARMACEUTICS)	/	/	/	/	/	/	/	/
69	261120507507	KAVYA S	SEM-IV M.PHARM (PHARMACEUTICS)	/	/	/	/	/	/	/	/



  
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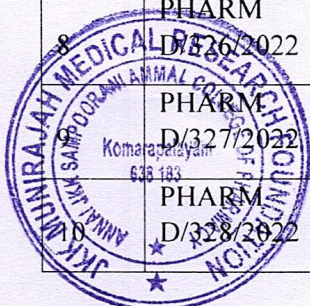
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DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2022-2023
DATE	02.09.2022 to 07.09.2022
VENUE	SEMINAR HALL

### LIST OF STUDENTS ENROLLED FOR THE COURSE

S.NO	REG.NO	NAME OF THE STUDENTS	COURSES	SIGNATURE
1	PHARM D/319/2022	JOTHIPRAKASH A	I PHARM D	
2	PHARM D/320/2022	KIRTHICK ROSHAN R	I PHARM D	
3	PHARM D/321/2022	KIRUBA K	I PHARM D	
4	PHARM D/322/2022	LOKESH L	I PHARM D	
5	PHARM D/323/2022	MANIKANDAN V	I PHARM D	
6	PHARM D/324/2022	MANOJ C	I PHARM D	
7	PHARM D/325/2022	MOHAMMED A	I PHARM D	
8	PHARM D/326/2022	MOHANAPRIYA S	I PHARM D	
	PHARM D/327/2022	MOHANRAJ R	I PHARM D	
	PHARM D/328/2022	NITHYA SHREE S	I PHARM D	



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11	381710401	ANDLY CHEDRICK C	VI PHARM D	Anchal
12	381710402	ASHA M	VI PHARM D	Ash.M
13	381710403	ASHRITHA D N	VI PHARM D	Ashna
14	381710404	DEEPIKA K	VI PHARM D	Deepika
15	381710405	HARINI R	VI PHARM D	Harini
16	381710406	JAYAPRAKASH U	VI PHARM D	Jayaprakash
17	381710407	JEBISH G S	VI PHARM D	Jebish G.S
18	381710408	JEMISHA J	VI PHARM D	Jemisha
19	381710409	KAVINKISHORE S	VI PHARM D	Kavinkishore
20	381710411	MUKILAN M	VI PHARM D	Mukilan
21	381710413	PREETHI T	VI PHARM D	Preethi
22	560021507501	ABDULLAAH S	SEM-III B.PHARM	Abdullah
23	560021507502	ABITHA SRI J	SEM-III B.PHARM	Abitha
24	560021507503	AJITH KUMAR M	SEM-III B.PHARM	Ajith
25	560021507504	ANBARASAN B	SEM-III B.PHARM	Anbarasan
26	560021507505	ARISHKUMAR V	SEM-III B.PHARM	Arishkumar
27	560021507506	ARIVIZHI L	SEM-III B.PHARM	Arivizhi
28	560021507507	ARULMANI P	SEM-III B.PHARM	Arulmani
29	560021507508	ARUNA SIVAKUMAR	SEM-III B.PHARM	Aruna
30	560021507509	ASHOK M	SEM-III B.PHARM	Ashok
31	560021507510	BALAJI P	SEM-III B.PHARM	Balaji
32	560021507511	BALAJI P L	SEM-III B.PHARM	Balaji
33	560021507512	BARNEDO P	SEM-III B.PHARM	Barnedo
34	560021507513	DEEPAK M	SEM-III B.PHARM	Deepak



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35	560021507514	DHANUSH A	SEM-III B.PHARM	A. Dhush
36	560021507515	DHANUSHKUMAR P	SEM-III B.PHARM	Dhanush
37	560021507516	DHARSANA K	SEM-III B.PHARM	Dharsana
38	560021507517	DHARSHINI S	SEM-III B.PHARM	Dharshini
39	560021507518	DHINA S	SEM-III B.PHARM	Dhina
40	560021507519	DHIVYA S	SEM-III B.PHARM	Dhivya
41	560021507520	EDWIN THOMAS G	SEM-III B.PHARM	Edwin
42	561758035	JOSHUA GNANASEELAN B	SEM-VII B.PHARM	Joshua
43	561758080	SELVABALAGAN M	SEM-VII B.PHARM	Selva
44	561758082	SHANMUGAVEL P	SEM-VII B.PHARM	Shanmuga
45	561858038	NANDHAKUMAR S	SEM-VII B.PHARM	Nandha
46	561958002	AJITH KUMAR K	SEM-VII B.PHARM	Ajith
47	561958003	ANAND M	SEM-VII B.PHARM	Anand
48	561958004	ANAND R	SEM-VII B.PHARM	Anand
49	561958005	ANBARASAN S	SEM-VII B.PHARM	Anbarasa
50	561958006	ANUSHIYA D D	SEM-VII B.PHARM	Anushiya
51	561958007	ARUN M	SEM-VII B.PHARM	Arun
52	561958008	ARUNA P	SEM-VII B.PHARM	Aruna
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	MPY/967/2022	DURAI K	SEM-I M.PHARM (REGULATORY AFFAIRS)	Durai
	MPY/968/2022	RAGHU A	SEM-I M.PHARM (REGULATORY AFFAIRS)	Raghu



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56	MPY/96692022	VINOTHKUMAR.V	SEM-I M.PHARM (REGULATORY AFFAIRS)	
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DATE	02.09.2022 to 07.09.2022
VENUE	SEMINAR HALL

Name - *Rajavi M. Pharm.*

ANSWER ALL THE QUESTION:

### MULTIPLE CHOICE QUESTION

MARKS:25

- Who invented Java Programming?
  - Guido van Rossum
  - James Gosling
  - Dennis Ritchie
  - Bjarne Stroustrup
- Which statement is true about Java?
  - Java is a sequence-dependent programming language
  - Java is a code dependent programming language
  - Java is a platform-dependent programming language
  - Java is a platform-independent programming language
- Number of primitive data types in Java are?
  - 6
  - 7
  - 8
  - 9
- What is the size of float and double in java?
  - 32 and 64
  - 2 and 32
  - 64 and 64
  - 64 and 32



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13. What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

```
public class First_C { Public void myMethod()    { System.out.println("Method");
}
{System.out.println(" Instance Block");
}public void First_C()
{System.out.println("Constructor ");
} static { System.out.println("static block"); }
public static void main(String[] args) {
First_C c = new First_C();
c.First_C();
c.myMethod(); } }
```

- a. Instance block, method, static block, and constructor
- b. Method, constructor, instance block, and static block
- c. Static block, method, instance block, and constructor
- d. Static block, instance block, constructor, and method

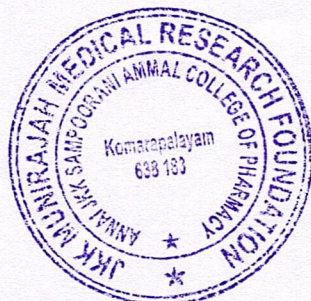
14) What will be the output of the following program?

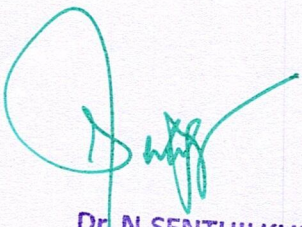
```
public class MyFirst { public static void main(String[] args) { MyFirst obj = new MyFirst(n);
}
static int a = 10;
static int n;
int b = 5;
int c;
public MyFirst(int m) {
System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);
}
// Instance Block
{
b = 30;
n = 20;
}
// Static Block
static
{
a = 60;
}
}
```

- a. 10, 5, 0, 20, 0
- b. 10, 30, 20
- c. 60, 5, 0, 20
- d. 60, 30, 0, 20, 0

15) The \u0021 article referred to as a

- a. Unicode escape sequence
- b. Octal escape
- c. Hexadecimal
- d. Line feed



  
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5. Find the output of the following program. `public class Solution{public static void main(String[] args){int[] x = {120, 200, 016};for(int i = 0; i < x.length; i++){System.out.print(x[i] + " ");}}`

- a)120 200 016
- b)120 200 14
- c)120 200 16
- d)None

6. Automatic type conversion is possible in which of the possible cases?

- a)Byte to int
- b)Int to long
- c) Long to int
- d)Short to int

7. Arrays in java are-

- a) Object references
- b) Objects
- c)Primitive data type
- d)None

8. When is the object created with new keyword?

- a)At run time
- b) At compile time
- c)Depends on the code
- d)None

9. Identify the corrected definition of a package.

- a)A package is a collection of editing tools
- b)A package is a collection of classes
- c)A package is a collection of classes and interfaces
- d)A package is a collection of interfaces

10. Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

- a)final
- b)static
- c)volatile
- d)abstract

11. Which of the following option leads to the portability and security of Java?

- a) Bytecode is executed by JVM
- b) The applet makes the Java code secure and portable
- c) Use of exception handling
- d) Dynamic binding between objects

12. Which of the following is not a Java feature?

- a)Dynamic
- b)Architecture Neutral
- c)Use of pointers
- d)Object-oriented



A handwritten signature in green ink, appearing to be "Dr. N. Senthilkumar".

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16) \_\_\_\_\_ is used to find and fix bugs in the Java programs.

- a. JVM
- b. JRE
- c. JDK
- d. ~~JDB~~

17) Which of the following is a valid declaration of a char?

- a. ~~char ch = '\utea';~~
- b. char ca = 'tea';
- c. char cr = \u0223;
- d. char cc = '\itea';

18) What is the return type of the hash Code() method in the Object class?

- a. Object
- b. ~~int~~
- c. long
- d. void

19) Which of the following is a valid long literal?

- a. ABH8097
- b. L990023
- c. 904423
- d. ~~0xnf029L~~

20) What does the expression float a = 35 / 0 return?

- a. 0
- b. Not a Number
- c. ~~Infinity~~
- d. Run time exception



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- Which statement is true about Java?
  - Java is a sequence-dependent programming language
  - Java is a code dependent programming language
  - Java is a platform-dependent programming language
  - Java is a platform-independent programming language**
- Number of primitive data types in Java are?
  - 6
  - 7
  - 8**
  - 9
- What is the size of float and double in java?
  - 32 and 64**
  - 2 and 32
  - 64 and 64
  - 64 and 32
- Find the output of the following program.

```
public class Solution {
    public static void main(String[] args) {
        int[] x = {120, 200, 016};
        for(int i = 0; i < x.length; i++)
```



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```
        System.out.print(x[i] + " ");  
    }  
}  
}
```

- a)120 200 016
- b)120 200 14**
- c)120 200 16
- d)None

6. Automatic type conversion is possible in which of the possible cases?

- a)Byte to int
- b)Int to long**
- c) Long to int
- d)Short to int

7. Arrays in java are-

- a)Object references
- b) Objects**
- c)Primitive data type
- d)None

8. When is the object created with new keyword?

- a)At run time**
- b)At compile time
- c)Depends on the code
- d)None

9. Identify the corrected definition of a package.

- a)A package is a collection of editing tools
- b)A package is a collection of classes
- c)A package is a collection of classes and interfaces**
- d)A package is a collection of interfaces

10. Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

- a)final
- b)static**
- c)volatile
- d)abstract

11) Which of the following option leads to the portability and security of Java?

**a. Bytecode is executed by JVM**

- b. The applet makes the Java code secure and portable
- c. Use of exception handling
- d. Dynamic binding between objects

12) Which of the following is not a Java features?

- a. Dynamic
- b. Architecture Neutral
- c. Use of pointers**
- d. Object-oriented



A handwritten signature in green ink, appearing to read "Dr. N. Senthilkumar".

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13) What should be the execution order, if a class has a method, static block, instance block, and constructor, as shown below?

```
public class First_C {
    public void myMethod()
    {
        System.out.println("Method");
    }

    {
        System.out.println(" Instance Block");
    }

    public void First_C()
    {
        System.out.println("Constructor ");
    }
    static {
        System.out.println("static block");
    }
    public static void main(String[] args) {
        First_C c = new First_C();
        c.First_C();
        c.myMethod();
    }
}
```

- e. Instance block, method, static block, and constructor
- f. Method, constructor, instance block, and static block
- g. Static block, method, instance block, and constructor
- h. Static block, instance block, constructor, and method**

14) What will be the output of the following program?

```
public class MyFirst {
    public static void main(String[] args) {
        MyFirst obj = new MyFirst(n);
    }
    static int a = 10;
    static int n;
    int b = 5;
    int c;
    public MyFirst(int m) {
        System.out.println(a + ", " + b + ", " + c + ", " + n + ", " + m);
    }
}
// Instance Block
{
    b = 30;
    n = 20;
}
// Static Block
static
{
    a = 60;
}
}
```



A handwritten signature in green ink, appearing to be "Dr. N. Senthilkumar".

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- a. 10, 5, 0, 20, 0
- b. 10, 30, 20
- c. 60, 5, 0, 20
- d. **60, 30, 0, 20, 0**

15) The `\u0021` article referred to as a

- a. **Unicode escape sequence**
- b. Octal escape
- c. Hexadecimal
- d. Line feed

16) \_\_\_\_\_ is used to find and fix bugs in the Java programs.

- a. JVM
- b. JRE
- c. JDK
- d. **JDB**

17) Which of the following is a valid declaration of a char?

- e. **char ch = '\utea';**
- f. char ca = 'tea';
- g. char cr = \u0223;
- h. char cc = '\itea';

18) What is the return type of the hashCode() method in the Object class?

- a. Object
- b. **int**
- c. long
- d. void

19) Which of the following is a valid long literal?

- a. ABH8097
- b. L990023
- c. 904423
- d. **0xf029L**

20) What does the expression `float a = 35 / 0` return?

- a. 0
- b. Not a Number
- c. **Infinity**
- d. Run time exception



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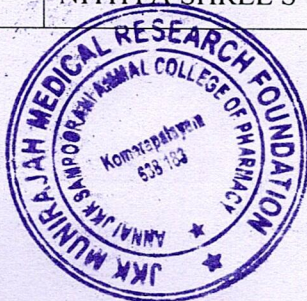
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ADD ON COURSE	JAVA PROGRAMMING
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2022-2023
DATE	02.09.2022 to 07.09.2022
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### STUDENTS MARKSHEETS

S.NO	REG.NO	NAME OF THE STUDENTS	COURSES	MARKS SCOURED	% MARKS
1	PHARM D/319/2022	JOTHIPRAKASH A	I PHARM D	22	88%
2	PHARM D/320/2022	KIRTHICK ROSHAN R	I PHARM D	24	96%
3	PHARM D/321/2022	KIRUBA K	I PHARM D	22	88%
4	PHARM D/322/2022	LOKESH L	I PHARM D	23	92%
5	PHARM D/323/2022	MANIKANDAN V	I PHARM D	24	96%
6	PHARM D/324/2022	MANOJ C	I PHARM D	22	88%
7	PHARM D/325/2022	MOHAMMED A	I PHARM D	21	84%
8	PHARM D/326/2022	MOHANAPRIYA S	I PHARM D	22	88%
9	PHARM D/327/2022	MOHANRAJ R	I PHARM D	24	96%
10	PHARM D/328/2022	NITHYA SHREE S	I PHARM D	22	88%



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12	381710402	ASHA M	VI PHARM D	22	88%
13	381710403	ASHRITHA D N	VI PHARM D	23	92%
14	381710404	DEEPIKA K	VI PHARM D	22	88%
15	381710405	HARINI R	VI PHARM D	24	96%
16	381710406	JAYAPRAKASH U	VI PHARM D	23	92%
17	381710407	JEBISH G S	VI PHARM D	24	96%
18	381710408	JEMISHA J	VI PHARM D	22	88%
19	381710409	KAVINKISHORE S	VI PHARM D	21	84%
20	381710411	MUKILAN M	VI PHARM D	23	92%
21	381710413	PREETHI T	VI PHARM D	24	96%
22	560021507501	ABDULLAAH S	SEM-III B.PHARM	22	88%
23	560021507502	ABITHA SRI J	SEM-III B.PHARM	AB	AB
24	560021507503	AJITH KUMAR M	SEM-III B.PHARM	24	96%
25	560021507504	ANBARASAN B	SEM-III B.PHARM	25	100%
26	560021507505	ARISHKUMAR V	SEM-III B.PHARM	24	96%
27	560021507506	ARIVOZHI L	SEM-III B.PHARM	23	92%
28	560021507507	ARULMANI P	SEM-III B.PHARM	22	88%
29	560021507508	ARUNA SIVAKUMAR	SEM-III B.PHARM	22	88%
30	560021507509	ASHOK M	SEM-III B.PHARM	21	84%
31	560021507510	BALAJI P	SEM-III B.PHARM	AB	AB
32	560021507511	BALAJI P L	SEM-III B.PHARM	24	96%
33	560021507512	BARNEDO P	SEM-III B.PHARM	22	88%
34	560021507513	DEEPAK M	SEM-III B.PHARM	23	92%
35	560021507514	DHANUSH A	SEM-III B.PHARM	24	96%
36	560021507515	DHANUSHKUMAR P	SEM-III B.PHARM	23	92%
37	560021507516	DHARSANA K	SEM-III B.PHARM	23	92%
38	560021507517	DHARSHINI S	SEM-III B.PHARM	22	88%
39	560021507518	DHINA S	SEM-III B.PHARM	21	84%
40	560021507519	DHIVYA S	SEM-III B.PHARM	23	92%
41	560021507520	EDWIN THOMAS G	SEM-III B.PHARM	22	88%
42	561758035	JOSHUA GNANASEELAN B	SEM-VII B.PHARM	24	96%



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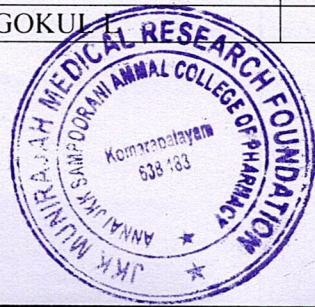
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43	561758080	SELVABALAGAN M	SEM-VII B.PHARM	23	92%
44	561758082	SHANMUGAVEL P	SEM-VII B.PHARM	22	88%
45	561858038	NANDHAKUMAR S	SEM-VII B.PHARM	21	84%
46	561958002	AJITH KUMAR K	SEM-VII B.PHARM	24	96%
47	561958003	ANAND M	SEM-VII B.PHARM	23	92%
48	561958004	ANAND R	SEM-VII B.PHARM	21	84%
49	561958005	ANBARASAN S	SEM-VII B.PHARM	22	88%
50	561958006	ANUSHIYA D D	SEM-VII B.PHARM	24	96%
51	561958007	ARUN M	SEM-VII B.PHARM	23	92%
52	561958008	ARUNA P	SEM-VII B.PHARM	22	88%
53	MPY/966/2022	ANBUDURAI S	SEM-I M.PHARM (REGULATORY AFFAIRS)	AB	AB
54	MPY/967/2022	DURAI K	SEM-I M.PHARM (REGULATORY AFFAIRS)	23	92%
55	MPY/968/2022	RAGHU A	SEM-I M.PHARM (REGULATORY AFFAIRS)	23	92%
56	MPY/96692022	VINOTHKUMAR.V	SEM-I M.PHARM (REGULATORY AFFAIRS)	24	96%
57	MPY/970/2022	SILAMBARASAN D	SEM-I M.PHARM (REGULATORY AFFAIRS)	21	84%
58	MPY/971/2022	SWARNAMBIGAI J	SEM-I M.PHARM (REGULATORY AFFAIRS)	23	92%
59	261220507503	GOKUL T	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	24	96%
60	261220507505	RAGAVI P	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	23	92%
61	261220507506	REVATHI J	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	AB	AB
62	261220507507	SOMASUNDARAM P	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	24	96%
63	261120507501	ANANTHAKUMAR R	SEM-IV M.PHARM (PHARMACEUTICS)	24	96%
64	261120507502	DEVANANDH D	SEM-IV M.PHARM (PHARMACEUTICS)	21	84%
65	261120507503	GOKUL	SEM-IV M.PHARM	24	96%



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			(PHARMACEUTICAL ANALYSIS)		
57	261321507505	HARSHA VARDHINEE K	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	Ab	AB
58	261321507506	JAGADESWARAN C	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	23	92%
59	261321507507	MARIMUTHU P	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	22	88%
60	261321507508	RAGUNATH S	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	23	92%
61	261321507509	SATHISH KUMAR V	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	24	96%
62	261321507510	VISHNU M S	SEM-II M.PHARM (PHARMACEUTICAL ANALYSIS)	23	92%
63	261220507503	GOKUL T	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	24	96%
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65	261220507506	REVATHI J	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	23	92%
66	261220507507	SOMASUNDARAM P	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	24	96%
67	261220507508	STELLAMARY D	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	22	90%
68	261220507509	SUGANTHI P	SEM-IV M.PHARM (PHARMACEUTICAL CHEMISTRY)	22	92%



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			(PHARMACEUTICS)		
66	261120507504	GOWTHAM K	SEM-IV M.PHARM (PHARMACEUTICS)	23	92%
67	261120507505	GOWTHAMAN T	SEM-IV M.PHARM (PHARMACEUTICS)	23	92%
68	261120507506	KALPANA P	SEM-IV M.PHARM (PHARMACEUTICS)	24	96%
69	261120507507	KAVYA S	SEM-IV M.PHARM (PHARMACEUTICS)	24	96%



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ADD ON COURSE	JAVA PROGRAMMING
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2022-2023
DATE	02.09.2022 to 07.09.2022
VENUE	SEMINAR HALL

STUDENT NAME: KIRUBA K DATE: 2.9.22 - 7.9.22

YEAR/ COURSE : I PHARM D

NAME OF THE ADD ON COURSE: JAVA PROGRAMMING

COURSE CODE:

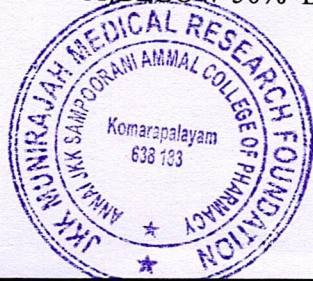
DURATION: 32 hours

**EVALUATE HONESTLY:**

Questions	Excellent	Good	Fair	Poor
The objectives of the training were	✓			
The instructor's contribution to the course was:	✓			
The presentation materials were relevant	✓			
The instructor's effectiveness in teaching the subject matter was:	✓			
Answers to the students questions by the instructor	✓			
The venue was appropriate for the event	✓			
Course organisation was:	✓			
Level of course was	✓			
Course content was:	✓			

**Student Participation**

1. On average, how many hours a week did you spend on this course (in and out of class)?  
A)0-2 B) 2-5 C)6-10 D)11-14 E)15UP
2. What grade do you expect in this course?  
A)BELOW 50% B) 50-60% C) 60-70% D) 70-80% E) ABOVE 80%



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SIGNATURE

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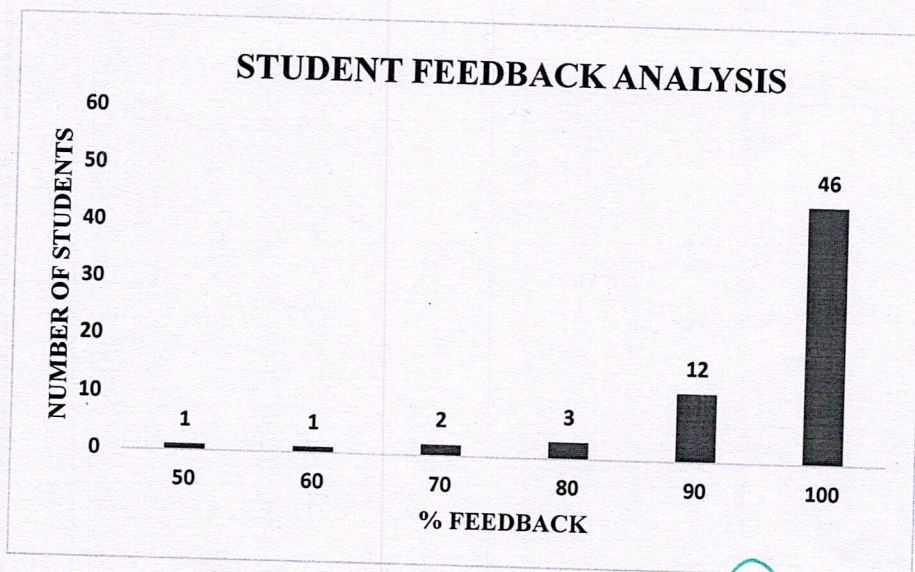
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### STUDENTS FEEDBACK ANALYSIS



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The presentation was given by Mrs.K.Sathyasundari,MCA,Associate Professor



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# JKKMMRF'S ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY CERTIFICATE OF PARTICIPATION

This is to certify that MR./MS./MRS.

RAGHU. A

Has appreciated for his/ her participation in Value Added Course-

JAVA PROGRAMMING

Organised by the Department of Pharmaceutical Chemistry

on 07.09.2022



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