# PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE (Approved by AICTE, Affiliated to Anna University, Chennai, India) NH 67, Ring Road, Nanjikottai, Thanjavur- 613006, Tamil Nadu

# GUIDANCE FOR COMPETITIVE EXAMINATIONS AND CAREER COUNSELLING OFFERED BY THE INSTITUTION ACADEMIC YEAR 2017-2018

#### **GUIDANCE FOR COMPETITIVE EXAMINATIONS**

#### **TECHNICAL APTITUDE TRAINING SESSION (TATS)**

#### Goal

The main objectives of conducting TATS in our college are as follows

- To persuade the students to possess a sound technical knowledge in the area of study
- To enhance the programming skills of students
- To train the students in time- bound answering of aptitude tests
- To help students excel in language and communication skills
- To prepare the students for different levels of selection process such as group discussions and one-to- one interviews
- To help boost the students' confidence level through soft skills training
- To inculcate the importance of projecting a smart appearance
- To groom the students to the corporate level
- To ensure that all eligible students are employed by the end of the final year of study.

#### The Context

TATS are designed to identify suitable candidates for technical roles within the emergency services and engineering jobs.



#### THE PRACTICE

#### Coaching

- Provide coaching to ensure the improvement to students' scores.
- Coaching is conveyed by experienced resources in their particular field.
- Coaching is directed for final and pre final year students.
- Weekly around 150 minutes honing is led to final year students in their individual engineering field.

• Weekly around 50 minutes honing is led to pre- final year students in their individual engineering field.

#### **Test**

#### To final year students:

- Objective, detail questions which must be completed in a predefined time.
- Typically have around 50 minutes to complete each test question.
- The time limit and the level of difficulty are defined in such a way that only 1-5% of the population can correctly solve all the test questions inside the time allotment gave.
- Each test question incorporates a scenario and multiple answer options. There is only one correct answer.
- To solve a test question you need to identify one or more logical rules, engineering rules and apply them to identify the next or the 'odd-one-out' shape.
- For detail questions, they need to compose correct clarification.

#### To pre-final year students:

- Objective questions which must be completed in a predefined time.
- Typically have around 50 minutes to complete each test question.
- The time limit and the level of difficulty are defined in such a way that only 1-5% of the population can correctly solve all the test questions inside the time allotment gave.
- Each test question incorporates a scenario and multiple answer options. There is only one correct answer.
- To solve a test question you need to identify one or more logical rules, engineering rules and apply them to identify the next or the 'oddball' shape.

#### **Answer Key Discussion**

- Answer key discussion is coordinated for 50 minutes.
- In this area, clear clarification will be given by experienced assets in their particular field.
- At similar time, questions will be cleared, which helps them to fathom more inquiries in future.



#### PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE **DEPARTMENT OF CSE** TECHNICAL APTITUDE TRAINING SESSION (TATS) **2017-2018 SYLLABUS**

Department	Topics
	1Net
	2. C
Computer Science and	3. C++
Engineering	4. Java
	5. C#
	6. Computer network
	7. Python Programming



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## PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE DEPARTMENT OF CSE

#### IV YEAR/VII SEM - (2017-2018) TECHNICAL APTITUDE TRAINING SESSION (TATS)

#### LESSON PLAN C & DATA STRUCTURES - C++ - JAVA - COMPUTER NETWORKS - VB.NET - PYTHON **LECTURE NO** S.NO CONTENTS OF THE LECTURE HANDLED BY STRUCTURE OF C. DATA STRUCTURES -1 1 INTRODUCTION OOPS CONCEPTS - CLASS - OBJECTS -**INHERITANCE** CONDITIONAL STATEMENTS, SINGLE 3 3 LINKED LIST 4 4 POINTERS, DOUBLE LINKED LIST POLYMORPHISM - OPERATOR 5 5 OVERLOADING - FUNCTION OVERLOADING 6 6 RECURSION, STACK OPERATION 7 7 FUNCTIONS, QUEUE OPERATION FUNCTION TEMPLATES - ONE GENERIC -8 8 MORE THAN ONE GENERIC 9 9 STRUCTURES, BINARY SEARCH TREE Mr.P.Ramadoss 10 10 **CLASS TEMPLATES** FILES - READ OPERATION - WRITE 11 11 **OPERATION** STANDARD TEMPLATE LIBRARY -12 12 **CONTAINER - ALGORITHM - ITERATOR** INTRODUCTION TO JAVA - JAVA VIRTUAL 13 13 MACHINE - ARRAYS - CONSTRUCTORS 14 14 OSI LAYERS AND ITS FUNCTIONS RUNTIME POLYMORPHISM - ABSTRACT **CLASS -STATIC METHODS - EXCEPTION** 15 15 HANDLING(TRY, CATCH, FINALLY, THROW, THROWS) INHERITANCE - PACKAGES - THREAD - JDBC 16 16 - ODBC 17 17 IP ADDRESSING AND SUBNETTING 18 18 **SERVLET-JSP** 19 19 STATIC ROUTING 20 20 **RMI-JSWING** 21 21 EJB

DYNAMIC ROUTING

23	23	VB.NET - OVERVIEW-ENVIRONMENT SETUP- PROGRAM STRUCTURE	
24	24	VB.NET - BASIC SYNTAX-DATA TYPES & VARIABLES	
25	25	VLAN & INTER-VLAN	
26	26	VB.NET - OPERATORS - DECISION MAKING - LOOPING	
27	27	VB.NET - STRING - ARRAY - FUNCTIONS	
28	28	WIRELESS NETWORK	
29	29	VB.NET - CLASSES & OBJECTS	Mr.S.Balaji
30	30	VB.NET - BASIC CONTROLS	Wif.S.Daraji
31	31	PYTHON - INTRODUCTION - INTERPRETER - MODES	
32	32	DATA TYPES - TYPE CONVERSION - OPERATORS - DECISION MAKING	
33	33	PYTHON - CONTROL FLOW STATEMENTS - FUNCTIONS	
34	34	PYTHON - LIST - SLICE - MUTABLE - CLONING	
35	35	PYTHON - TUPLE - INDEXING - SLICE - FUNCTIONS	
36	36	PYTHON - DICTIONARY - FUNCTIONS & METHODS	

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HOD/CSE

Head of the Department,
Department of Computer Science & Engineering,
Parisutham Institute of Technology & Science,
Thanjavur - 613 006.

#### TATS QUESTION PAPERS

	PARISUTHAM INSTITUTE OF TECHNOLOGY & S DEPARTMENT OF ELECTRONICS & COMMUNICA IV YEAR VII SEMESTER	*
TECHN	NICAL APTITUDE TEST (TAT) ASSESSMENT – I	Name: D.No:
	DATA STRUCTURES - C++ - JAVA - COMPUTER - VB.NET – PYTHON	Date :

#### **Answer the following Questions**

 $3 \times 5 \text{ Marks} = 15 \text{ Marks}$ 

- 1. Write a C program to print the given number in reverse order.
- 2. Write a C program to find the factorial of n numbers using recursion.
- 3. Write a C program to implement a singly linked-list using structure.

TATs Handler TAT / CSE CO-ORDINATOR

## ATTENDANCE AND ASSESSMENT RECORD

(Practical Course)



# PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

**THANJAVUR - 613 006** 

Name & Department

of the Staff

RAMADOSS P/CSE BALAJI S/CSE

Subject Code / Name

TATS

Branch

B.E - CSE

Semester

07

2017-2018

Acad. Year

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## TATS TIME TABLE III YEAR –AY 2017-2018

#### PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

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MON TUE THUR FRI SAT AERO MON	D/AE D/DTS D/FEA D/GDJP D/DTS D/UCM	DTS (S) FEA (S) UCM (S) <c (s)="" (s)<="" ae="" pom="" td=""><td>POM FEA OFP LAB(CPL I AE POM</td><td>JCAM LAB(CP GD/BRW GD/P III)/COMM LAI <ta FEA 4 GD/BRW</ta </td><td>LIII)—&gt; GDJP TATS B—&gt; TS—&gt; UCM  S AGEMP</td><td>UCM UCM GDJP(S) POM <c fea<="" td=""><td>DTS DTS AE DTS OMM LAB/O GDJP 7 -ADP-1(CPL-</td><td>FEA LIB POM POM POM DFP LAB(CPL I AE  8</td><td>AE GDJP, FS/FEA DTS II)&gt; 9 CMS</td></c></td></c>	POM FEA OFP LAB(CPL I AE POM	JCAM LAB(CP GD/BRW GD/P III)/COMM LAI <ta FEA 4 GD/BRW</ta 	LIII)—> GDJP TATS B—> TS—> UCM  S AGEMP	UCM UCM GDJP(S) POM <c fea<="" td=""><td>DTS DTS AE DTS OMM LAB/O GDJP 7 -ADP-1(CPL-</td><td>FEA LIB POM POM POM DFP LAB(CPL I AE  8</td><td>AE GDJP, FS/FEA DTS II)&gt; 9 CMS</td></c>	DTS DTS AE DTS OMM LAB/O GDJP 7 -ADP-1(CPL-	FEA LIB POM POM POM DFP LAB(CPL I AE  8	AE GDJP, FS/FEA DTS II)> 9 CMS
MON TUE THUR FRI SAT AERO MON TUE	D/AE D/DTS D/FEA D/GDJP D/DTS D/UCM  1 D/VAE	DTS (S) FEA (S) UCM (S) FOM (S) AE (S) POM (S)	POM FEA OFP LAB(CPL I AE POM  3 FEM	JCAM LAB(CP GD/BRW GDJP II)/COMM LAI <ta FEA 4 GD/BRW VAE</ta 	LIII)—> GDJP TATS B—> TS—> UCM	UCM UCM GDJP(S) POM  FEA  6  POM	DTS DTS AE DTS COMM LAB/C GDJP 7 -ADP-1(CPL-C	FEA LIB POM POM POM DFP LAB(CPL I AE  8 3)> FEM(T)	AE GDJP, FS/FEA DTS II)> 9 CMS LIB
MON TUE THUR FRI SAT AERO MON TUE WED	D/AE D/DTS D/FEA D/GDJP D/DTS D/UCM  1 D /VAE D /POM	DTS (S) FEA (S) UCM (S) POM (S) AE (S) POM (S) VAE (S) AGEM(S)	POM FEA PFP LAB(CPL I AE POM  3 FEM CMS POM	JCAM LAB(CP GD/BRW GDJP III)/COMM LAI <ta FEA 4 GD/BRW VAE CMS</ta 	LIII)—> GDJP TATS B—> TS—> UCM  S AGEMP FEM TATS	UCM UCM GDJP(S) POM FEA	DTS DTS AE DTS COMM LAB/C GDJP 7 -ADP-1(CPL- AGEMAE & AF LA	FEA LIB POM POM POM OFP LAB(CPL I AE  8 B)> FEM(T) B>	AE GDJP, FS/FEA DTS II)> 9 CMS LIB FS/VAE
MECH MON TUE D THUR FRI SAT AERO MON TUE WED THUR FRI	D/AE D/DTS D/FEA D/GDJP D/DTS D/UCM  1 D /VAE D /POM D /AMP	DTS (S) FEA (S) UCM (S) POM (S) AE (S)  2 POM (S) VAE (S)	POM FEA OFP LAB(CPL I AE POM  3 FEM CMS	JCAM LAB(CP GD/BRW GDJP II)/COMM LAI <ta FEA 4 GD/BRW VAE</ta 	LIII)—> GDJP TATS B—> TS—> UCM  S AGEMP FEM TATS AMP	UCM UCM GDJP(S) POM  FEA  6  POM	DTS DTS AE DTS COMM LAB/C GDJP 7 -ADP-1(CPL-C	FEA LIB POM POM POM DFP LAB(CPL I AE  8 3)> FEM(T)	AE GDJP, FS/FEA DTS II)> 9 CMS LIB

DEAN ACADEMICS



# PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE DEPARTMENT OF CSE III YEAR/VI SEM - (2017-2018)

## TECHNICAL APTITUDE TRAINING SESSION (TATS) <u>LESSON PLAN</u>

		JAVA PROGRAMMING	
S.NO	LECTURE NO	CONTENTS OF THE LECTURE	STAFF IN- CHARGE
1	1	INTRODUCTION TO JAVA	
2	2	JDK, JRE, and JVM	
3	3	JAVA OOPS CONCEPTS	
4	4	JAVA INHERITANCE	
5	5	AGGREGATION IN JAVA	
6	6	METHOD OVERLOADING IN JAVA	
7	7	METHOD OVERRIDING IN JAVA	
8	8	SUPER KEYWORD IN JAVA	
9	9	RUNTIME POLYMORPHISM IN JAVA	
10	10	ABSTRACT CLASS IN JAVA	
11	11	INTERFACE IN JAVA	
12	12	JAVA PACKAGE	Mr.M.B.BOSE
13	13	ACCESS MODIFIERS IN JAVA	MIL.MI.D.DOSE
14	14	ENCAPSULATION IN JAVA	
15	15	JAVA ARRAY	
16	16	JAVA STRING	
17	17	EXCEPTION HANDLING IN JAVA	
18	18	JAVA INNER CLASSES	
19	19	MULTITHREADING IN JAVAIN JAVA	
20	20	VECTORS IN JAVA	
21	21	OUTPUTSTREAM Vs INPUTSTREAM	
22	22	JAVA FILEOUTPUTSTREAM	
23	23	JAVA BUFFEREDWRITER CLASS	
24	24	JAVA BUFFERED READER CLASS	

y. Jan

HOD/CSE

Head of the Department,
Department of Computer Science & Engineering,
Parisutham Institute of Technology & Science,
Thanjavur - 613 006.

#### TATS QUESTION PAPERS

PHONE	PARISUTHAM INSTITUTE OF TECHNOLOGY & DEPARTMENT OF ELECTRONICS & COMMUNIC III YEAR VI SEMESTER	,
TECHNICAL	APTITUDE TEST (TAT) ASSESSMENT – VI	Name:
TECHNICAL	AI IIIODE IESI (IAI) ASSESSMENI – VI	D.No:
	ATA STRUCTURES - C++ - JAVA - COMPUTER VB.NET – PYTHON	Date :

#### **Answer the following Questions:**

3x 5 Marks = 15 Marks

- 1. Write a Java program to check even or odd without using modulus and division.
- 2. Write a Java program to multiply a number by 2 without using \* operator.
- 3. How to implement Polymorphism using Java Programming?

TATs Handler

TAT / CSE CO-ORDINATOR

HOD/CSE

# ATTENDANCE AND ASSESSMENT RECORD

(Practical Course)



# PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

**THANJAVUR - 613 006** 

Name & Department

of the Staff

: M.B.BOSE

Subject Code / Name

: TATS

Branch

: B.E - CSE

Semester

<u>VI</u>

Acad. Year

: 2017-2018

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7	2708	Jayasad ha. R		1	1	1	1
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9	2111	Madhushree-K		a	a	a	1
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	2726	Vishali-S	1	1	11		-
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2702	Anupriya · L	80	60	70	55
	Chitra · N	AB	60	Ag .	60
2701	Devadharsh ni · L	75	40	AS 1	70
2105	Drnesh waran-k	70	AB	AB \	Aß
	Gowselyak	80	70	Ans	65
2101	Jaffer sadiq.s	85	50	35	60
2108	Jaya Sudhe R	65	40	30	55
2110		80	55	AR	SS
2711	Madhushree. K	Aß	45	Aß	80
2112	Madhyditha S	70	35	60	60
2713	Muthughan P	95	90	90	80
2714	Nanda Kumaran-H	85	80	AB	85
2715	Nisha-K	70	50	AS	40
2116	Muetra-R	70	55	60	So
2717	Preethika. KB	75	30	60	60
2118	Puviyareni.S	85	75	80	75
2119	Rajalakshni-R	90	80	85	15
2120	100	80	60	SS	60
212	Shalini- H	80	65	75	80
272	2 Shalini-H	85		80	80
212	Sophia. K	A	50	60	65

D.No.	Name			1-061	Test2 Viva II	Tests Rehearsal Marks	Test a Interna Marks
2724	Thilak	esh.	H <sub>0</sub> 2	80	65	BB.A	50
2726	Vishali	. د		80	701	a Als	65
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# CAREER GUIDANCE PROGRAMME OFFERED BY THE INSTITUTION

#### **ACADEMIC YEAR 2017-2018**



12.9.2017 - Er.Kirubakaran, Assistant General Manager (Retd.), BHEL, Trichy delivered a lecture on "Career Opportunities and Trends in Engineering"



Dr.Arun Raaza, Director / Center for Advanced Research & Development, VELS University delivered a lecture on INNOVATION & RESEARCH.



21.7.17 - Mr.V.Palaniappan, President / Tamil Nadu Science Forum / Ariyalur - Perambalur Integrated District, delivered a lecture on "HOW TO SUCCEED IN IAS EXAMINATION"



Practical Placement Training Session - "Career Development Technique" by Dr.N.Shiva Kumar of Shivas Foundation, Chennai - 17th & 18th July 2017.



14.7.17 - Mr. Venkatesh Raja / Verbal trainer, Manya-Princeton Review delivered a lecture on STUDY ABROAD.



Technical Training sessions for Aptitude Cracking is organized from 3rd to 5th July 2017, which is handled by FACE Academy, Coimbatore (Focus Academy for Carrier Enhancement).