

Set-01

[10 Marks]

ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

School of Engineering & Technology			
Subject: SPCC Test: Unit Test 1 Class: TE COMPUTER	Marks: 30 Duration: 1 Hr Feb. 14		
Instruction: Q1 is compulsory			
Q1. Attempt the following i. Which of the following system software a. Compiler b. Linker c. Lo			
ii. A software is to be developed for a syste should?a. Use recursion whenever possiblec. use macro instead of functione. b &d	m which has a small memory the Software b. Avoid using recursion d. Not use macro instead of function f. a & c		
iii. What is boot strapping?a. A language interpreting other languageb. A language compiling other languagec. A language compile itselfd. All of the above	0 1 0		
 iv. Indicate which of the following is not tru a. Interpreter generates an object progra b. Interpreter analysis each source states c. Interpreter is a kind of translator d. All of the above e. None of the above 	nm from the source program		
v. Assembler is machine dependent because a. POT b. MOT c. LT	e of d. ST e. BT		
vi. Indicate the order in which the following program upto its execution a. Assembler b. Loader c. Ce. Linker f. editor	ng system program are used from developing Compiler d. Macro Processor		
vii. Attempt [any 4] Specify the corresponding passes (Par Function: a. Keep a base register table b. Updates a location counter c. Stores symbol definition d. Process start pseudo-opcode e. Processes DS pseudo-opcode	ss 1 or Pass 2 or both) use of the following Pass 1 or 2		

Q2. What is Forward Reference Problem and how to solve it? Design flowchart for Pass II of

Q3. Explain Macro flowchart (Pass I and Pass II) with programming example and database

two pass assembler with programming example and different database tables

table?



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Subject:

AOA

Marks: 20 Marks

Duration:

Class: TE

Sem VI

(UT-I

Branch: CO

Feb. 14

Note: Question 1 is compulsary and anwer any one from the remaining two.

- I. Following questions are compulsary 10 Marks
 - 1. Explain the concept of time complexity of an algorithm. 4 Marks
 - 2. What is meant by analysis of algorithms and what is the time complexity of insertion, sequential and merge sort. 6 Marks
- II. Prove that time complexity of merge sort is O(n log n) 10 Marks
- III. Derive time complexity of insertion sort with step counting method. 10 Marks



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School of Engineering & Technology

Subject: OOSE

Marks: 20

Test: Unit Test 1

Duration: 1 Hr

Class: TE COMPUTER

reb. 14

Instruction: Q1 is compulsory

Q1. Attempt the following

[10 Marks]

a. Draw a use case diagram for the online air line reservation system

b. Draw a class diagram for Engineering College

Q2. Attempt (any two) of the following:

[10 Marks]

a. Explain spiral Model of software development

b. Explain different levels of CMM

c. Explain RAD model of software development

-[All the Best]



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School of Engineering & Technology

Subject: OOSE

Marks: 20

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Class: TE COMPUTER

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Symbol of Secularism & National Integration ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

School of Engineering & Technology				
Test	ect: Datawarehousing and Mining (DWM) I (22/02/14) I TECO LUT I	Marks: 30 Duration: 1 H Branch : CO	Irs	
Instr	uctions : Q No. 1 is compulsory and attempt any two out of remain	ing three.		
2)	hence explain its architecture. Attempt the following:	lata warehous	10	
	a. Building blocks of Data warehouse.b. Differentiate between OLTP and OLAP.		5 5	
3)	State true or false with proper Justification: a. Proper Strategic Information leads to efficient decision m b. Facts table consists of huge number of records. c. Facts table does not contain the measures/metrics of a bu d. Data warehouse architecture is a comprehensive blueprin e. Data in a data warehouse does not need to be subject orie a. What are differences between Data Warehouse and Data The a Supprementation Chain consider the following diseases.	asiness. at. nted. Mart.	105	
	b. For a Supermarket Chain consider the following dime Product, Store, Time and Promotion. The schema contain Sales facts with three measures unit_sales, dollar_sales ar Design star schema for this application.	s a central fac nd dollar_cost	t table	