ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS, NEW PANVEL
Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi,
Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

☐ SCHOOL OF ENGINEERING & TECHNOLOG
☐ SCHOOL OF PHARMACY
☐ SCHOOL OF ARCHITECTURE

DEPARTMENT OF COMPUTER ENGINEERING

CLASS:- TE	SEM:- VI
SUBJECT:- SE	DATE:- / / 2018
DURATION:- 60 mins.	MARKS:- 20

CLASS TEST 01

Q.01	Attempt any 5: (10 Marks)	Marks	CO
a)	Classify all process models into a category of linear, incremental or evolutionary.	2	CO1
b)	Which model has A systematic, sequential approach to Software development? Justify.	2	CO1
c)	Draw RAD model.	2	CO1
d)	What makes spiral model secial and why.	2	CO1
e)	What are the categories of resources? Expalin with diagram	2	CO2
f)	Define Risk.	2	CO3

Q.02 Short Note on : Attempt any 1: (05 Marks)		
a)	Process Matrics	5	CO1
b)	Project Matrics	5	CO1

Q.03 Short Note on : Attempt any 1: (05 Marks)		
a)	Agile Process of software development	5	CO1
b)	RMMM	5	CO3

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DEPARTMENT OF COMPUTER ENGG

	SEM:- VI th
	DATE:- 01 / 03 / 2018
	MARKS:- 20

UNIT TEST-1

CLASS:- TE CO
SUBJECT:- MCC
DURATION:- 60mins.

		CO	Marks
Q.01 Attempt any 5: (10 Marks)			
a)	What is foot print w.r.t satellite ?	CO1	2
b)	How many satellites required for global coverage in GEO , LEO , MEO satellite systems ?	CO1	2
c)	Explain the role of EIR in GSM network.	CO1	2
d)	Draw GPRS network architecture , name all the blocks , show all the interfaces.	CO1	2
e)	Explain control channels in GSM.	CO1	2
f)	Explain the terms w.r.t Mobile IP – Tunnel , Encapsulation.	CO1	2
	Draw cluster of cells, explain frequency reuse , co –channel interferance.	CO1	2
Q.02 Attempt any 1: (05 Marks)			
a)	Draw and explain IP-in-IP encapsulation technique.	CO1	5
b)	Explain how user data/ voice is encrypted in GSM system.	CO1	5
Q.03 Attempt any 1: (05 Marks)			
a)	Explain Hondover / Hand-off in GSM, draw and explain diffrent handover scenarios in GSM.	CO1	5
b)	Draw and explain Mobile TCP.	CO1	5

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DEPARTMENT OF COMPUTER ENGG

CLASS:- TECO
SUBJECT:- SPCC
DURATION:- 60 mins.

SEM:- VI
DATE:- 28 /02/ 18
MARKS:- 20

UNIT TEST-1

Q.01 Attempt any 5: (10 Marks)		Marks	CO
a)	Explain flow graph and basic block with the help of example	2	CO-5
b)	Give 3 address code for	2	CO-5

while(a<b)do

if (c<d) then

x=y+z;

else

x=y-z;

c)	Draw DAG to represent the following example with it.	2	CO-5

$(((a+a)+(a+a))*((b+b)+(b+b)))$

d)	Write SDT and draw parse tree to evaluate expression 14+10*12	2	CO-3
e)	Explain SR and RR conflict in LR,LL,SLR.	2	CO-3
f)	Differentiate between system softwares application softwares	2	CO-1

Q.02 Attempt any 1: (05 Marks)

a)	Construct predictive parsing table for given grammar below:	5	CO-3

$E \longrightarrow T\ E'$ $E' \longrightarrow\ +T\ E'\ |\varepsilon$

$T \longrightarrow F\ T'$ $T' \longrightarrow\ *\ F\ T'|\varepsilon$

$F \longrightarrow (E)$ $F \longrightarrow\ id$

b)	Write in brief about compiler, interpreter, assembler, macro processor, device drivers,loaders.Mention the order in which they must function.	5	CO-1

Q.03 Attempt any 1: (05 Marks)

a)	Explain with an example Quadruples and Triples.	5	CO-5
b)	Short note on Lexical analyzer	5	CO-3

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UNIT TEST -1

		Marks	CO
CLASS:- TE CO			
SUBJECT:- MCC			
DURATION:- 60mins.	**SEM:- VIth**		
	DATE:- 01 / 03 / 2018		
	MARKS:- 20		
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