Total No. of Quest	ions : 5]		SEAT No.:						
P6980	[5865]	-103	[Total No. of Pages : 4	-					
	First Vear M.C.A.	. (Manage	ement)						
IT13-OBJECT ORIENTED SOFTWARE ENGINEERING									
e e	(2020 Pattern)	(Semeste	The state of the s	-					
Time: 2½ Hours]			[Max. Marks: 50						
Instructions to th 1) All ques	stions are compulsory.								
2) For MC	O select appropriate choice j	from options							
3) Draw n 4) Figures	eat diagrams wherever neces, to right indicate full marks.	sury.							
4) 118			46						
Q1) MCQ			[10]						
i) The	usually involves build	ding a small	l version of the intended system						
prior	to building the proposed	system.	3						
a)	Waterfall model		Spiral model						
c)	Prototyping model		ncremental model						
ii)		requireme	ents are easily understandable						
and	defined.		3 *						
a)	Waterfall model								
b)	RAD model								
c)	Spiral model								
d)	None of the mentioned								
iii) Whi	ch phase of RUP is used to		ed business case for the system?						
a)	Transition		Inception						
c)	Construction		Elaboration						
iv) Wh	ich model is not suitable	for accomo	dating any changes.						
a)	Spiral	b)	RAD						
c)	Waterfall	d)	Prototype						
v) Wh	ich of the following mode	el follow a	purely sequential approach?						
a)	RAD	b)	Spirat						
c)	Prototype	d)	Waterfall						
		1900							

vi)		oftware maintenance rer	novir	ng errors spotted by users is known				
	as_			d. Merica Children				
	a)	Corrective		LIBRAR				
	b)	Adaptive	2	SE LIDRAN				
	c)	Preventive		10.10 * In				
::>	d)	Perfective Sold is						
vii)		incremental model is	·	all defined requirements				
	a) a reasonable approch when well-defined requirementsb) good approch when a working case product quickly							
	b)							
	c) not used for commercial projectsd) approach to use projects with large development teams							
, ,,,,,,,	d)	model has projects		large development teams				
viii)	a)	2 moder has phas	b)	3				
	a) c)		d)	6				
ix)	0	ich one of the following i						
IX)	a)	Quick design		Engineering				
	c)	Coding	Allin	Refinement				
x)	- /	_	1	defining all requirements early in the				
Λ)	cycl			deriving an requirements early in the				
	a)	Prototype & RAD	/b)_\(Sprial & Prototype				
	c)	Waterfall & RAD	d)\	Waterfall & Spiral				
xi)	The	user system requiremen	sare	•				
,	a)	SRS	b)	Design document (5)				
	c)	FOD &	d)	Feasibility Report				
xii)	Wh	ich of the following is a fu	ınctio	nal requirement?				
	a) .	Maintainability						
	b)	Portability		05.8				
	c)	Robustness		0,0				
	d) -	None of the mentioned						
xiii)) What characteristic of SRS is being depicted in "The product show							
	hav	e a good human interface	"	S. S				
	a)	Consistent	b)	Correct				
	c)	Non-verifiable	d)	Ambiguous				
xiv)) Which of the following is/are included in SRS?							
	a)	External Interface	b)	Performance				
	c)	Functionality	d)	All of the mentioned				

					/ (b) //		
xv)) Providing keyboard shortcuts mostly addresses						
	a)	Efficiency	b)_(Learnability	13		
	c)	Attitude	d)	Utility	0.0		
xvi)	Info	ormative feedback should	l be_				
	a)	Relevant	P.				
	b)	Meaningful					
	c)	Clear					
	d)	All of the mentioned					
xvii)) Wha	at is role of quality review	7?				
	a) 🔊	Find mistake and reduce	e woi	ck 45°			
	b)	Risk Management					
	c)	Cost calculation					
	d)	None of the mentioned	8	W. S. S.			
xviii) Whi	ich is not an Agile method	lolog	y2			
	a)	Scrum	b)	Extreme programming			
	c)	PMBOK3	d)	Crystal			
xix)	Agil	Ity refers to		36			
	a)	Allotment	b)	Analysis			
	c)	Activencess	d)	Advancement			
xx)	In A	gile model SDLC is carri	ed or				
	a)	Sprints Modules	b)	Documents			
:	c)	Modules	d)	Phases	£.5.0.1.05		
	X						
D	C	DC: IDDC)		

Q2) Prepare SRS in IEEE format for the following system.

[8]

A 'Swami Sweets' has decided to automate billing system. Shop has several serving counters. Following functionalities will be considered.

- RFID card will be used for entering details of purchasing at respective counter.
- Bill is prepared at cash counter after reading RFID card entries.
- Bill amount is accepted using cash, card or gpay mode.

OR

Write SRS in IEEF format for event management system. The overall functioning is as follows.

Booking of venue

Registration of vendors

Assigning vendors

- Generating quatations
- Q3) Draw the use case and class diagram for a placement agency site which provides the facility for the condidate to register with their academic details, personal details & skill sets. Organizations can also register with their requirements. Searching facility is provided for searching job as well as condidate. [20]

OR

- Draw state transition diagram for vending machine placed at super a) market. [10]
- Draw Activity diagram for ordering grocery using mobile App. b) [10]
- **04)** Attempt any two.

[8]

- Explain extreme Programing (XP) a)
- What are 12 manifesto of Agile development? b)
- Write a difference between Agile and scrum. c)
- d) Write a short note on Feature Drive Development (FDD).
- Q5) Design a user Interface for feedback of one day CET orientation program conducted by a reputed Institute.

Design UI for external examination form for SPPU.

