Explain each of the following terms as used in project scheduling: I optimistic time; II early start time.	(2 marks)
II early start time.	(2 marks)
nguish between project task and milestone as used in computer project n	nanagement, (4 marks)
intends to develop a system testing policy for her company. Outline four she is likely to include in the policy.	r testing rules (4 marks)
Outline two benefits of carrying out system maintenance policy in or	ganizations. (2 marks)
Parallel changeover is widely used by system developers during syste implementation. Explain two advantages that are associated with this scheme.	ems changeover (4 marks)
	Parallel changeover is widely used by system developers during syste implementation. Explain two advantages that are associated with this scheme.

	trends in SAD.	(2 marks)
(ii)	Explain two methods that could be used to acquire new information systorganization.	tem in an (4 marks)
Disti	nguish between cardinality and relationship as used in entity relation diag	rams. (4 marks)
		analysis (3 marks)
(ii)	maintenance.	(3 marks)
	For e strive (i) Trace	(ii) Explain two methods that could be used to acquire new information systorganization. Distinguish between cardinality and relationship as used in entity relation diag For each of the following SDLC stages, outline three objectives that the system strive to achieve: (i) feasibility studies;

2.

(a)	(i)	Explain the term <i>environment</i> as used in information systems.	(2 marks)
	(ii)	Distinguish between adaptive and probabilistic systems.	(4 marks)
(b)	Josep	oh intends to develop a political information system. From the prelimi m had undefined requirements.	inary studies the
	(i)	Identify the most appropriate system development approach he cou your answer.	ıld use justifying (2 marks)
	(ii)	Explain two advantages of the approach identified in (i).	(4 marks)
(c)	(i)	Differentiate between static and dynamic testing as used in systems	implementation. (4 marks)
	(ii)	The following is description of a diagnostic module used in a clinic. The system would prompt the nurse to enter the patient temperature whether the temperature is positive or negative. If the temperature is system will terminate else will convert the temperature to Fahrenhe diagnosis report.	e and then check

	Draw a program nowchart to represent the logic of the module. (4 mark
_	
(a)	(i) Outline three reasons of using data dictionary in system development. (3 mark
77 (Wall-Y Wa	(ii) Agnes intends to use structured analysis approach for her research project. Explain two limitations that she is likely to experience with the approach. (4 mark
	Edunotes.co.ke
(b)	Maureen intends to use observation method to investigate a proposed system. Outline five disadvantages of her method of data collection. (5 marks)
(c)	Crest Hotel Ltd. intends to use a self-service system to allow its customers to order from
(-)	menu that consist of food, beverages and drinks. The order details are then stored on a pending order file which is then assigned to one of the hotel chefs for processing; the chef details are stored on the chef file. The chef is required to verify the order based on the det
	in the inventory file. When the food is ready the chef updates both the waiter and pending files. The waiter then serves the customer with the order and receives a payment which is forwarded to the cashier who then issues the customer with a receipt and updates the wait and order files respectively.

		Edimotos co to	
(a)	Descr	ribe each of the following types of nodes as used in decision trees:	
(a)	Descr (i)	ribe each of the following types of nodes as used in decision trees: chance/event;	(2 n
(a)		ribe each of the following types of nodes as used in decision trees:	(2 r
(a)		ribe each of the following types of nodes as used in decision trees:	(2 n
(a)	(i) (ii)	ribe each of the following types of nodes as used in decision trees: chance/event; terminal/edge;	(2 n
(a)	(i)	ribe each of the following types of nodes as used in decision trees: chance/event;	

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:)	Table 1	I shows details for a pro	posed system proje	ct in a certain organ	nization. Use it to
	answer	the question that follow	vs.		
		t Activity	Duration (weeks)	Precedence	
	A	Hardware selection	6	-	
	В	Software design	4	-	
	C	Install hardware	3	Α	
	D	Coding and testing	4	В	
	E	File conversion	3	В	
	F	User manual	10	-	
	G	Training	3	F	
	144	Install and Test			
	Table 1		2	D	
	Table				(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
A STATE OF	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
L Sulle	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks
	Table	1			(8 marks

6.

	(11)	Outline three criteria that should be considered when selecting system demethodologies.	(3 marks)
(b)	(i)	Outline two advantages of rapid system development.	(2 marks)
	(ii)	Poly intends to use prototyping to develop an information system for her Outline five strengths of the approach that could have influenced her.	company. (5 marks)
(c)	Abex a new (i)	Systems Company Ltd. intends to use computer-based training sessions for information system. Explain two advantages of the training method that could have influenced company.	
	(ii)	Explain two limitation of the method.	(4 marks)
(a)	Outlin	ne four guidelines that should be followed when developing system docume	entation. (4 marks)

7.

(b)	Table 2 shows net profits for project A and B respectively. Use it to answer the questions that
	follow.

Year	Project A (Kes)	Project B (Kes)
1	30,000	46,000
2	40,000	46,000
3	35,000	40,000
4	45,000	46,000

Table 2

	(i)	Using return on investment technique (ROI) determine the most worthwl given that the initial cost for the two projects was Kes 150,000 and Kesl respectively.	nile project 95, 000 (4 marks)
		Calculate the payback time for each of the project.	(3 marks)
	(ii)	Edunotes.co.ke	(3 mars)
	(iii)	Explain two limitations of using the payback technique on the project.	(4 marks)
(c)	(i)	State two types of stakeholders in a system project.	(1 mark)

	information system. Explain two risk management techniques to avoid derails information system. Explain two risk management techniques that she	
(a)	Outline four qualities for a good output design in an information system.	(4 marks
(b)	Jackson System Development (JSD) is a linear system development method. It typical steps/stages that could be followed when using the methodology.	Explain three (6 marks
	Edunotes.co.ke	
(c)	Afueni Bank Ltd. intends to develop an agency banking system to carter for it number of customers. The proposed system will allow agents to register new deposits, withdraws and fund transfers for the bank customers.	s growing bank account
	Draw a use-case diagram to represent the logical design of the described syste	em. (5 mark

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(d)	Arc Sport Club Ltd. intends to carry out a raffle competition in aid of its community project. The winner of the raffle must have been a club member for at least five years and must have bought raffles worth more than Kes 200,000. In addition the winner must be a Kenyan citizen and possess a good track record in sport.				
	Draw a decision tree to represent the logical of the narrative.	(5 marks)			

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