Chapter 1.3 Reviou Questions. (1) Confrast the following terms, (a) Critical path, scheduling, Gantl, network . dragramming, stek hina Critical path scheduling is a scheduling technique where order and duration of a sequence of tack activities directly affect the completion scheduling. have horizontal born thed Crantle chart are a diagrams that show task durutur firme overlap and slack fine in duration have boxes and links to scheduling Network diagramming area diagrams. that show busk dependencies, show parallelism and show slack him Slack time is the time an activity can be delayed without delaying the project. (6) Project , Project management, Project manager. Project is a planned undertaking of related activities to reach an objective that has a beginning and

Project management is a controlled process of initiating, planning, eneating and closing down a project.

Project manager is a system analyst with diverse set of skills immonagement, lear denship, fechnical, conflict management and customer relationship - who is responsible for initiating, planning, executing and closing down a project.

(c) Project initiation, project planning, project execution,

Project initiation is the phase where size, scope and complexity of pho of project is assessed and procedures are established

Project planning is the phose whiere clear and discrete activities one defined as well as the work needed to complete each activity.

Project execution is the phase where plans created in prior phase one put into action

Project closedown is the phase where the project is brought to an and. (d) Project workbook, resources, work breakdown structure Project waxbook is a comprehensive and centralized document that contains various preces of information, documentation and records related by a · specific project. Resources refer to the assest people, buils, equipment, materials send finances required to encute and complete a project successfully, including for tangible and intengible work breakdown Chruchure (was? is divisor of project into manageable and logically ordered trucks and subtacks, (2) Docum the reasons why organizations undertake information systems pargect. Ans Organizations undertake information system project for various reasons which are discussed below: (i) Business Process Improvement. Information systems projects are after instruted to streamlers and optimize emisting business processes. By implementing new technology solutions, organizations con automate manual tasks, recluse inefficiencies, climinate bottlenecks and enhance overall operational efficiency.

(ii) Competitive Advantage:

Organizations recognize that leveraging advanced informations systems can provide a competitive edge Implementing innovative technologies can lead to better customer experiences, faster product development equicker decision-making and improved service delivery, all of which contribute to a stronger market position

(iii) Data Management and Analysis.

Information systems project can help organizations gather, store, manage and analyze voot amount of deta.

This data-driver approach enables data driver decisionmaking, better insignts into customer behaviour, market brends and operational performance; leading to more informed business strategies.

(iv) Cost reduction:

Information systems projects can result in cost saving by automating repetitive tasks, reducing paperwork, optimizing resource allocation and improving overall operational effections.

[1] Risk management: Effective information systems projects can help organizations identify, assess and mitigate risks. By improving date security, disaster recovery and business continuity planning, organizations can minimize potential disruption (3) List and describe the common shails and activities of a project manager. Which skill do you think is most important? why? Aus. The common skills and activities of a project monager on as follows: (i) Monagement skills. (1) leadership skills. (til) Technical skills (v) conflick management skills (4) Customer relationship skills (1) Management skills. The project manager is responsible for managing the entire project. So, the project manager must have management skills euch as resource managements time management ct.

(i) Leadership skills Project managers need strong leadership skills to guide and motivato their teams they should be able to set a clear vision, inspire from members and foster a sense of purpose and commitmend toward project goals fruttechnical skills of the project monager must have sold understanding helps in making informed decisions and communicating effectively with from members. (iv) Conflict monagement skills Conflict management skills help in addressing disagreements and maintaining a positive team dynamic. (V) Customer relationship skills. Costomer relationship skills are essential for project moragers to effectively interact will and manage relationships wim their clients or stakeholders

Communication ckill is the most important skill for a projed monager. · Effective communication permentes every aspect of poroject management. of facilitates understanding, boruldo relutionships, monages enpediations, readles conglish and drive collaboration without it project managers may struggle to convey their vision, navigate challenges and with ultimately deliver successful outrombs (a) Describe the achivires performed by the project monager during project instruction. An. The activities performed by the project manager during project initiation are as follows: (ii) bu comblish relationship with customer. (10) form a project instration plan (in set up monagement procedurs. (v) organie project management environment and Workbook (vi) Create a project charter.

(5) which of the four phases of the project monagement process do you feel 13 mos challenging ? why. moragement process is the enecutron phase because of the following reasons (i) Complexity management: - Quing the one whom phose whe project plan is put into action. Managing the complexity of various taoks, resources , time lines and dependencies can be challenging. (Ti) Resource Alloration: Efficiently allocating and managing recurries is crucial in the Enember phase. Balancing competing priorities and making real time: decisions about resumme allocation con be. demonding (iii) Scope change! Sometimes, scope changes or unempected requirements emerge during the enewhon phase. Managing these changes while minimizing disruptions to the project timeline and budget con be a significant challenge

(iv) Team Dynamice. Monaging a diverse team and onsuring effective collaboration can be complex. Addressing conflicts, maintaing motivation and ensuring everyone. is algred with the Portject goals con require. significand effort (v) Risk management. Risks Most were identified earlies in the project may materialize during the eneather phase, Monaging and mitigating these visks while minimizing their impact on the project can be downtry. (3) Describe the activities performed by the project manager during project planning.

Ans. The activities performed by the project manager during project planning one as follows:

(1) describing project scope, a Hernatives and feasibility (i) dividing the project into manageable tooks Gir estimating resources and creating a resource plan (1.) developing a preliminary schoolule. (v) developing a communication plan (vi) determining project standards and profedures (viii) Identifying and ansessing risk (viii) creating a proliminary budget (17) Developing a Project scope elatement.

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(%)	setting a Boselin project plan	
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<b>E</b> )	Describe in activities performed by the project	
	Monagen chury majell one	
Ans	The achvikes performed by the project monager	
	The activities performed by the project mornager during project onecution are as follows:	
(x)	Enecute the baseline project plan.	
(£;)	Mornisor progress against baseline plan.	
(ii)	Monage charges in boscline plan,	
((v)	Mainbuin project workbook	
(~)	Communicate project status	
(3)	List various project team communication methods	
-	and describe an example of the type of information	
	that might be shared among team mambers	-
	using each methods with informationshould	-
Bra	The various project team communication methods asi-	-
(1)	Project workbook - project goods, team roles.	-
(1)	Meetings - critical decessions ecomplex descussion	-
di	Semirars and workshops - gurdelines, reference mederate	1
(1.1)	Project; newsletters Project achievements.	_
· (n)	Status reports Project progress	
(VI)	Specification accuments Project some	
(Ail)	Minutes of meetings - Project applates.	3
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(viii) Bulletin bounds, - Project progres (3) Memos - budget project templats (x) Brown bag lunches - discussions ( r) Mallway discussion - informal team discussion (9) Describe the activities performed by the project manager during project closedown As The activities performed by the project monoiger during project closectown are as follows: (i) Close down the praject. (ii) Conduct Post-project reviews ... - reflect on the projects overall performance analyze chrengths, and weaknesses and identify areas for improvement in Juture projects. (iii) close customer contract. If me project involved enterned vandors or suppliers, enouse that all contracts and agreements are formally closed , and any outstanding lobligations are resolved. (iv) Prepare final reports Create a first project report that cummorize the projects objectives, outcomes, lenous learned, challenges and recommendations for Improvement.

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(10)	what characteristics must a project have in
	order for critical path scheduling to be opportunity
Und	the characters has that a project must have
	as follows.
	do de la companya de
(2	Sequential activities.
(ii)	Network of achinities.
(113)	totalmation of activity duration
(v)	Idensifiable Start and finish
(V)	Dependent activities.
(in)	fixed resources.
(M)	linear relationship
(iii)	Critical activities
62)	Objective of Time Optimization
(X)	Ovenhi fait le outputs. Predectable Variability.
(13)	Quantificable outputs.
(111	predictable variability.
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(2) A	project	has been defined	alone with 1	the hear	1
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A	hvely No.	Immediate Activity	Time (weeks)	-Predecessor.	A CASA
4	7	Collect requirements.	3	3.	-
100	7	Aralyze processes	2		
	3	Analyze data:	3	2	
7	9	Peoign processes	6	2	12
	5	Deogr data	3	ን .	
	6	Deoign Screen	2	3,4	1
0.10	I	Deorgn reports	4	4,5	1
	8	Program	5	6,7	10
	9	Fost and document	7	7	1
1:	0	Troball	Э	8,5	3
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