SEPM ARCIGNIMENTI-2

	in the fact that
	KON ASTRONOM :
Ø.	Differentiale blu cit CPH & PERT
	intermediate furching tosts = =
26.50-17	BUR WID SPERT botol such With this will spell such appet A -
	1) PERT Stands for project eval and owiew &) CPM stands for critical path method.
	technique.
	a) It is a technique of project management 2) It is a technique of project management
	which is used to manage uncertain used to only certain activities of
428 110	activities or any project. In between any project when we
	3) It is a probability model. 2) It is deterministic model.
	4) Appropriate for 4) Appropriate for masonable time
	- Whiston 40 dem actimation. I what -
	5) Non-repetitive nature of job. Bepetitive nature of job.
relation	6) No charge of crashing as there is 6) may-crash between of on-boun
	no certainity of time. time bound.
d	- HOUR to HURT - HOUR to HOUR . HOUSEN HOUT to FINISH. HOUT to Ann
(2)	- Adv. Men flighte and moting und, Our restrict had and up to
۵٠	Explain the diff blow total slack and see plack.
<i>→</i>	10(00 4104 1
	- It is the amount of time a task can be delayed without delaying the
UNI JAN	project l'everall completion data. La completion data
_	if total stack is -ve it means the project is behind schedule and needs
	comprution techniques like crashing ou fast-tracking.
_	If total slack is zero, the teusk is on the contical porth.
	- + UZER ONLY FROM PO - 10 HELP STREETHENDED .
	free dlack:
_	It is the amount of time a fask can be delayed without delaying the
	Start of any succeptor task.
_	It is useful for identifying tasks that can be postponed without
	affecting dependent activities.



key difference: total slack affects the entire project completion, where as tree stack only affects immediate successor taste. A task can have free black but Hill have total black but not vice vessa. Free Hack is always equal to or less than total black. ADA & ADN diagrams & Activity on node diagram: In AON, activities are represented as nodes (boxes) and dependencies beto them are shown with arrows. key characteristics: - Moder: represent project activities. - Arrows indicate dependencies tow activities-- Used in precedence diagrams which allows for diff types of relation -ships. - Finish to start. Start to start. Finish to finish. Start to finish. - Adv: More flexible and widery used, can reportent lead and lag times e Hectiviely. Activity on AUTON (ACA): In ADA activities are represented by alrows, while chodde) represent the Start & end points of activities. key characteristics: The the market and the season will - Arran represent activities, Moder represent center. - uses only finish to start relationships. Adu: - Clearly shows dependencies 9 the critical path - timpler for smaller projects.



Q.	Explain visk identification, vitte projection, RMMM plan in detail.
	Risk identification is the process of recognizing potential sirks that could
	regatively impact a project, system or organization key steps include:
	- Undertanding project (cope.
	- Brainstorning & expert consultation.
Atao,	- buot analysis
MANUEL	- Checklist based approach.
	- Historical data analysis
	- Outegorizing rides : to be to be and out of out of the 219
	a) Technical risks
BU IN	is to billiprancial girl boot offered then timping the one in
<u> </u>	c) Operational sixts
	dirextendi sires. Heramonis de tribunia e manife
fa	Risk projection also known as sisk estimation involves analyzing the
	identified sites in term of their likelihood, impact a priority.
	This helps in decision making regarding nútigation starategies.
141 11	key as pecta i netudi:
preside	- probability assessment: estimates the chances of risk occurring.
	- Impact analysis: determines the severity of consequences if the sisk
	occult.
1994564	- Riok exposure calculation: RE=PXIn
V	- BMMM! Autom & warm
not us	=) Risk mitigation: defined as strategics to prevent risks from occurring.
thouso:	=) Risk monitoring: continuous tracking of risk indicators and warnings.
	-) Risk management: developing response plans for different tolk scenarior.
, (1) ju	V
\ Q.	Explain Software configuration management.
→	Configuration management is the process of identifying and defining
	Configuration management is the process of identifying and defining the soleafe and change of these items throughout the system
	V V

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lifterful recording and reporting the status of configuration items of change request. Configuration management is practiced from in one form or another ou party of an st project where scheral individuals or organizations have to coordinate their activities. Sem is a system for managing the endution of software products, both during the initial stages of development and all stages of maintenance. All suppositing software used in der even though not part of the soft -ware product, mould also be controlled by scm. Advantages: i) dem provides hignificant benefits to all projects regardeen of size, scope and complexity. ii) Providu a snapshot of dynamically changing toftware. ii) Tracks concurrent development of modules or components of overall system. Q. Explain the significance of Jant charts in project management. A Gant chart is a visual project management tool that represents the echedule of tarks over time. It helps in planning, tracking a managing tasks efficiently ensuring that project stay on schedule. Som pigniticance: is visualizing the project timeline: provider a clear picture of the projects progress & structure. iil Task scheduling a deadlines: cusures teat teaks are completed on time by outling clear start and end dates. Helps managers allocate resources effectively and avoid scheduling conflicts. iii) haanaging task dependencies: identities which task only on other, presenting delays in sequential tasks. Helps in adjustily schodules when dependencing mitt



