

# SPM Mid Term

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## Question # 1

### Project Plan

#### Definition :-

A project plan would encompass every single detail that there is to project. It emphasises on the exact sequence of everything that is going to take place in a project.

Project Plan deals with

- Information Plan
- Time management Plan
- Human Resource Plan
- Work management Plan
- Quality Management Plan
- Risk management Plan
- Cost management Plan

### Project Management Plan

Project Management Plan is a sole document used to describe the project management approach or system used in implementation of the project plan by the project team.

Project management Plan deals with

- People
- Process Products
- Strategy
- Development
- Marketing
- Engineering
- Finance
- Planning

## Question #2

### Project :-

A project is a temporary endeavor undertaken to create a unique product, service or a result

### Program :-

A program is a group of related projects managed in a coordinated way and usually includes as element of on going activity

### Portfolio :-

A portfolio is a centralized management of the processes, methods and technologies used by product managers to analyze and collectively manage current or proposed project on numerous key characteristics.

### Examples :-

Project = Development of CMS

Program = HEC Program for development of CMS for all registered universities.

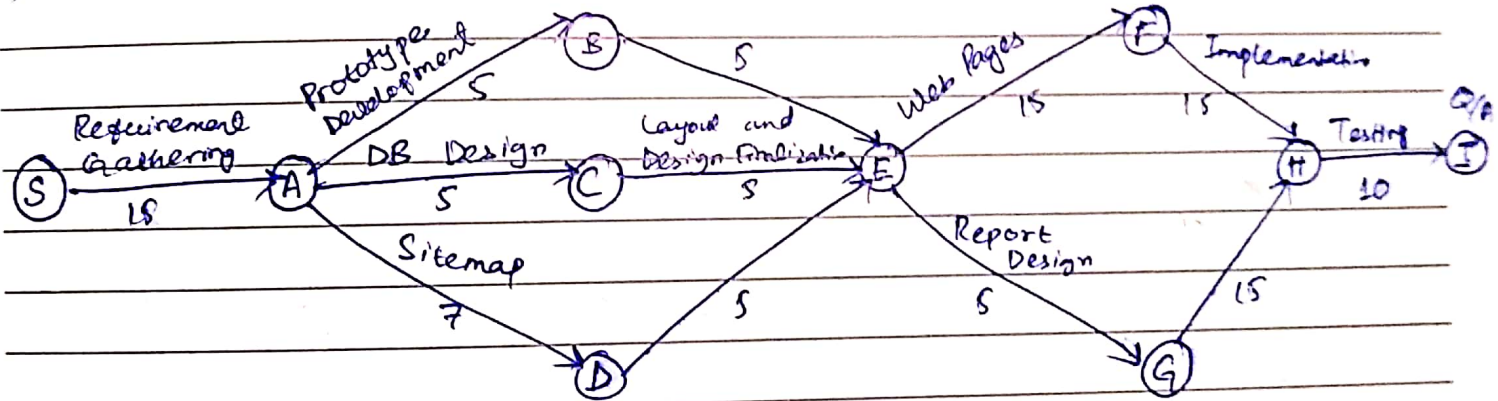
### Portfolio =

Content Management System



## Question # 3

(a)



(b)

Critical Path is

S A D E F H I

Duration is-

$$18 + 7 + 5 + 15 + 15 + 10 = 67$$

# Question # 4

## Paths

- i) S-A-B-E-F-H-I = 65
- ii) S-A-C-E-F-H-I = 65
- iii) S-A-D-E-F-H-I = 67 → Critical Path
- iv) S-A-B-E-G-H-I = 55
- v) S-A-C-E-G-H-I = 55
- vi) S-A-D-E-G-H-I = 57

Path	length	Crash H	Cash H	Cash H	Cash E	Cash I	Cash I	Cash I
i	65	64	63	62	61	60	59	58
ii	65	64	63	62	61	60	59	58
iii	67	66	65	64	63	62	61	60
iv	55	54	53	52	51	50	49	48
v	55	54	53	52	51	50	49	48
vi	57	56	55	54	53	52	51	50

Action	Marginal Cost	Total Cost
Cash H	\$ 150	\$ 150
Cash H	\$ 150	\$ 300
Cash H	\$ 150	\$ 450
Cash E	\$ 200	\$ 650
Cash I	\$ 250	\$ 900
Cash I	\$ 250	\$ 1150
Cash I	\$ 250	\$ 1400