SVKM'S
NMIMS
Deemed to be UNIVERSITY

SUPERVISOR'S SIGNATURE WITH DATE

DATE : 16/9/14

ROLL NO. A059

NAME : Chinmay Parikh TRIMESTER/SEMESTER : 7 DIVISION: A

PROGRAMME : BTech

SPECIALISATION IT

MODULE (SUBJECT) SPM

TOTAL NO. OF SUPPLEMENTARY SHEETS ONLY (1)

QUESTION NOS.	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL MARKS OBTAINED	MAXIMUM MARKS
(MARKS OBTAINED) (TO BE FILLED IN BY EXAMINER)	4.5	4	3	4									12.5	

SIGNATURE OF THE EXAMINER

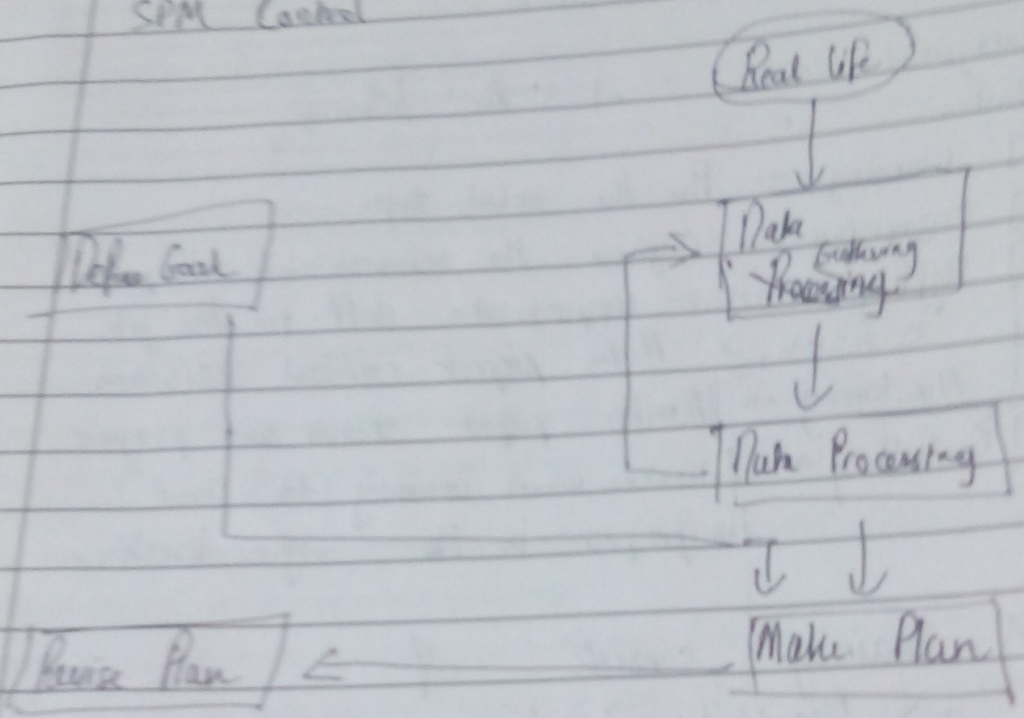
INSTRUCTIONS TO BE STRICTLY FOLLOWED BY CANDIDATES

This answer-book contains eight pages. Check whether the relevant answer-book provided contains eight pages and wheth the pages are properly numbered.

Candidates should occupy the correct seats as per the seating plan displayed and write appropriate details in the spa provided for the purpose on the answer book.

Candidates must produce their photo identity card provided by the University for verification to the room supervisor during

SPM Control



① Gather Raw Information
② Process it, Define a goal.
③ Make a Plan
④ Revise the Plan
⑤ Either iterate or execute it.

NMIMS 4

Marks Awarded | Question Nos

NMIMS 5

Marks Awarded

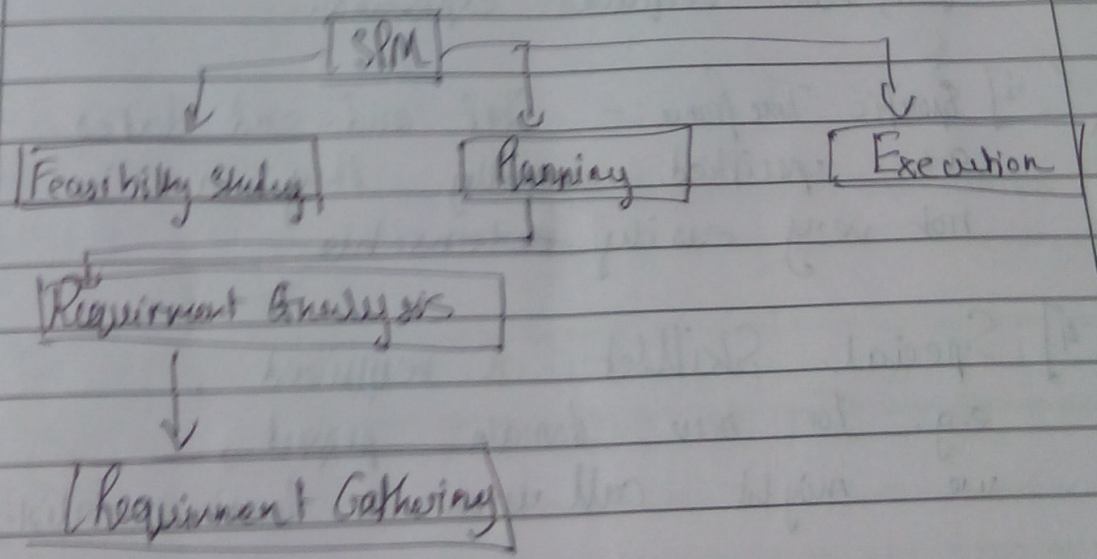
1] b] Work Breakdown Structure

It's a hierarchical graph of modules broken down parts of a project, in a bid to better understand and simplify it.

WBS breaks the project into :
① Categories
② Sub Categories
③ sub - sub categories
④ Work Package

e.g

2



WBS can be approached in ~~two~~ 3 ways
① Activity BS
② Product BS.

Question Nos

Marks Awarded

4] Various Characteristics of a project

1] Non - routine
2] Specific Time Frame
3] Worked upon for someone else
4] Requires specialization in specific areas
5] Huge and/or complex project.
6] Requires Quality Measures
7] Constraint on resources
8] Dead line dependent
9] Requires planning (more than usual).
10] Is done by more than one individual

1] Non-routine :- The activities in the project are different from routine jobs, hence requires exploration.

2] Specific Time frame - Start and end dates are specified, usually they are not very easily extensible.

4] Special Skillset is required, e.g. For new domain project, we might call upon a domain specialist.

6] Quality is a huge criteria for production deployable projects.

7] Limited Resources, in most cases skilled hr hour or manpower.

9] Planning is more rigirous, than normal. Outlines, guidelines, Standards.

Question Nos

2 a] Select a project

1] Identify goals and scope
→ Find stakeholders, consult them, conduct feasibility analysis, make a plan, set up communications with all parties.

2] Identify project structure.
→ Select General life cycle,
Select paradigm
Research previous projects.

3] Make a plan
→ Guidelines → High level works
→ Outlines
→ Standards
→ Time frame

3

4] Identify products and activities
→ Find the deliverables
→ Find the activities behind the deliverables

5] Estimate Effort for each activity
→ Calculate resource usage
→ Make timetable

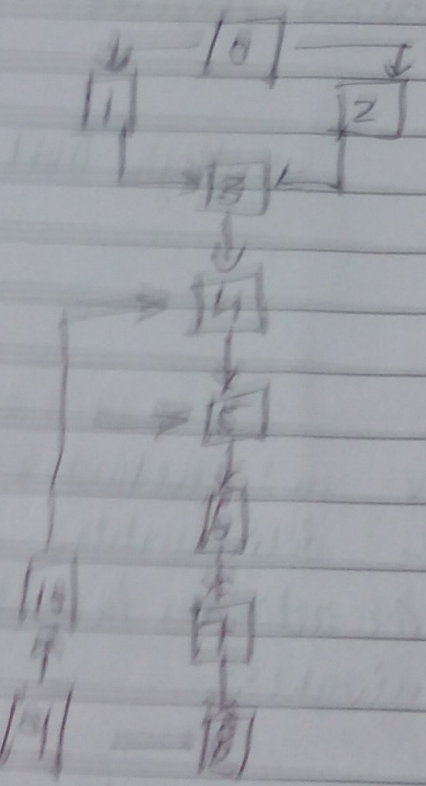
6] Identify activity risks
→ Finds risks
→ Control them via contigency measures, etc.

[0] Allocate Resources
Give out tracksuits
Communicate with all parties
Route Plan

[1] Review / Publicize Plan
Review, document Plan

[2/3/4] Lower level Planning / Execution

Diagram



Numbering according to the points.

NMIMS 3

Question Nos		Marks Awarded
2]	S/w Project problems	

1] Invisibility
2] Flexibility
3] Conformity
4] Complexity

S/w Project Manager problems

1] lack of Resources
2] lack of Skilled labour
3] lack of understanding
4] Impossible to achieve goals
5] Bad planning

S/w Project technician

1] Management ignorance
2] Management's lack of knowledge
3] lack of communication blw users and developers
4] lack of specialization
5] lack of experience.

— x —

Invisibility - S/w projects cannot be seen or touched, hence a show of progress is often hard to measure.

Flexibility - S/w projects tends to more flexible than real world projects, due to easily changable business environment.

Question Nos		Marks Awarded
	Conformity :- Real world projects have materials which either to the laws of physics, have are easily understandable. s/w developer on the other hand have to understand customers customized requirements.	
	Complexity :- Per evaluation complexity of s/w projects is the highest.	