Examination Rull No - 18312911011

Date & Time - 02/12/2021 @ 9:30 AM

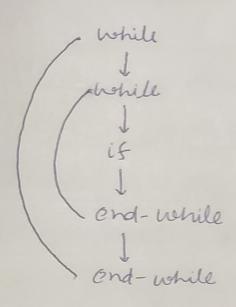
Name of Program - B. tech (IT & MI)

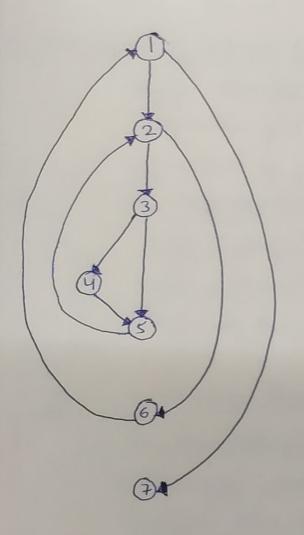
Semester & Year - VII Semister / IV year

Unique Paper Code - 911712

Title of Paper - Software Project Management

\$2 (a) Flow graph for the code given





(b) Eyelomatic Complenity

Complexity (m) = E - N+2P

where E = no. of edges
= 9

N = no. of nodes = 7

and P = no. of connected

compenents on

no. of nodes that have
enit points

 $m = 9 - 3 + 2 \times 1$ = 4

(c) Independent Petty forming the basis set

(1) 1 → 7

 $(2) \quad 1 \rightarrow 2 \rightarrow 6 \rightarrow 1 \rightarrow 7$

 $(3) \quad 1 \rightarrow 2 \rightarrow 3 \rightarrow 5 \rightarrow 2 \rightarrow 6$

→ 1 → 7

 $(4) \quad 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5$ $\rightarrow 2 \rightarrow 6 \rightarrow 1 \rightarrow 7$