Examination Rule 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

Using COCOMO II Model,

Effort Required to build software that

produce 12 screens, 10 reports & weill

require 80 3GL components.

The Complenity is difficult with weights as 3,8,10 respectively & productivity rate = 13

Object	Count	Complenity	Weight Factor	Total
Screen	12	Difficult	3	36
Reports	10	Difficult	8	80
3 GL Components	80	Difficult	10	800

or Total Objects = 916 30% of the components can be reused

Object points can be computed as:

 $NOP = (Object | points) \times [(100 - % newst)/100]$ = 916 \times \frac{70}{100} = 916 × 0.7

NOP = 641.2 Object points

Also,

Productivity Route = 13

:. Estimated Effort = NOP

 $=\frac{641.2}{13}$

= 49.323

Hence, the required effort = 49-32 person-months