Examination Roll No – 18312911011

Date & Time – 02/12/2021 @ 9:30 AM

Name of Program – B.tech (IT & MI)

Semester & Year – VII Semester / IV year

Unique Paper Code – 911712

Title of Paper - Software Project Management

Q.3

To calculate the expected/estimated time for each activity, following eq^n is used

$$T_e = (T_o + 4T_m + T_p)/6$$

where

Te is the expected time

To is the optimistic time

Tm is the most likely time

& Tp is the pessimistic time required to complete an activity

∴ the estimated time for given tasks is as follows:

Tasks	Estimated Time (in person days)
Req. Analysis & Project Planning	$(7 + 4 \times 10 + 13)/6 = 10$
Setting up the environment	$(3 + 4 \times 6 + 9)/6 = 6$
Software Construction	$(48 + 4 \times 83 + 100)/6 = 80$
Unit Testing	$(20 + 4 \times 28 + 33)/6 = 27.5$
User Training	$(4 + 4 \times 5 + 6)/6 = 5$
System Testing	$(10 + 4 \times 15 + 20)/6 = 15$
User Documentation	$(23 + 4 \times 28 + 45)/6 = 30$
Data Migration	$(18 + 4 \times 18 + 30)/6 = 20$
Conducting User Acceptance Report	$(14 + 4 \times 21 + 22)/6 = 20$