SE3002

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(In-class) Assignment 1.
Weight: 5%; CLO 3

FASTHealth is a software house that specializes in developing Django-based web apps for hospitals and clinics desiring to automate their information management systems. It is considering adopting the following SQA plan (see Table 1) for its next client.

Table 1: SQA Plan

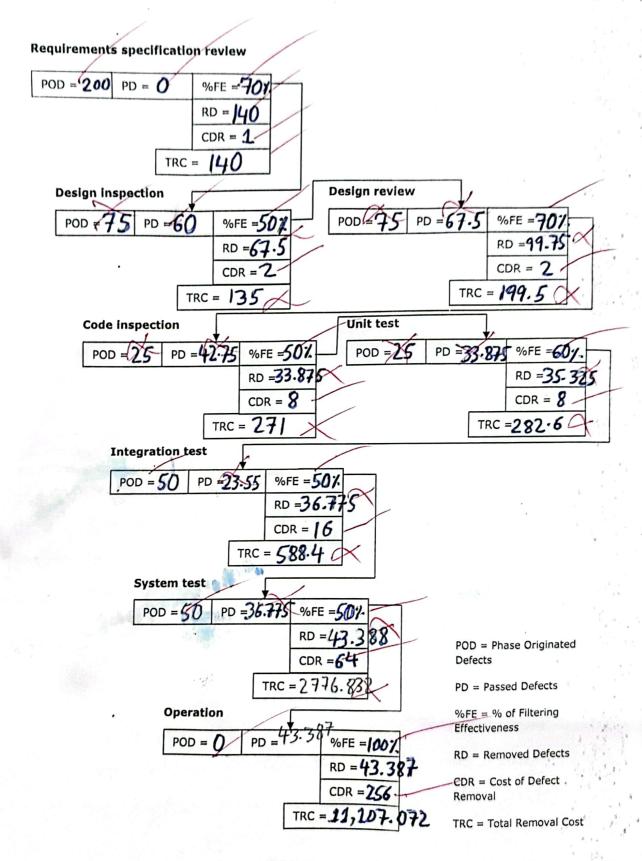
No.	SQA Activity	Defect Removal Effectiveness	Cost of Removing a Detected Defect (Cost Units)
1	Requirements specification review	70% ~	1
2	Design inspection	50% ✓	2
3	Design review	70% ✓	2
4	Code inspection	50%V	8
5	Unit test - code	60% V	8
6	Integration test	50% V	16
7	System test	50%	64
8	Operation phase	100% -	256

Using the defect origin distributions in Table 2, complete the process-oriented illustration of the above SQA Plan on the following page assuming the removal of 500 defects. All values should be accurate to 3 decimal places.

Table 2: Distribution of Software Defect Origins

No.	Software development phase	Average percentage of defects originating in phase
1	Requirements specification	40%
2	Design	30%
3	Coding (coding 10%, integration 10%)	20%
4	System test	10%

There is no partial credit in this question. Therefore, check your answers carefully.



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