Roll No. 22L-7971

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Section BSE-53

(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%	8
8	Unit test - code	60%	8
6/	Integration test	50%	16
7	System test	50%	64
8	Operation phase	100%	256

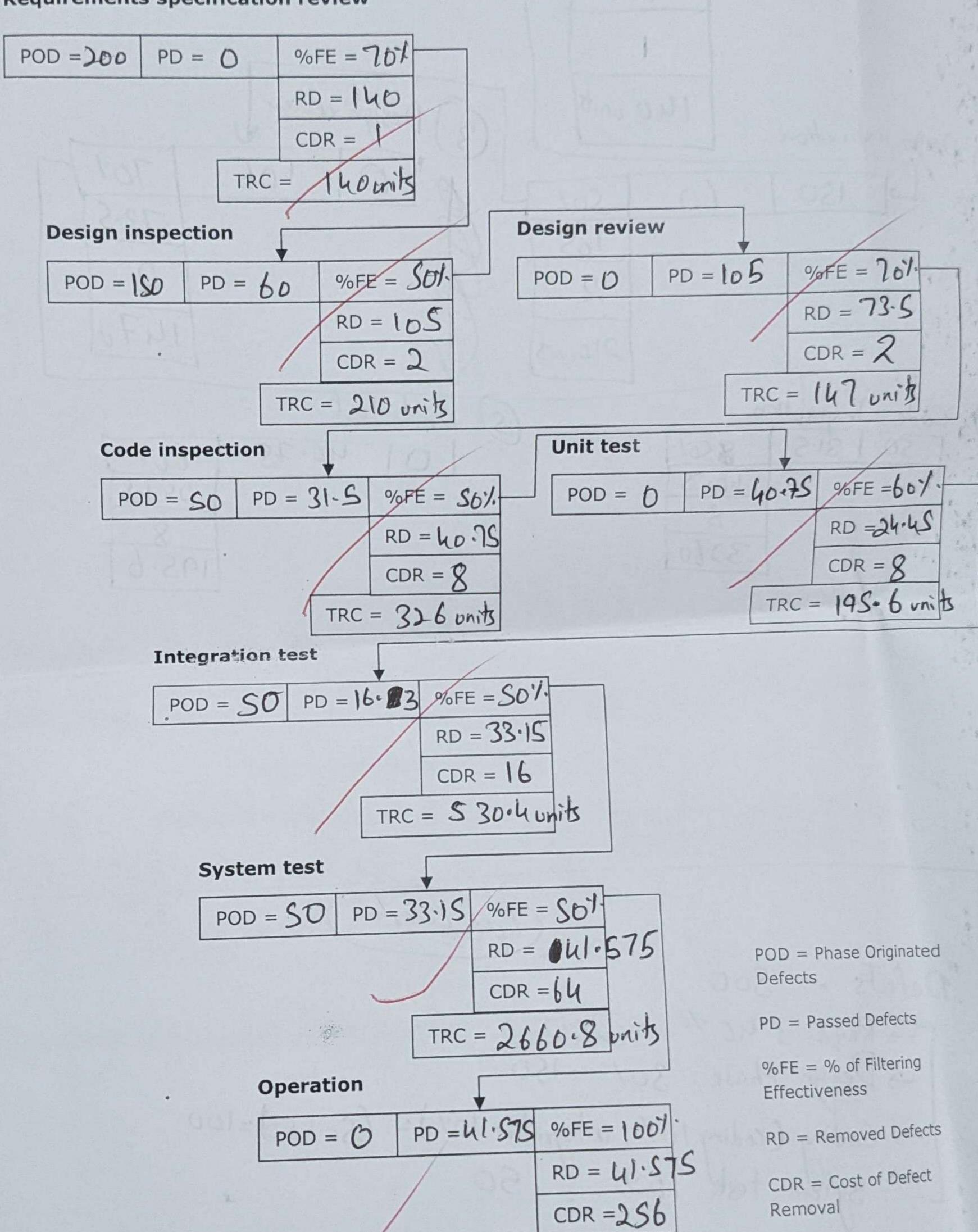
Using the defect origin distributions in Table 2, complete the process-oriented illustration of the above SQA Plan on the following page assuming the removal of 500 defects. All values should be accurate to 3 decimal places.

Table 2: Distribution of Software Defect Origins

No.	Software development phase	Average percentage of defects originating in phase
6	Requirements specification	40%
		30%
2	Design 10%)	
3	Coding (coding 10%, integration 10%)	10%
	System test	1070

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

Requirements specification review



TRC = 10643.2 units

TRC = Total Removal Cost