[CB-BA 521-B/CB-BS 539-B/CB-BS 525-B]

AT THE END OF FIFTH SEMESTER (CBCS PATTERN)

COMPUTER APPLICATIONS - V(B) - SOFTWARE ENGINEERING

(Common for B.A. (CA), B.Sc. (CS), B.Sc. (CA))

(From the Admitted Batch 2015-16)

Time: 3 Hours

田 粉 烟 湖 雪 红 场

375 CO2 327 TO5 538

22 2

323 323 323 323 323 323 323

EN 200 283 384 384 384 386 3

123 303 323 323 324 325 Max. Marks: 75

323 325

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

- What is Software Engineering? 020 027 324 324 835 325 323 323 323 323 ga 328 345 327 327 328 304 346 320
- 2. Explain requirement elicitation. 343 383 383 383 383
- 23 928 223 223 223 323 323 323 Explain various software design guidelines.
 - 823 1823 1824 1928 1829 823 523 1923 1923 824 327 (823) 822 823 823 823 925 7 4. Explain about Human Computer interface design: 323 323 323 928 DJS 428 823 528
 - 5. Explain control structure testing. 323 323 323 323 323 323 NES 423 ALC NO TO 323
 - 923 324 848 883 323 323 329 329 32 Briefly explain system analysis principles. 323 343 327 723
- 7. Explain architectural styles.
 - 327 825 323 327 327 623 . _{623 923 923} 923 **8**. 3 Explain about white box and black box testing. 323 324 429 325 32⁷

SECTION B $-(5 \times 10 = 50 \text{ marks})$ 320 323 323 323

Answer ALL the questions.

-316 320 321 328 228 50 (a) Explain about Agile process model. Also list merits and limitations. (43 323 523 523 OF 323 523 323 523 523 523

- 020 383 824 324 325 585 385 68 (b) What is Risk analysis? What are its types and explain risk analysis process. ছে। এইও প্রের জন্ম এন্ট্রিট <u>এইও রহর</u>
 - 334 523 523 17 (a) Explain Requirement Engineering process. THE ENE EXT

324 328 324 72 Or 324 325 325 325 325

25. 95. 30.9 37. 25. 35. 45. 45.3 32.0 32.0

304 322 351 578 375 575 478 373 223

Explain how analysis model is created by identifying its elements. (b) 425 JUN 377

2024 98 720 363 506 323 32

p -03 923 823 823 833

(a) 1/45

3,10

(a) Define and explain various types of cohesion in detail.

Or

- (b) What is data design? What are the various elements of data design? Write guidelines for data design.
- 12. (a) Explain the golden rules used for user interface design.

Or :

- (b) What are the steps used in user interface analysis? Write about user interface design models and design process.
- 13. (a) Explain Software Reverse Engineering and Re-Engineering in detail.

Or

303 M23 D23 M23 323 323

325 323 324 325

323

323 323 324 328

323

(b) What are Programming Tools? Explain in detail:

1. 121. 114

V-121-3VA 1939

In the first that