[Total No. of Printed Pages-3

[CB-BA521-B/CB-BS539-B/CB-BS525-B] AT THE END OF FIFTH SEMESTER (CBCS PATTERN) DEGREE EXAMINATIONS COMPUTER APPLICATIONS - V(B) SOFTWARE ENGINEERING

(Common For B.A.(CA)/B.Sc.(CS)/B.Sc.(CA)) (From The Admitted Batch of 2015-2016)

Time: 3 Hours Maximum: 75 Marks

SECTION - A

I. Answer any Five questions.

 $(5 \times 5 = 25)$

- 1. Briefly explain about linear sequential model.
- 2. Explain requirement elicitation and analysis.
- 3. Explain various decomposition techniques.
- 4. How a user interface design is evaluates?
- 5. Explain about software quality merits.
- 6. Explain the merits of software quality.
- 7. Explain about problems and solutions of requirements.
- 8. Explain function-oriented design.

[Turn over

15,000

SECTION-B

II. Answer All the questions.

 $(5 \times 10 = 50)$

9. a) Explain about Agile process model. Also explain its merits and limitations.

(OR)

- b) Explain about system development life cycle.
- 10. a) What is requirement engineering? Explain various Requirement engineering tasks.

(OR)

- b) Explain about software requirements analysis.
- 11. a) What is software architecture? Why it is so important? Explain structural partitioning.

(OR)

- b) What is coupling? Explain various types of coupling.
- 12. a) What are the steps used in user interface analysis? Write about user interface design models and design process.

(OR)

b) Explain Human factors and Human computer interface Design.

- 13. a) Explain software reverse and Re-engineering.

 (OR)
 - b) Explain Black Box and White Box testing.

[21-BS225]

AT THE END OF SECOND SEMESTER (CBCS PATTERN) DEGREE EXAMINATIONS DATA STRUCTURES USING C

COMPUTER SCIENCE - II

UG PROGRAM (4 YEARS HONORS)

(w.e.f. Admitted Batch 2020-21)

Time: 3 Hours

Maximum: 75 Marks

SECTION - A

Answer any Five questions.

 $(5 \times 5 = 25)$



What is ADT? What are the advantages of ADT?



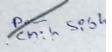
What are the applications of Linked List?



Explain how stack is helpful in recursive function calls.



Write different properties of Binary tree. const properties



- How to find minimum and maximum element in BST?
- Explain different approaches to designing an Algorithm.

15000

Turn over

(2)



Write about different types of queues.

Write different applications of Graph.

SECTION - B

Answer All the questions.

 $(5 \times 10 = 50)$

Write about Refinement stages.

(OR)

by Explain various operations on arrays.

10. structures. Explain about Linear and Non - Linear data

(OR)

of linked lists. What is linked list? Explain different types

7 implementations of stack. What is stack? Explain different

(OR)

6 insertion and deletion operations. What is circular queue? Write algorithms for

12.

a)

What is searching? Explain different types of searching techniques.

(OR)

5 with example.

[21-BS225]

What is Tree? Explain different types of (3)

<u>b</u> What is BST? Explain different operations trees. (OR)

of BST.