

Total No. of Questions : 4]

SEAT No. :

P2977

[Total No. of Pages : 2

[5801]-529

T.Y. B.Com. (Semester - V)

SOFTWARE ENGINEERING - I

Computer Programming and Application (Special Paper III)

(2019 Pattern) 356 (L)

Time : 2 Hours]

[Max. Marks : 50

Instruction to the candidates:

- 1) All questions are compulsory.
- 2) Figures to the right Indicate full marks.

Q1) A) Fill in the blanks. (Attempt any 5 out of 6) [5]

- i) The first step in the SDLC is _____.
 - a) Analysis
 - b) Design
 - c) Problem Identification
 - d) Development
- ii) _____ is characteristics of software Process.
 - a) Understanding
 - b) Visibility
 - c) Reliability
 - d) All of the above
- iii) RAD stands for _____.
 - a) Rapid application Development
 - b) Rapid application model
 - c) Rapid application Design
 - d) Recent application Development
- iv) _____ is proposed the spiral model.
 - a) Barry Bohem
 - b) Pressman
 - c) Royce
 - d) IBM
- v) Quality management is known as _____.
 - a) SQI
 - b) SQA
 - c) SQM
 - d) SQA and SQM
- vi) _____ is system software.
 - a) Computer Program
 - b) Testing
 - c) AI
 - d) IOT

P.T.O.

B) Match the following : [5]

List I

List II

- | | |
|---|--|
| a) Spiral Development | i) Explicit Recognition of Risk |
| b) Water fall model | ii) Specification can be development incrementally |
| c) Evolutionary Model | iii) Requirement comprises are inevitable |
| d) Component based software engineering | iv) Inflexible partitioning of the project into stages |

Q2) Short Notes (any 2 out of 4) [10]

- a) Characteristics of system
- b) Spiral model
- c) SRS
- d) System Analyst.

Q3) a) What is system? Explain system elements and types. [8]

b) Explain feasibility study & it's types. [7]

Q4) a) What is software engineering? Explain it's needs and characteristics.[8]

b) Explain waterfall model with advantages and disadvantages. [7]

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[5801]-530

T.Y. B.Com. (Vocational)

355(A) Computer Applications - I

(CBCS) (2019 Pattern) (Semester - V)

Time : 2½ Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Figure to the right indicate full marks.

Q1) A) Fill in the blanks.

[5]

- i) Python file has _____ extension.
 - a) .python
 - b) .py
 - c) .pth
 - d) .p
- ii) Python was developed by _____.
 - a) Ken Thompson
 - b) Dennis Ritchie
 - c) NieneStom
 - d) Guido van Rossum
- iii) Single line comment is given by _____ character in Python.
 - a) #
 - b) //
 - c) &
 - d) %
- iv) Which of the following is truncation division operator in python.
 - a) \
 - b) //
 - c) /
 - d) //
- v) _____ is not a core data type in python.
 - a) Tuple
 - b) List
 - c) Class
 - d) Dictionary

B) Match the following :

[5]

- | | |
|------------------------------------|-------------------|
| a) 15.20 | i) () |
| b) Symbol for list data type | ii) complex value |
| c) Symbol for tuple data type | iii) float value |
| d) Symbol for dictionary data type | iv) [] |
| e) 3.14 | v) { } |

P.T.O.

Q2) Write short notes on. (any 2)

[10]

- a) Features of Python
- b) Variables in Python
- c) *If----- else* statement

Q3) Answer the following. (any 4)

[20]

- a) Explain *for* loop in python with syntax and example.
- b) Explain list data type in python with example.
- c) Write a python program for addition of two numbers.
- d) Explain relational and logical operators in python.
- e) Write a python program to display maximum of two numbers.

Q4) Answer the following. (Any 1)

[10]

- a) Explain any five applications of python in detail.
- b) Explain *break* and *continue* statements with syntax and example.

