

Sant Gadge Baba Amravati University, Amravati Summer -2020 Examination

HVP Mandal's College of Engineering and Technology, Amravati

Course: Computer Science and Engineering

BE Four Year Seventh Semester (Computer Science and Engineering) Summer 2020 Exam

7KS04 OBJECT ORIENTED ANALYSIS AND DESIGN

Assignment ONLY FOR BACKLOG STUDENTS

Marks 20

Question No.1 (10 Marks)

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| A. What is object oriented methodology | (2) |
| B. What is N-ary association? Explain with example | (2) |
| C. What is Nested state diagram | (2) |
| D. What is development life cycle? | (2) |
| E. Explain breaking system into subsystem | (1) |
| F. Explain Realizing the use cases | (1) |

Question No.2 (10 Marks)

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| A. 'Country has capital city' is an example of ____ multiplicity | |
| i. One to one ii. One to many iii. many to one iv. many to many | (1) |
| B. Explain aggregation versus association | (2) |
| C. Explain Signal Generalization | (2) |
| D. List all the steps involved in domain class model | (2) |
| E. Explain Making a reuse plan | (1) |
| F. Explain Design Optimization | (2) |

Question No.3 (10 Marks)

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| A. What is generalization? Explain with example | (2) |
| B. What is META data and Reification | (1) |
| C. What is the purpose of sequence diagram and activity diagram | (2) |
| D. Explain domain state model | (2) |
| E. What is meant by Choosing a software control strategy | (2) |
| F. Explain Recursive Downwards | (1) |

Question No.4 (10 Marks)

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| A. Purpose of class model is__ | |
| a. Static structure of system b. Dynamic structure of system c. Interaction between all objects of a system d. All of mentioned | (1) |
| B. Explain Event, state and transition | (2) |

C. What is procedural sequence model	(2)
D. What is problem statement	(1)
E. Explain Handling boundary conditions	(2)
F. Explain realizing the use cases	(2)