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| | e No: 117CF | |
| ₹.4€ | JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD | |
| | B. Tech IV Year I Semester Examinations; November/December - 2016 DESIGN PATTERNS | |
| | (Common to CSE, IT) | **,` |
| | e: 3 Hours Max Marks: 75 | |
| Not | : This question paper contains two parts A and B. | |
| | Part A is compulsory which carries 25 marks. Answer all questions in Part A | |
| | rant B consists of 5 Units. Answer any one full question from each unit Rach | |
| | question carries 10 marks and may have a, b, c as sub questions. | |
| | PART- A | |
| | (25 Marks) | |
| 1.a) | What is Gang of Four GOF? | |
| (b) | How to select addesign pattern? | |
| c) d) | What are the Singleton responsible for creating? | - |
| e) | What is the hearing all the state of the sta | |
| f) | What are the transmission of the transmission | |
| g) | What is the intent of mediator, pattern? | |
| h) | 3. What are the consequences of Chain of Responsibility pattern? | |
| 1) | What is Template method pattern? | |
| j) | What is the purpose of Visitor pattern? [3] | |
| | | |
| | PART-B | ٠: د |
| d. 100 | PARI-B (50 Marks) | |
| 2 -1 | | |
| 2.a) | What are the different ways in which patterns and frameworks share similarities and in which they differ? Discuss. | |
| b) | Describe the seminary Co. 100 to 100 | |
| | OR I I I I I I I I I I I I I I I I I I I | ; ; |
| ,3:a) | Give the step-by-step approach to apply a design pattern effectively. | ii |
| b) | What is the basis for classifying design patterns? Categorize and tabulate the design | |
| | patterns [5+5] | , |
| 4,a) | Discuss about Lexi's user interface and its design problems. | |
| b) | The Singleton uses a special method to instantiate objects. What is special about this | ; ; |
| . 45 | method? [5+5] | (,,,) |
| and the same of th | OR | |
| 5.a) | What are the implementation issues of prototype design pattern? Discuss. | |
| b) | Can we use an abstract factory for supporting multiple window system in Lexi's design? Explain. [5+5] | |
| | [5+5] | } { |
| 15.a) | Discuss in detail about the participants and consequences of Composite pattern | :; |
| b) | What is the intent and motivation of Façade pattern? Explain. [5+5] | |
| ا اگريفاميري د | OR | |
| 7.a) | When can be a Flyweight pattern effectively be applicable? Explain. | |
| | What are the different language features that are exploited by a recommendation of the state of | |
| D) | What are the different language features that are exploited by proxy pattern? [5+5] | |
| • | 33 f 3 4 . 4 | |
| 8.a) | Write about the implementation issues of memento pattern | |
| | Explain the motivation and applicability of observer pattern. [5+5] | |
| 8.a) | explain the motivation and applicability of observer pattern. [5+5] | |
| 8.a) b) | What is Command Pattern? Describe in detail about structure, participants and collaborations of Command Pattern. | |
| 8.a) b) | OR What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern. [5+5] | . com |
| 8.a) b) 9. 10.a) | What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern. Discuss the implementation issues of Strategy behavioral pattern. [5+5] OR [10] | |
| 8.a) b) | What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern. Discuss the implementation issues of Strategy behavioral pattern. [5+5] OR [5+5] Discuss the implementation issues of Strategy behavioral pattern. | Table 1 |
| 8.a) b) 9. 10.a) b) | What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern. Discuss the implementation issues of Strategy behavioral pattern. Explain what to expect from design patterns. [5+5] | The state of the s |
| 8.a) b) 9. | What is Command Pattern? Describe in detail about structure, participants and collaborations of Command pattern. Discuss the implementation issues of Strategy behavioral pattern. Explain what to expect from design patterns. [5+5] | eren. |