

Al-Noor Post Graduate College Head Rajkan

DEPARTMENT OF COMPUTER SCIENCE & IT

The Islamia University of Bahawalpur, Pakistan

Class: MCS (3rd Semester) Mid Term Session: 2019-2021

Subject: OOSE Code: CSIT-20002

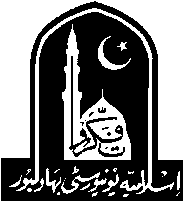
Time: 20 Minutes Total Marks: (0.5 x 10 = 5)

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll. No. \_\_\_\_\_\_\_\_

**(Objective)**

**Q 1: Encircle correct option. (5)**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **1) Object-oriented systems development centers on the ————-** | | | |
| 1. Object | 1. Entities | 1. Functions | ( d ) Programs |
| **2) Each object has attributes and ————-** | | | |
| (a) Functions | (b) Methods | (c) Procedure | (d) All |
| **3) Which of the following describes the state of an object?** | | | |
| (a) Methods | (b)Data | (c) Attributes | (d) None |
| 1. **Which of the following describes the behavior of an object?** | | | |
| (a) Methods | (b) Properties | (c) Attributes | (d) None |
| 1. **—————- is a high-level instruction to perform an operation on an object.** | | | |
| (a) Abstraction | (b) Polymorphism | (c) Classification | (d) Overloading |
| **6)** **Booch methodology covers ———— and ————– phases of the object-oriented system.** | | | |
| (a) Analysis, Design | (b) Design, Coding | (c) analysis, computing | (d) None |
| **7) System design begins with the problem statement and ends with a detailed ———** | | | |
| (a) Coding | (b) Design | (c) Implementation | (d) None |
| **8)** **System analysis translates user’s needs into system —————-** | | | |
| (a) Design | (b) Requirements | (c) Responsibilities | (d) Implementation |
| **9)** **———— the implementation of a high-level operation for a specific class of objects.** | | | |
| (a) Method | (b) Message | (c) Polymorphism | (d) Object |
| **10) UML stands for:** | | | |
| (a) Unified Modeling Language | (b) Uniform Model Language | (c) Both | (d) None |



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Time: 60 Minutes Total Marks: (8 + 7 = 15)

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll. No. \_\_\_\_\_\_\_\_

**(Subjective)**

**Q2:Answer the following short question. (2\*4)**

## 1. What is “**Object Oriented Software Engineering**”?

2. Define the term “**UML**”?

3. What is the “**Domain Model**” in OOSE?

4. Differentiate b/w “**Cohesion and Coupling**”?

**Q 3: Write a note on the following: (3.5\*2)**

1. Object Oriented Principles
2. Activities of the Software Requirements Engineering

**Answers**

**1.a**

**2. d**

**3. d**

**4. a**

**5. b**

**6. a**

**7. b**

**8. b**

**9. a**

**10. a**