Hall Ticket No | | | | | | | | | | |

Question Paper Code: ACS015

INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

B.Tech VI Semester End Examinations (Regular), November – 2020

Regulation: IARE–R16

OBJECT ORIENTED ANALYSIS AND DESIGN

Time: 2 Hours **(CSE)** **Max Marks: 70**

Answer any Four Questions from Part A
Answer any Five Questions from Part B

PART – A

1. Illustrate the steps to model different views of a system. **[5M]**
2. Write about use cases and actors and use cases and flow of events. **[5M]**
3. Elucidate deployment diagram with an example. **[5M]**
4. Explain about patterns for assigning responsibilities. **[5M]**
5. What are the concepts involved in domain refinement? **[5M]**
6. Describe the steps to model single inheritance. **[5M]**
7. Draw the component diagram for railway reservation system. **[5M]**
8. Compare the differences between bridge and adapter. **[5M]**

PART – B

9. Discuss the software development life cycle with a neat diagram **[10M]**
10. What are the principles of modeling? Explain them in detail. **[10M]**
11. Define object? Explain terms, concepts and common modeling techniques of object diagram with suitable example. **[10M]**
12. Discuss about interaction? Draw the interaction diagrams for point of sale terminal. **[10M]**
13. Enumerate the steps in modeling timing constraints. Illustrate with a UML diagram. **[10M]**
14. Discuss in detail about process and threads and explain its common modeling techniques with necessary examples. **[10M]**
15. What is GRASP? Explain the following GRASP patterns: creator and information expert. **[10M]**
16. State the role and patterns while developing system design. **[10M]**
17. Draw a neat sketch of the logical layered architecture of Next Gen application and explain the components in detail. **[10M]**
18. Explain with the example, how interaction diagram are used to model the dynamic aspects of the system. **[10M]**