Student Name: ID: **TOTAL MARKS**

Learning Outcomes	Questions
1. Explain the techniques of Object Oriented Design(C4,PLO1)	
2. **Design solutions for software using object-oriented paradigm and translate it into software application that exploit the strength of object-oriented paradigm(C4,PL03)**	**LO covered in the assignment**
3. **Demonstrate object oriented concepts and their responsibilities in the existing system(A3,PL05)**	**LO covered in the assignment**

REQUIREMENT ANALYSIS	Fail	Marginal Fail	Pass	Credit	Distinction
	0-3	4	5-6	7	8-10
USE CASE DIAGRAM WITH DESCRIPTIONS (10%)	Incorrect overview use case, detail use cases with scenarios (where applicable) and use case descriptions OR incorrect user case notations OR illogical functional design.	Inappropriate overview use case, detail use cases with scenarios (where applicable) and use case descriptions.	The use cases are well presented (generalization) with no major mistake in logic and notation, and described all flows in use case descriptions.	Appropriate labelling and no mistake in logic and notation and clear description for normal flow, subflow and alternative flow in use case descriptions.	Comprehensive provision of the required - overview use case; - detail use case diagrams with scenarios (where applicable: generalization, extends, includes); - use case descriptions for each use case / scenario and no mistake in logic and notation and appropriateness.
CLASS DIAGRAM (10%)	No attributes and no associations are included.	Class diagram with attributes and associations. Both are incomplete and illogical.	Class diagram with attributes and associations. Both are complete with no major errors.	Class diagram with appropriate attributes and associations. With labelling and no mistakes in logic and notation.	Class diagram with appropriate, relevant attributes and associations. With very good and meaningful labelling according to guidelines.
				SUB TOTAL:	

IMPLEMENTATION	Fail	Marginal Fail	Pass	Credit	Distinction
	0-3	4	5-6	7	8-10
USER LEVEL ACCESS (10%)	No program or work not done. Program incomplete with obvious errors. Not able to compile and run the program.	Not able to compile or run but evidence of the coding is available. Able to compile but not able to run the program. Able to compile and run the program but only able to add less than 50% of the details of access rights module listed in the assignment. Not able to demonstrate the use of object-oriented concepts. Data not stored in file.	Able to compile and run the program. Able to add at least 50% of the details of user access module listed in the assignment. Able to demonstrate the use of at least three of the object-oriented concepts – such as creation of classes, objects and methods. Attempted to write to file but with some errors.	Able to compile and run the program. Able to add at least 80% of the details of access rights module listed in the assignment. Able to demonstrate most of the object-oriented concepts. Able to write to file and read from file with some errors.	Able to compile and run the program. Able to add 90-100% of the details of access rights module listed in the assignment. Able to demonstrate all the object-oriented concepts along with additional features. Able to write to file and read from file with no errors.
LECTURER (30%) (OR) STUDENT (30%)	Fail	Marginal Fail	Pass	Credit	Distinction
	0-7	8-9	10-12	13-14	15-20
	No program or work not done. Program incomplete with obvious errors. Not able to compile and run the program.	Not able to compile or run but evidence of the coding is available. Able to compile but not able to run the program. Able to compile and run the program but only able to add less than 50% of the details of module listed in the assignment. Not able to demonstrate the use of object-oriented concepts. Data not stored in file.	Able to compile and run the program. Able to add at least 50% of the details of module listed in the assignment. Able to demonstrate the use of at least three of the object-oriented concepts – such as creation of classes, objects and methods. Attempted to write to file but with some errors.	Able to compile and run the program. Able to add at least 80% of the details of the module listed in the assignment. Able to demonstrate most of the object-oriented concepts. Able to write to file and read from file with some errors.	Able to compile and run the program. Able to add 90-100% of the details of the module listed in the assignment. Able to demonstrate all the object-oriented concepts along with additional features. Able to write to file and read from file with no errors.
				SUB TOTAL:	

REPORT STRUCTURE	Fail 0-3	Marginal Fail 4	Pass 5-6	Credit 7	Distinction 8-10
REPORT FORMAT AND REFERENCES (10%)	The reference list is *all inapplicable* OR *irrelevant*. The format is NOT comply proper referencing system. The citation is NOT included at all. The simple document without formatting, header and footer, page number, etc.	The reference list is identified mostly inapplicable OR irrelevant, The format is partially comply proper referencing system. The citation is partially included. The simple document with little formatting.	The reference list is complete but sort of complete citation. The document is complete.	The above +. The citation is clearly specified. The above + with all the formatting criteria.	The above + with rich source of explorations to form a complete reference. The above + precise, clear, complete, all the diagram, chart, picture, pie, symbol, glossary are completely organized.

	Fail 0-7	Marginal Fail 8-9	Pass 10-12	Credit 13-14	Distinction 15-20
PROGRAM DOCUMENTATION (20%)	Documentation not done. Content of documentation does not adhere to any of the requirements stipulated in the assignment requirements.	At least 1 object-oriented programming concept applied in the solution and briefly described. No implementation code for the object-oriented programming concepts identified. Screen capture of the output of the program does not have any explanation to describe the program.	Description of at least 2 object-oriented programming concepts that are applied in the solution with some evidence of the implementation code is included. Screen capture of the output of the program with minimal explanation to describe the program.	Description of at least 3 object-oriented programming concepts that are applied in the solution are described and evidence of the implementation code being documented. Screen capture of the output of the program with some explanation to describe the program. Description and evidence of at least 1 additional feature which has been incorporated in the solution.	Description of at least 4 object-oriented programming concepts that are applied in the solution and evidence of the implementation code being documented. Screen capture of the output of the program with appropriate explanation to sufficiently describe the program. Description and evidence of at least 2 additional features which have been incorporated in the solution.

	0-7	8-9	10-12	13-14	15-20
INDIVIDUAL PRESENTATION (10%)	Absent OR late OR not prepared for presentation session without valid reasons. Handled questions grossly bad and unable to demonstrate understanding of OO concept.	Reading from presentation material. Presentation material is NOT well prepared. Presentation sequence NOT well organized and not smooth. Handled questions badly and unable to demonstrate understanding of OO concept.	Reading occasionally from presentation material. Presentation material is well prepared. Presentation sequence acceptably organized and smooth. Handled questions well and demonstrated fundamental level of understanding of OO concept.	Good oral presentation. Presentation material is well prepared. Presentation sequence well organized and smooth. Handled questions well and demonstrated good understanding of OO concept.	Give an impactful presentation where the presenter delivers smooth oral presentation aided beautifully by well-prepared presentation material. Presentation sequence excellently planned organized and smooth. Handled questions well and demonstrated good understanding of OO concept.