




SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY(SISTec)
DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA
SCIENCE
ASSIGNMENTS-I

BRANCH	CSE- AI&DS
SESSION	2023-24

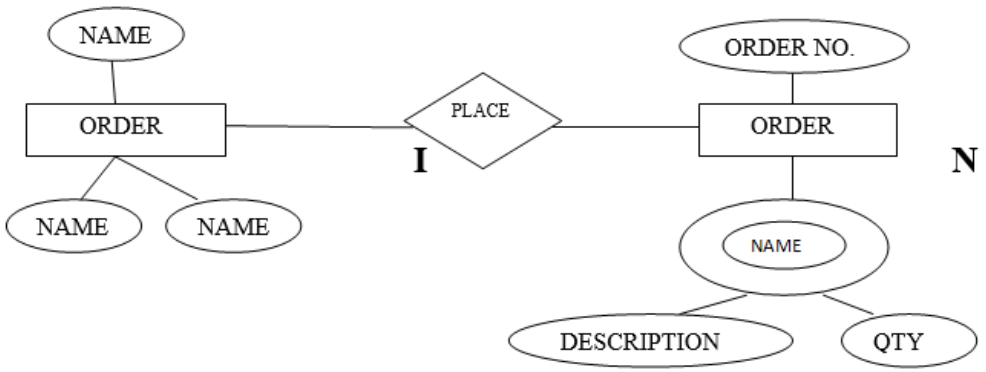
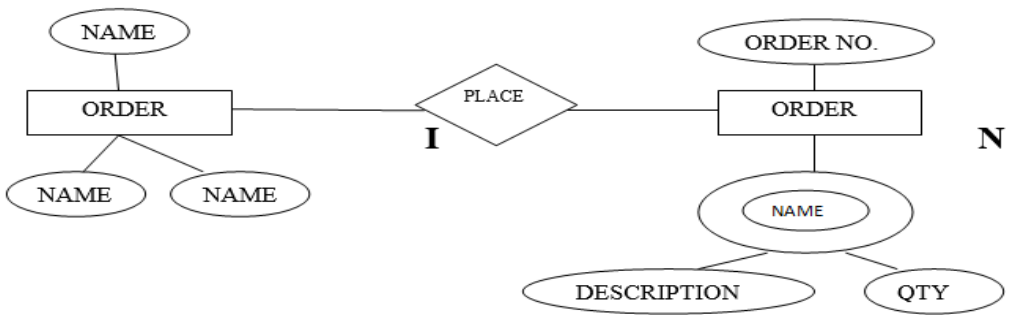
NAME OF THE FACULTY: Amit Swami

SUBJECT/ CODE : DBMS/ AD-402

Sr. No.	Enrollment No.	Set Number
1	0187AD221001,12,22,32,42,52,63	SET-1
2	0187AD221002,13,23,33,43,53,64	SET-2
3	0187AD221003,14,24,34,44,54,65	SET-3
4	0187AD221004,15,25,35,45,55,66	SET-4
5	0187AD221005,16,26,36,46,57,67	SET-5
6	0187AD221006,17,27,37,47,58,68	SET-6
7	0187AD221007,18,28,38,48,59,69	SET-7
8	0187AD221009,19,29,39,49,60	SET-8
9	0187AD221010,20,30,40,50,61	SET-9
10	0187AD221011,21,31,41,51,62	SET-10

		SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY(SISTec) DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE <u>Assignment-I</u>	FORM NO	SISTEC/A/08
BRANCH	CSE AI&DS		REV. NO	00
SEMESTER	IV		REV. DT	
NAME OF THE FACULTY: Amit Swami				
SUBJECT/CODE: Database Management System / AD402				

Set-1		Bloom's Taxonomy Level
1	Q1. Explain about database system architecture in detail.	2(Understand)
2	Q2. Draw an E-R diagram of university by determining entities of interest and the relationships that exist between these entities. Also transform it into a table.	2(Understand)
3	Q3. What are the functions of DBA?	2(Understand)
Set-2		Bloom's Taxonomy Level
1	Q1. Explain about database system architecture in detail.	2(Understand)
2	Q2. Define the concept of aggregation, specialization and generalization. Give several examples of where this concept is useful.	2(Understand)
3	Q3. Draw an ER diagram for a small marketing company database. Assume suitable data.	4(Analyze)
Set-3		Bloom's Taxonomy Level
1	Q1. Explain about database system architecture in detail.	2(Understand)
2	Q2.How the data-based approach is different from file based approach.	2(Understand)
3	Q3. Why the hierarchical data model is considered inflexible?	3(Apply)
Set-4		Bloom's Taxonomy Level
1	Q1.Explain about database system architecture in detail.	2(Understand)
2	Q2. Explain three level schema architecture of DBMS. Explain how does it leads to data independence.	2(Understand)

3	<p>Q3. Reduce the following ER diagram into tables. Also explain composite attribute, Multivalued attribute, derived attribute.</p> 	3(Apply)
Set-5		Bloom's Taxonomy Level
1	Q1. Draw an E-R diagram of university by determining entities of interest and the relationships that exist between these entities. Also transform it into a table.	4(Analyze)
2	Q2. Define the concept of aggregation, specialization and generalization. Give several examples of where this concept is useful.	2(Understand)
3	Q3. Why the hierarchical data model is considered inflexible?	3(Apply)
Set-6		Bloom's Taxonomy Level
1	Q1. Draw an E-R diagram of university by determining entities of interest and the relationships that exist between these entities. Also transform it into a table.	2(Understand)
2	Q2. How the data-based approach is different from file based approach.	2(Understand)
3	<p>Q3. Reduce the following ER diagram into tables. Also explain composite attribute, Multivalued attribute, derived attribute.</p> 	3(Apply)
Set-7		Bloom's Taxonomy Level
1	Q1. Draw an E-R diagram of university by determining entities of interest and the relationships that exist between these entities. Also transform it into a table.	4(Analyze)
2	Q2. Explain three level schema architecture of DBMS. Explain how does it leads to data independence.	2(Understand)
3	Q3. Draw an ER diagram for a small marketing company database. Assume suitable data.	3(Apply)

Set-8		Bloom's Taxonomy Level
1	Q1. Define the concept of aggregation, specialization and generalization. Give several examples of where this concept is useful.	2(Understand)
2	Q2. Construct an E-R diagram for hospital with a set of patients and a set of doctors. Associate with each patient a log of the various tests and examination conducted. Also show tables for various entities with attributes.	2(Understand)
3	Q3. What are the functions of DBA?	2(Understand)
Set-9		Bloom's Taxonomy Level
1	Q1. How the data-based approach is different from file based approach.	2(Understand)
2	Q2. Explain three level schema architecture of DBMS. Explain how does it leads to data independence.	2(Understand)
3	Q3. What are the functions of DBA?	2(Understand)
Set-10		Bloom's Taxonomy Level
1	Q1. Explain three level schema architecture of DBMS. Explain how does it leads to data independence.	2(Understand)
2	Q2. Construct an E-R diagram for hospital with a set of patients and a set of doctors. Associate with each patient a log of the various tests and examination conducted. Also show tables for various entities with attributes.	4(Analyze)
3	Q3. Why the hierarchical data model is considered inflexible?	2(Understand)