

## National Open University of Nigeria Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja Faculty of Computing 2024 1 EXAMINATION

**COURSE CODE: CIT427** 

COURSE TITLE: Database System and Management

**CREDIT: 3 Units** 

TIME ALLOWED: 3 Hours

INSTRUCTION: Answer Question One (1) and any other Three (3) Questions

	c (2) and any other raree (3) Question	S
Q1. (a)	What are physical data models used for?	
(b) using diagr	Tabulate the difference between entity relationship model and object-orieg any of the following features: focus/organization, entities, relationships rams?	3 marks nted model, , level and
(c)	Using a diagram, illustrate a web service invocation?	15 marks
Q2.	9	7 marks
(a)	Write on the following terms in database: (i) instances and (ii) schemas	
(b)	Explain with example diagrams, E-R diagram and Object-Oriented model.	3 marks
		12 marks
Q3. (a)	State 6 responsibilities of a day 1	
(4)	State 6 responsibilities of a database administrator.	
(b)	Explain three basic structures required for physical implementation of a data	
Q4. (a)	Define while the interest	12 marks
(a)	Define relationship in database structure? Give an example binary relationship	nip set?
(b)	Describe the entity set.	6 marks
(c)	Explain entity representation.	3 marks
		6 marks
Q5		
(a)	What is a foreign key?	
(b)	Discuss the INSET INTO, UPDATE and DELETE clauses of SQL?	3 marks
(c)	Explain the implication of the volatility of the primary storage?	9 marks
		3 marks

9 marks

Distinguish between semi-conductor and magnetic storage? (b)

6 marks

