

B.C.A. 1st Semester

Course: 030010110- CC2 Database Management Systems

Assessment Policy

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 40 marks	Remarks
A1	Quiz	01 Hour	1	20	04 X 01 = 04	During the 3 rd week.
A2	Unit Test	1.5 Hours	2	30	06 X 02 = 12	During the 5 th and 11 th week.
A3	Open Book	01 Hour	1	20	04 X 01 = 04	During the 8 th week.
A4	Internal Examination	03 Hours	1	60	15 X 01 = 15	During the 14 th week.
A5	Assignment	-	1	50	05 X 01 = 05	During 13 th week.

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of 75 marks	Remarks
A6	Unit Test	02 Hours	2	20	06 X 02 = 12	During the 5 th and 11 th week.
A7	Section Test	02 Hours	1	30	18 X 01 = 18	During the 14 th week.
A8	Semester End Examination	02 Hours	1	30	30 X 01 = 30	During the 15 th week.
A9	Journal/Viva	-	1	270	15 X 01 = 15	

Assessment Type Classification:

Assessment Code :	A1	Weightage of Content :	Unit	(%)
			2	100%
Assessment Type :	Quiz	Tentative Date :	During the 3 rd week.	
Kind of Question Format:	Q1. Who am I? (05 questions each of 1 mark.) [05 marks] Q2. Fill in the blanks (05 questions each of 1 mark.) [05 marks] Q3. Short answer questions. (Any 05 out of 07 questions to be attended, each of 2 marks) [10 marks]			
To measure :	Knowledge			
Course Outcome :	CO2: Differentiate between database approaches and file system approach. CO3: Describe the concept of database, its architecture, components and users.			
Programme Outcome :	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development. PO7: An ability to communicate effectively with a range of audiences.			

Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1	50%
			2	30%
			5	20%
Assessment Type :	Unit Test – 1	Tentative Date :	During the 5 th week.	
Kind of Question Format:	Q-1 (A) Short answer questions. (4 out of 4) [01 x 04 = 04] (B) Short answer questions. (3 out of 6) [02 x 03 = 06] Q-2 (A) Practical based question. [01 x 05 = 05] OR (A) Practical based question. [01 x 05 = 05] (B) Practical based question. [01 x 05 = 05] OR (B) Practical based question. [01 x 05 = 05] Q-3 Answer the following in detail. (2 out of 3) [02 x 05 = 10]			
To measure :	Comprehension, Application , Analysis and Synthesis			
Course Outcome :	CO1: Describe file organization and record organization. CO2: Differentiate between database approaches and file system approach. CO3: Describe the concept of database, its architecture, components and users. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.			

Programme Outcome :	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>PO3: Understanding of professional and ethical role and responsibility.</p> <p>PO4: Recognition of the need for and ability towards life-long learning</p> <p>PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.</p> <p>PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development.</p> <p>PO7: An ability to communicate effectively with a range of audiences.</p>
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Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1	10%
			2	10%
			3	10%
			4	40%
Assessment Type :	Unit Test – 2	Tentative Date :	During the 11 th week.	
Kind of Question Format:	Q-1 (A) Short answer questions. (4 out of 4)	[01 x 04 = 04]		
	(B) Short answer questions. (3 out of 6)	[02 x 03 = 06]		
	Q-2 (A) Practical based question.	[01 x 05 = 05]		
	OR			
	(A) Practical based question.	[01 x 05 = 05]		
To measure :	(B) Practical based question.	[01 x 05 = 05]		
	OR			
	(B) Practical based question.	[01 x 05 = 05]		
	Q-3 Answer the following in detail. (2 out of 3)	[02 x 05 = 10]		
	Comprehension, Application , Analysis and Synthesis			
Course Outcome :	<p>CO1: Describe file organization and record organization.</p> <p>CO2: Differentiate between database approaches and file system approach.</p> <p>CO3: Describe the concept of database, its architecture, components and users.</p> <p>CO4: Compare the E-R model and relational database models.</p> <p>CO5: Design an entity-relationship model based on user requirements.</p> <p>CO6: Design a database using relational database model.</p> <p>CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.</p>			
Programme Outcome :	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them.</p> <p>PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>PO3: Understanding of professional and ethical role and responsibility.</p> <p>PO4: Recognition of the need for and ability towards life-long learning</p> <p>PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill.</p> <p>PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development</p> <p>PO7: An ability to communicate effectively with a range of audiences.</p>			

Assessment Code :	A3	Weightage of Content :	Unit	(%)
			1	20%
			2	10%
			3	50%
			5	20%
Assessment Type :	Open Book	Tentative Date :	During the 8 th week.	
Kind of Question Format:	Q1. Answer in brief. (8 out of 8) [02 x 08 = 16] Q2. Draw an E-R diagram for given scenario. (1 out of 2) [01 x 04 = 04]			
To measure :	Analysis and Synthesis			
Course Outcome :	CO1: Describe file organization and record organization. CO2: Differentiate between database approaches and file system approach. CO3: Describe the concept of database, its architecture, components and users. CO4: Compare the E-R model and relational database models. CO5: Design an entity-relationship model based on user requirements. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.			
Programme Outcome :	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.			

Assessment Code :	A4	Weightage of Content :	Unit	(%)
			1	18%
			2	18%
			3	14%
			4	14%
			5	18%
			6	18%
Assessment Type :	Internal Examination	Tentative Date :	During the 14 th week.	
Kind of Question Format:	As per external paper format			
To measure :	Comprehension and Analysis			
Course Outcome :	CO1: Describe file organization and record organization. CO2: Differentiate between database approaches and file system approach. CO3: Describe the concept of database, its architecture, components and users. CO4: Compare the E-R model and relational database models. CO5: Design an entity-relationship model based on user requirements. CO6: Design a database using relational database model. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.			
Programme Outcome:	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.			

Assessment Code :	A5	Weightage of Content :	Unit	(%)
			1	18%
			2	18%
			3	14%
			4	14%
			5	18%
			6	18%
Assessment Type :	Self-Creation	Tentative Date :	During 13th week.	
Kind of Question Format:	<ul style="list-style-type: none"> Assignment shall be given at the end of all units. Student shall receive 10% bonus marks of actual scored marks such that the total mark does not exceed the maximum marks if he/she submits assignment 2 days earlier before deadline. Student shall receive 10% penalty of full marks on 2 days late submission, and zero marks if no submission. 			

To measure :	Analysis and Evaluation
Course Outcome :	<p>CO1: Describe file organization and record organization. CO2: Differentiate between database approaches and file system approach. CO3: Describe the concept of database, its architecture, components and users. CO4: Compare the E-R model and relational database models. CO5: Design an entity-relationship model based on user requirements. CO6: Design a database using relational database model. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.</p>
Programme Outcome :	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.</p>

Assessment Code :	A6	Weightage of Content :	Unit	(%)
			3	25%
			5	75%
Assessment Type :	Unit Test-1 (Practical)	Minimum number of practicals to be certified as eligibility to appear: 6	Tentative Date: During 5 th week.	
Kind of Question Format:	<p>Q1. Question related to pre-processing of Q.2. [05] Q2. Creation of table and operations over it based on given questions. [15]</p>			
To measure :	Application			
Course Outcome :	<p>CO4: Compare the E-R model and relational database models. CO5: Design an entity-relationship model based on user requirements. CO6: Design a database using relational database model. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.</p>			
Programme Outcome :	<p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development</p>			

	PO7: An ability to communicate effectively with a range of audiences.
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Assessment Code :	A6	Weightage of Content :	Unit	(%)
			3	25%
			5	75%
Assessment Type :	Unit Test-2 (Practical)	Minimum number of practicals to be certified as eligibility to appear: 12	Tentative Date: During 11 th week.	
Kind of Question Format:	Q1. Question related to pre-processing of Q.2. [05] Q2. Solve queries based on given question. [15]			
To measure :	Application and Analysis			
Course Outcome :	CO4: Compare the E-R model and relational database models. CO5: Design an entity-relationship model based on user requirements. CO6: Design a database using relational database model. CO7: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.			
Programme Outcome :	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.			

Assessment Code :	A7	Weightage of Content :	Unit	(%)
			4	35%
			5	30%
			6	35%
Assessment Type :	Section Examination including viva (Practical)	Minimum number of practicals to be certified as eligibility to appear: 17	Tentative Date: During 13 th week.	

Kind of Question Format:	Q1. Normalization of database design for a given scenario. [10] Q2. Solve the queries for given questions. [15] Q3. Viva [05]
To measure :	Application and Analysis
Course Outcome :	C04: Compare the E-R model and relational database models. C05: Design an entity-relationship model based on user requirements. C06: Design a database using relational database model. C07: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.
Programme Outcome:	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.

Assessment Code :	A8	Weightage of Content :	Unit	(%)
			4	35%
			5	30%
			6	35%
Assessment Type :	Semester End Practical Examination(SEPE)	Minimum number of practicals to be certified as eligibility to appear: 19	Tentative Date: During 14 th week.	
Kind of Question Format:	Q1. Normalization of database design for a given scenario. [10] Q2. Solve the queries for given questions. [15] Q3. Viva [05]			
To measure :	Knowledge, Application and Analysis			
Course Outcome :	C04: Compare the E-R model and relational database models. C05: Design an entity-relationship model based on user requirements. C06: Design a database using relational database model. C07: Use data definition and manipulation statements over one or more tables using SQL to store and retrieve data.			
Programme Outcome :	PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO3: Understanding of professional and ethical role and responsibility. PO4: Recognition of the need for and ability towards life-long learning PO5: Knowledge of programming languages, database systems, operating systems,			

	software engineering, Web & Mobile technology and relevant modern issues along with strong project development skill. PO6: Ability to demonstrate the use of modern tools, models and languages to solve problems related to software development PO7: An ability to communicate effectively with a range of audiences.
Conduction:	The examination shall be conducted by team of evaluators which shall comprise of course teacher too.

UFM:

If two or more submitted papers are too similar for coincidence, a penalty shall be imposed that shall usually be the same for the student who did the original as for the one copying from it.

Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for the work; (ii) report to the programme coordinator; (iii) report to the Director.