

Velegapudi Ramakrishna Siddhartha Engineering College::Vijayawada

(Autonomous)

VR2

III /IV B Tech Degree Examinations(February/2022)

Fifth Semester

Department of Information Technology**20IT5404B-DOT NET TECHNOLOGIES**Time: 3Hrs **MODEL QUESTION PAPER** Max Marks:70

Part – A is Compulsory

Answer one (01) question from each unit of Part – B

Answers to any single question or its part shall be written at one place only

Cognitive Levels(K): K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create

| Q. No | Question | | Marks | Course Outcome | Cog. Level |
|------------|----------|--|-----------|----------------|------------|
| Part - A | | | 10X1=10M | | |
| 1 | a | Define class. | 1 | CO2 | K1 |
| | b | Define polymorphism. | 1 | CO2 | K1 |
| | c | What is an Anonymous method. | 1 | CO2 | K1 |
| | d | Differentiate Delegates and interfaces. | 1 | CO1 | K1 |
| | e | Define type safety. | 1 | CO1 | K1 |
| | f | What is the EF Core convention for Primary Key. | 1 | CO3 | K1 |
| | g | What is the return type for Dbcontext.savechanges() method. | 1 | CO3 | K1 |
| | h | What is the advantage of Annotation attribute in entity class. | 1 | CO3 | K1 |
| | I | Differentiate ASP.Net and ASP.Net core. | 1 | CO4 | K2 |
| | j | What is the acronym for HSTS. | 1 | CO4 | K2 |
| Part - B | | | 4X15 =60M | | |
| UNIT - I | | | | | |
| 2 | a | What are the features of dotnet. | 8 | CO1 | K2 |
| | b | Write a C# program to convert feet to inches using delgates. | 7 | CO1 | K3 |
| (OR) | | | | | |
| 3 | a | What are Indexers? Does the Indexers be overloaded or not ? Justify your statement with example. | 9 | CO2 | K2 |
| | b | Explain constructors, De constructors , static constructor with example. | 6 | CO2 | K2 |
| UNIT - II | | | | | |
| 4 | a | Elaborate the importance of Multicast Delegates and Generic Delegates types with example | 5 | CO1 | K2 |
| | b | Elaborate Lambda expressions with an example. | 10 | CO1 | K2 |
| (OR) | | | | | |
| 5 | a | Elaborate how the Exceptions are handed in C#. Net with suitable example. | 7 | CO2 | K2 |
| | b | Define event. Explain about Event Accessors with the help of an example | 8 | CO1 | K2 |
| UNIT - III | | | | | |
| 6 | a | Design a console app for working with Entity Frame Work core. | 7 | CO3 | K3 |
| | b | List out the various steps in connecting to the database from Entity Framework. | 8 | CO3 | K3 |
| (OR) | | | | | |

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|------------------|---|---|----|-----|----|
| 7 | a | Elaborate Entity Framework core models. | 6 | CO3 | K2 |
| | b | Design an Lambda Expression in Entity Framework core with Filtered Includes method for any example. | 9 | CO3 | K3 |
| UNIT - IV | | | | | |
| 8 | a | Design an empty ASP.NET core project that shows a list of suppliers from the Northwind database | 5 | CO4 | K3 |
| | b | Elaborate Configure Entity Framework core as a service with an example. | 10 | CO4 | K2 |
| (OR) | | | | | |
| 9 | a | List six status codes and their descriptions that can be returned in a HTTP response. | 8 | CO4 | K2 |
| | b | Explain how to inject a dependency service into Razor page. | 7 | CO4 | K2 |

| Designation | Name in Capitals | Signature with Date |
|------------------------|-------------------|---------------------|
| Course Coordinator | T.LAKSHMI SUREKHA | |
| Program Coordinator | Dr G. KALYANI | |
| Head of the Department | Dr M. SUNEETHA | |

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Dt.12-06-2019

GUIDELINES FOR FRAMING MODEL QUESTION PAPER

The model papers for all subjects in a semester are gathered from the departments whenever a course is offered for the first time adopting new regulation. All the Heads of the Departments are requested to direct their faculty to strictly adhere to the following guidelines while framing the model question papers for the subjects of UG and PG courses in the new curriculum.

1. Questions must be covered unit-wise uniformly as per the syllabus without missing the competency.
2. The question paper shall reflect the ***Bloom's Cognitive Levels of Learning***.
Cognitive Levels (K): K1-Remember; K2-Understand; K3-Apply; K4-Analyze; K5-Evaluate; K6-Create
 - ❖ The composition of question paper shall have questions at different complexity levels as listed below:

| | |
|---|--------|
| ▪ Questions that can be attempted by an average student (K1 & K2) | 40% |
| ▪ Questions of intermediate complexity (K3 & K4) | 40-50% |
| ▪ Questions of design and application oriented nature (K5 & K6) | 10-20% |
3. Question paper is to be set conforming to the OBE pattern clearly mentioning the Course Outcomes and Bloom's Cognitive Levels against each question.
4. The questions are to be set with minimum 2 sub-questions (a) & (b) for each main question to the extent possible covering entire syllabus in the unit.
5. Specify the marks against each question / part of a question in Part B.
6. The figures, if any, may be computer aided or neatly drawn with black pen indicating clearly the values/dimensions.
7. Prepare the one mark questions in only sentence form. Answers to these questions must be unique and having short answers limited to three/four lines.

PRINCIPAL