H.T No: | | | | | | | | | | | R18 | Course Code: A30523

CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Supplementary Examinations December-2022

Course Name: WEB TECHNOLOGIES

(Common for CSE & IT)

Date: 05.12.2022 FN **Time: 3 hours** **Max.Marks: 70**

(Note: Assume suitable data if necessary)

PART-A

Answer all TEN questions (Compulsory)

Each question carries TWO marks. **10x2=20M**

1. What is PHP? What are its applications? 2 M
2. Enumerate few Built-in functions in PHP. 2 M
3. What are different types of Lists in HTML? 2 M
4. What is DOM? 2 M
5. What is a Session? 2 M
6. List out different ways to connect to a Database using Servlets. 2 M
7. What are the problems with Servlets? 2 M
8. Write any 3 html tags with example. 2 M
9. What is Scripting? Can Java Script used for Server Programming? 2 M
10. What are the Scoping rules for Java Script? 2 M

PART-B

Answer the following. Each question carries TEN Marks. **5x10=50M**

11.A). How to handle Sessions and Cookies in PHP? 10M

OR

11. B). Explain the predefined and user-defined functions in PHP with example. 10M

12. A). What are HTML Forms? Differentiate between GET and POST methods. Design a HTML form to read the student details. 10M

OR

12. B). Explain in detail about XML tags, attributes and values. 10M

13. A). Illustrate and explain the Life Cycle of a Servlet. 10M

OR

13. B). How to handle HTTP request and response in a Servlet? Explain with example. 10M

14. A). Explain how Sessions are handled in JSP. 10M

OR

14. B). How connections to Database are made using JSP? Explain with example. 10M

15. A). Explain the Process of Form Validation in Java Script with an example. 10M

OR

15. B). How Event Handling takes place in Java Script? Illustrate with an example. 10M

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H.T No: | | | | | | | | | | | **R18** **Course Code: A31202**

CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Supplementary Examinations December-2022

Course Name: DATA MINING

(Information Technology)

Date: 07.12.2022 FN **Time: 3 hours** **Max.Marks: 70**

(Note: Assume suitable data if necessary)

PART-A

Answer all TEN questions (Compulsory)

Each question carries TWO marks. **10x2=20M**

1. List out the Data Mining Functionalities. 2 M
2. What is data cleaning? 2 M
3. Distinguish Association and Correlation. 2 M
4. Quote an example for quantitative association rule. 2 M
5. Summarize associative classification. 2 M
6. Identify the effectiveness of Bayesian classifiers. 2 M
7. Outline the objectives of clustering. 2 M
8. Examine the weaknesses of hierarchical clustering. 2 M
9. Interpret the Mining Time Series Data. 2 M
10. Elaborate the Multimedia Data Mining. 2 M

PART-B

Answer the following. Each question carries TEN Marks. **5x10=50M**

11.A). "Data preprocessing is necessary before data mining process". Justify your answer. 10M

OR

11. B). i) Distinguish between data retrieval and data mining. 4M
ii) Determine the process of Classification of Data Mining Systems. 6M

12. A). Can we design a method that mines the complete set of frequent item sets without candidate generation? Explain with example. 10M

OR

12. B). i) Categorize various kinds of Association Rules with examples. 5M
ii) Summarize in detail about multilevel association rules. 5M

13. A). i) Illustrate KNN Algorithm for data classification with appropriate example. 5M
ii) Distinguish between eager learners and lazy learners. 5M

OR

13. B). Why is naive Bayesian classification called "naive"? Briefly outline the major ideas of naive Bayesian classification. Explain Naive-Bayes classification. 10M

(P.T.O..)

14. A). Discuss the different types of clustering methods. 10M

OR

14. B). i) What are the advantages of PAM algorithm over k-means algorithm? 5M

ii) Discuss about key issues in Hierarchical clustering. 5M

15. A). i) Formulate the Mining Sequence patterns in Transactional Database. 6M

ii) Outline the process of Text Mining. 4M

OR

15. B). i) Summarize the Mining in WWW. 4M

ii) Categorize the process of Spatial Data Mining. 6M

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H.T No: | | | | | | | | | | | R18 Course Code: A30521

CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VI Semester Supplementary Examinations December-2022

Course Name: SCRIPTING LANGUAGES

(Common for CSE & IT)

Date: 09.12.2022 FN Time: 3 hours Max.Marks: 70

(Note: Assume suitable data if necessary)

PART-A

Answer all TEN questions (Compulsory)

Each question carries TWO marks. 10x2=20M

1. Why is Ruby known as a Language of Flexibility? 2 M
2. List some features of Ruby. 2 M
3. What are class libraries used in ruby? 2 M
4. Name the three levels of access of control for ruby methods. 2 M
5. What is PERL? 2 M
6. How many types of primary Data types in PERL give any two syntax? 2 M
7. What is Ruby package manager? 2 M
8. What is eval function in Perl? 2 M
9. Define TCL. How it works. 2 M
10. Differentiate between TCL and TK. 2 M

PART-B

Answer the following. Each question carries TEN Marks. 5x10=50M

11.A). Explain Ruby data type in detail with example. 10M

OR

11. B). Explain the structure of ruby program. Write a ruby program to print "Hello World". 10M

12. A). What is the function of garbage collection in ruby on rail? Explain. 10M

OR

12. B). Give detail description on embedding a ruby interpreter. 10M

13. A). What are the advantages of Scripting Languages. 10M

OR

13. B). Explain Control statements in Perl with Example. 10M

14. A). Explain dirty hand internet exploration. 10M

OR

14. B). Write a program to concatenate the $firststring and $secondstring and result of these strings should be separated by a single space. 10M

15. A). Briefly explain TCL structure in detail. 10M

OR

15. B). Explain string concept in TCL. How to check weather a string is palindrome or not using TCL script. 10M

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H.T No: | | | | | | | | | | | **R18** **Course Code: A30532**

CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC AUTONOMOUS)
B.Tech VI Semester Supplementary Examinations December-2022
Course Name: SOFTWARE PROJECT MANAGEMENT
(Common for CSE & IT)

Date: 12.12.2022 FN **Time: 3 hours** **Max.Marks: 70**

(Note: Assume suitable data if necessary)

PART-A

Answer all TEN questions (Compulsory)

Each question carries TWO marks. **10x2=20M**

1. Summarize any four characteristics of a successful object-oriented project. 2 M
2. List out important trends in improving software economics. 2 M
3. List out the seven top level workflows. 2 M
4. Outline a typical vision document. 2 M
5. Summarize the information structure of a WBS. 2 M
6. List out various stakeholders involved in major milestone. 2 M
7. Outline the basic fields of software change order. 2 M
8. Illustrate a typical project release sequence for a large-scale project. 2 M
9. Define the term MTBF. 2 M
10. Summarize the four graphical objects required for a software project manager role. 2 M

PART-B

Answer the following. Each question carries TEN Marks. **5x10=50M**

11.A). Outline the five improvements to the waterfall model that would eliminate most of the development risks. 10M

OR

11. B). Build and explain the relationship among the five basic parameters that are used in most software cost models. 10M

12. A). Analyze how requirements, design, implementation and deployment artifacts which are part of engineering sets evolve over time. 10M

OR

12. B). What does each of the views (design, process, component, deployment) address in the software architecture? Explain with an example. 10M

13. A). Identify various stages in an Iteration planning process and briefly explain about them. 10M

OR

13. B). Illustrate how periodic status assessments serve as project snapshots. 10M

14. A). Analyze how round trip engineering helps to maintain consistency among the engineering artifacts. 10M

OR

14. B). Classify project organization and map various project level roles and responsibilities. 10M

(P.T.O..)

15. A). Explain the four quality indicators that are required for the measurement of software change order. 10M

OR

15. B). Explain the two primary dimensions of process variability. 10M

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