

**R7248**

**Sub. Code**

**9MS3C1**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022**

**Third Semester**

**Software Development**

**PROGRAMMING IN PHP**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Write any one of the ways to access the Apache executable file.
2. What is the use of having php.ini file?
3. Define variables of PHP.
4. What is an array?
5. What is the difference between GET and POST methods?
6. Write the tag to display a radio button on screen.
7. Write the meaning for the following error codes: 400, 401, 403 and 404.
8. Why do we use the function `move_uploaded_file`?
9. Write the general format of the function `mail ()`.
10. Define content management system.

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Describe the steps to configuring PHP5 to use MySQL.

Or

- (b) List out the various steps for testing the installation of MySQL.

12. (a) Write a PHP program to find out whether the given year is leap year or not.

Or

- (b) How will you pass a variable through URL? Write a simple code.

13. (a) Write a MySQL command to create a table for storing the details of students and write a query to display the students roll number whose age is above 20.

Or

- (b) Write note on referencing two tables in MySQL.

14. (a) List out any ten error types in PHP.

Or

- (b) Write a PHP program to validate whether the user has given the date in the format of dd-mm-yy.

15. (a) Explain how to send multipart messages in PHP.

Or

- (b) Explain cookies with examples.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Write a detailed note on how the pieces of AMP module work together.
17. Write a PHP program to store the names of your friends in an array and demonstrate various array-sorting functions with examples.
18. Write the MySQL commands for following applications:
  - (a) Create a table for storing employee details
  - (b) Insert the records of employees
  - (c) Select the employees' details those who are from Chennai
  - (d) Delete the record of employees who are from Trichy
  - (e) Update the record of an employee – change the name from 'Raj' to 'Raja' whose EmpID is 101
19. Explain the process of converting image file types with a PHP code.
20. Using PHP, HTML and MySQL, create a simple dynamic website for managing employees' details. Employees can do the following activities: Login to the site, Change their address and view their salary details.

**R7249**

**Sub. Code**

**9MS3C2**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022**

**Third Semester**

**Software Development**

**DATA MINING AND DATA WAREHOUSING**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define the term “Data Mining”.
2. What is mean by OLAP Techniques?
3. List out the frequent itemset mining methods.
4. Define Hash-based technique.
5. What is classification?
6. How does Tree Pruning Works?
7. What are the characteristics of web data mining?
8. Define spatial data mining.
9. List out the basic techniques to protect the data from threats.
10. What is the significance of Information privacy in mining?

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Describe in detail on data warehouses with neat architecture.

Or

- (b) Write short notes on data mining process.

12. (a) Discuss in detail, the Apriori Algorithm for frequent itemset mining?

Or

- (b) Write short note on Direct Hashing and pruning.

13. (a) Describe about decision tree rules in brief.

Or

- (b) Write short note on estimating accuracy of classification method.

14. (a) Describe briefly about the various techniques available for web usage mining.

Or

- (b) Write short note on web mining software with example application.

15. (a) Bring out the basic principles to protect the information privacy.

Or

- (b) Write short note on pitfalls of data mining privacy techniques.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. What is Data Warehouse? Explain in detail about Multitiered architecture of data warehouse with neat sketch.
  17. Explain in detail about, mining frequent patterns with out candidate Generation.
  18. Describe in detail on, classification using frequent patterns.
  19. Summarize the various methods involved in web content mining.
  20. Discuss in detail on various information privacy principle available for data mining.
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**R7250**

**Sub. Code**

**9MS3C3**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022.**

**Third Semester**

**Software Development**

**FUNDAMENTALS OF AI AND VIRTUAL REALITY**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define rational agent.
2. What do you mean by greedy local search?
3. What is meant by Skolemization?
4. What is the difference between intrinsic and extrinsic properties?
5. Define bigram.
6. What do you mean by information retrieval?
7. Why should we use stimulators?
8. What was discovered by Heinrich Hertz?
9. Define pitch.
10. What is eye convergence?

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a brief note on Depth-first search.

Or

- (b) Compare the different uninformed search strategies.

12. (a) Explain the resolution strategies.

Or

- (b) Write notes on ontological engineering.

13. (a) Explain IR scoring functions.

Or

- (b) Write short notes on the probabilistic models for information extraction.

14. (a) Explain the benefits of virtual reality.

Or

- (b) Explain the scientific landmarks of virtual reality.

15. (a) Write notes on the monocular depth cues of human vision.

Or

- (b) Explain the concept of Field of View.



**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the various genetic algorithms.
  17. Explain the reasoning with default information.
  18. Discuss robotic perception.
  19. Explain the features of virtual environments.
  20. Elaborate on colour theory.
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**R7251**

**Sub. Code**

**9MS3E3**

**M.Voc. DEGREE EXAMINATION, NOVEMBER – 2022.**

**Third Semester**

**Software Development**

**CLOUD COMPUTING**

**(CBCS – 2019 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are roots of cloud computing?
2. Define Infrastructure management.
3. What is Virtual Machines?
4. What is Data Security?
5. List out the two techniques used in platform and software.
6. What is Map Reduce Implementation?
7. Why Monitoring is important in cloud computing?
8. List out the Issues in HPC.
9. What is a cloud Application?
10. State about Hosting on cloud resource.

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a brief note on Cloud features.

Or

- (b) Describe about broad approaches in cloud computing.

12. (a) Discuss about virtual machine infrastructure.

Or

- (b) Write short notes about scheduling techniques.

13. (a) Write about framework architecture.

Or

- (b) Discuss the workflow Engine in the cloud.

14. (a) Explain SLA Management in cloud Computing.

Or

- (b) Write a brief note on Grid and Cloud Computing with their differences.

15. (a) What is the best practices for AWS cloud design and explain about it in brief.

Or

- (b) Describe on Hosting on Cloud Recourses.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss about Seven step model in cloud computing in detail.
  17. Write a detail note on data security in cloud storage.
  18. Explain:
    - (a) Case Studies
    - (b) Dynamic ICT Services.
  19. Write a brief note on Traditional approaches to SLO.
  20. Elaborate about building context delivery network using cloud.
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