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 $(10 \times 2 = 20)$

- 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 $(5 \times 5 = 25)$

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

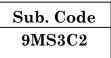
(b) Explain cookies with examples.

 $\mathbf{2}$

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.

3



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 $(10 \times 2 = 20)$

- 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 $(5 \times 5 = 25)$

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

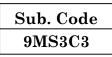
(b) Write short note on pitfalls of data mining privacy techniques.

 $\mathbf{2}$

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.

3



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 $(10 \times 2 = 20)$

- 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.

 $\mathbf{2}$

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.

3

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 $(10 \times 2 = 20)$

- 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.

 \mathbf{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.

 $\mathbf{2}$

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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