

MODEL PAPER



S.K.R. & S.K.R. Govt. College for Women (Autonomous), Kadapa.

Reaccredited with 'B' Grade by NAAC

Y.S.R.Kadapa District – 516001, Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE

Data Base Mangement System

III BSC(V SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Explain about DBMS.
2. Evolution of DBMS?
3. Relational SET Operators?
4. Explain about View.
5. What is Relationship? Explain about types of Relationship?.
6. What is Key? Explain about Different keys?
7. Explain about limitations of relational algebra?
8. Explain about Sub Query.
9. Explain about PL/SQL Structure.
10. Explain about data types in PLSQL?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Write down the Advantages of DBMS?

OR

12. Explain about data models?

UNIT – II

13. Explain about Joins?

OR

14. Explain about DDL , DML, DCL Commands?

UNIT –III

15. Explain about E-R Diagram?

OR

16. Explain about EER Diagrams?

UNIT – IV

17. Explain various Codd's Rules?

OR

18. Explain Relational Integrity?

UNIT – V

19. Explain about CURSORS?

OR

20. Explain about Triggers?

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Y.S.R.Kadapa District – 516001, Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE

Software Engineering

IIIBSC(V SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Write a brief note on project metrics?
2. Explain about risk analysis?
3. Write a brief note on feasibility study?
4. How do you measure quality? Explain..
5. Explain about Modularity?
6. Explain procedural design in software design?
7. Write about human computer interaction?
8. Explain about interface standards?
9. Explain about white box testing?
10. Explain about acceptance testing?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Discuss about any two software engineering paradigm?

OR

12. Write a detailed note on empirical estimation model?

UNIT – II

13. Write a detailed note on software requirement analysis?

OR

14. Explain different requirement analysis models?

UNIT –III

15. Explain in detailed note on data flow oriented design?

OR

16. Explain in detail about Cohesion and Coupling?

UNIT – IV

17. Write a detailed note on user interface design?

OR

18. Explain interface design evaluation cycle?

UNIT – V

19. Explain about software quality assurance?

OR

20. Write a detailed note on Validation and System testing?

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Y.S.R.Kadapa District – 516001, Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE

Database Management System

IIIIBCOM(VSEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. What is DBMS?
2. Explain about data models?
3. Explain SQL data types?
4. Explain about queries?
5. What is relationship? Explain about relationship types?
6. Write about triggers?
7. Write about exception handling errors?
8. What is integrity constraints?
9. Explain about views?
10. Explain about sequences?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Evaluation of DBMS?

OR

12. Explain Classification of Database Management System.. ?

UNIT – II

13. File System Disadvantages?.

OR

14. DBMS Advantages?

UNIT - III

15. Explain E-R Model?

OR

16. Explain Codd's Rules?

UNIT - IV

17. Explain about SQL Functions?

OR

18. Explain about Joins?

UNIT - V

19. Explain about structure of PL/SQL?

OR

20. Explain about Cursors?

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DEPARTMENT OF COMPUTER SCIENCE

Web Technology

IIIIBCOM(VSEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Explain basic features of HTML program with example?
2. Write any five formatting tags with examples
3. What is a style sheet? What are its uses?
4. Write the syntax for formatting instruction. Give example
5. What is a variable? Write the rules to name a variable?
6. What is data validation? What are its uses?
7. Define data for web applications
8. Write a brief note on document type definition
9. Explain about XML?
10. Explain about DTD?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

- 11.Explain different kinds of hyperlinks with examples

OR

- 12.What are the different form fields we may design with input element? Explain.

UNIT-II

- 13.Explain the purpose of creating different types of style sheets with examples

OR

- 14.Explain the purpose of layers with examples

UNIT-III

15.Explain in java script with examples

(A) String manipulation functions

(B) Mathematical functions

OR

16.Explain exceptional handling in java script with examples

UNIT-IV

17.Discuss about rollover buttons with examples

OR

18.Write a brief note on moving images

UNIT-V

19.Discuss about Document Object Model

OR

20. Write a brief note on web services



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DEPARTMENT OF COMPUTER SCIENCE

Data Base Mangement System

III BA(V SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Explain the main objectives of DBMS?
2. What is ER diagram ? What are the symbols used in ER diagram?
3. Explain about generalization and specialization?
4. Explain the concept of QBE ?
5. Write the features of Relational data model?
6. Write the advantages and disadvantages of Relational algebra?
7. Explain Relational Set Operators SQL?
8. Write the differences between SQL and PL/SQL?
9. Write about sequences?
1. Explain about views?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

11. Write the difference between file based and database system?

OR

12. Explain different types of data models?

UNIT-II

13. What is attribute? Explain different types of attributes?

OR

1. Explain different connection traps?

UNIT-III

15. Explain about codd's rules?

OR

2. What is attribute? Explain different types of attributes?

UNIT-IV

17. Explain different types of data types?

OR

18. Explain the concepts DDL,DML Commands in SQL?

UNIT-V

19. Explain the structure of PL/SQL program?

OR

20. Explain different control structures in PL/SQL?

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DEPARTMENT OF COMPUTER SCIENCE

E-Commerce

III BA(V SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

- 1.Explain the main objectives of DBMS?
- 2.What is ER diagram ? What are the symbols used in ER diagram?
- 3.Explain about generalization and specialization?
- 4.Explain the concept of QBE ?
- 5.Write the features of Relational data model?
- 6.Write the advantages and disadvantages of Relational algebra?
- 7.Explain Relational Set Operators SQL?
- 8.Write the differences between SQL and PL/SQL?
- 9.Write about sequences?
10. Explain about views?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

11. Write the difference between file based and database system?

OR

13. Explain different types of data models?

UNIT-II

13. What is attribute? Explain different types of attributes?

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UNIT-IV

17. Explain different types of data types?

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18. Explain the concepts DDL,DML Commands in SQL?

UNIT-V

19. Explain the structure of PL/SQL program?

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DEPARTMENT OF COMPUTER SCIENCE

Web Technologies

III BSC(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. What is the use of HTML?
2. What is a Frame?
3. What is CSS?
4. What is a Layer.
5. What is DHTML?
6. What is JavaScript?
7. Why data validation is required?
8. What is a Status bar?
9. Explain about XML?
10. Explain DOM?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Explain HTML structure with example.

OR

12. Write a HTML code implementing frames concept?

UNIT – II

13. Explain the creation of your own style in CSS?

OR

14. How do you format blocks of information?

UNIT – III

15. Write a JavaScript implementing mathematical functions?

OR

16. Explain exception handling in JavaScript?

UNIT – IV

17. Write a DHTML code implementing messages and confirmations?

OR

18. Explain rollover buttons with examples ?

UNIT – V

19. Explain XML advantages?

OR

20. Write about various web services?

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DEPARTMENT OF COMPUTER SCIENCE

Foundations of Data Science

III BSC(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. What is the significance of data science ?
2. How do you manage data?
3. What is a modeling method?
4. Write the uses of R?
5. Explain about arrays in R?
6. Explain about factors in R?
7. Write a simple program using R language?
8. What is map reduce?
9. How to produce effective presentation?
10. What is plot() function?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Explain roles, stages in data science project?

OR

12. Write about cleaning and sampling for modeling and validation?

UNIT – II

13. How to map problems to machine learning?

OR

14. Explain validating models and their uses.

UNIT –III

15. Write about ordered and unordered factors?

OR

16. Explain lists and data frames?

UNIT – IV

17. Explain distributed file system?

OR

18. Write about Map reduce architecture?

UNIT – V

19. Explain the importance of documentation and deployment?

OR

20 .How do you display multivariate data?

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DEPARTMENT OF COMPUTER SCIENCE

Big Data Technologies

III BSC(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

- 1.What is Big data ?Explain characteristics of big data?
- 2.Explain about four V's in big data?
- 3.Explain Hadoop?write about characteristics of hadoop?
- 4.Explain the understanding Inputs and out puts of Map reduce?
5. Explain about moving in and out of hadoop?
- 6.Define Name node,Secondary name node,data node?
- 7.Explain about hadoop storage?
- 8.define job tracker and task trackes?
- 9.Explain the sorting and aggregating?
10. Explain about hive architecture and installation?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

- 9.Expalin in detail about distributed file system?

OR

10. explain about Big data analytics?

UNIT – II

11. Discuss about hadoop ecosystem.

OR

- 12.Explain the data serialization?

UNIT - III

13.Explain about hadoop shell Commands?

OR

14. Expalin the hadoop map reduce paradigm???

UNIT - IV

15.Explain about SSH & Hadoop Configuration?

OR

16.explain about HiveQL?

UNIT - V

17.Explain about Hive Architecture ?

OR

18.Expalin about Querying Data?

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DEPARTMENT OF COMPUTER SCIENCE

Computing For Data Analytics

III BSC(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

- 1.What is Big data ?
- 2.What are distribution?
- 3.What data classification is required?
- 4.What is the use of hypothesis testing?
- 5.Why do we go for predictive analytics?
- 6.What is time series forecasting?
- 7.What do you use regression analysis?
- 8.What is one way classification?
9. What is ANOVA?
10. Explain about factorial design?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

- 11.Explain the main phases of data analytics life cycle

OR

12. What is the role of data scientists in the practice of data analytics?

UNIT – II

13. Write about Arithmetic mean and Geometric mean?

OR

- 14.Explain the importance of tabulation with examples?

UNIT - III

15.Explain joint probability function?

OR

16. Write about multivariate normal distribution?

UNIT - IV

17.Explain multicollinearity and its use.

OR

18.Write about rank correlation coefficient?

UNIT – V

19.Explain any two forecasting models for time series?

OR

20.Write about ANOVA and its application?



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DEPARTMENT OF COMPUTER SCIENCE

E-Commerce

III BCOM (VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

1. Write the difference between traditional EDI and internet based EDI?
2. What are the goals and activities of commerce net?
3. Write a short note on SSL??
4. Write a short note on firewall?
5. What is e-payment system? What is the need of e-payment systems?
6. Write a short note on security teams?
7. Write a short note. On On- line catalogue?
8. Write a short note on IRC?
9. Explain about Internet security.
10. Explain about internet architecture.

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

11. Write the difference between traditional commerce and E-commerce?

OR

12. Explain the various applications of Ecommerce?

UNIT-II

13. Explain different secure transport protocols?

OR

14. Explain the concept of SET?

UNIT-III

15.What is e-payment system? explain different e-payment methods?

OR

16.What is security threat? Edplain different types of threats?

UNIT-IV

17.Explain the features of business requirements?

OR

18.Explain about MOSS?

UNIT-V

19. What is WWW? explain the history of WWW?

OR

20. Explain different internet application for commerce?



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DEPARTMENT OF COMPUTER SCIENCE

PHP and My SQL

III BCOM (VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

1. Define variable ? explain about declaring variables in PHP?
2. How to change the type of a variable ?
3. Define constructors ? explain with a suitable example program ?
4. Write about array related functions in PHP ?
5. Write about how to use hidden fields to save state in PHP?
6. Write about redirecting the user in PHP ?
7. Explain about how to include files with include() function in PHP ?
8. Explain about string functions in PHP?
9. Differentiate between MYSQL versus MYSQLi functions ?
10. Explain about connecting MY SQL with PHP?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

11. Define Globals and Super Globals ? Explain?

OR

12. Define control structures? Explain different control structures in PHP with syntax?

UNIT-II

13. Define arrays? Explain about different types of arrays in PHP?

OR

14. Write about using Date and Time functions in PHP ?

UNIT-III

15. Write about working with file uploads in PHP?

OR

16. Explain about creating a simple input form in PHP?

UNIT-IV

17. Explain about how to include files with include () function in PHP?

OR

18. Write about drawing a new image in PHP?

UNIT-V

19. What is the primary function used to make the connection between PHP and MYSQL and what Information is necessary?

OR

20. Write the procedure for executing queries?

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DEPARTMENT OF COMPUTER SCIENCE

Web Technology

III BA(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

- 1.Explain basic features of HTML program with example?
- 2.Write any five formatting tags with examples
- 3.What is a style sheet? What are its uses?
- 4.Write the syntax for formatting instruction. Give example
- 5.What is a variable? Write the rules to name a variable?
- 6.What is data validation? What are its uses?
- 7.Define data for web applications
- 8.Write a brief note on document type definition
- 9.Explain about XML?
- 10.Explain about DTD?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

- 11.Explain different kinds of hyperlinks with examples

OR

- 12.What are the different form fields we may design with input element? Explain.

UNIT-II

- 13.Explain the purpose of creating different types of style sheets with examples

OR

- 14.Explain the purpose of layers with examples

UNIT-III

15.Explain in java script with examples

(C) String manipulation functions

(D) Mathematical functions

OR

16.Explain exceptional handling in java script with examples

UNIT-IV

17.Discuss about rollover buttons with examples

OR

18.Write a brief note on moving images

UNIT-V

19.Discuss about Document Object Model

OR

20.Write a brief note on web services

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DEPARTMENT OF COMPUTER SCIENCE

Multi Media Systems

III BA(VI SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of ten questions. Each question carries four marks. (5x4 = 20 Marks)

1. What is a multimedia?
- 2.Explain about fonts?
- 3.Explain about MIDI?
- 4.What is the use of video?
- 5.Explain about hardware and software?
- 6 .Explain about designing?
7. What is scheduling?
8. Explain the internet history?
9. Write about Internetworking?
- 10.Discuss Bid Proposals

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Explain about hypermedia and hypertext?

OR

12. Write about multimedia applications?

UNIT – II

13. Explain about image file formats?

OR

14. Explain about audio file formats?

UNIT - III

15. Explain about stages of multimedia project?

OR

16. Explain how video works?

UNIT - IV

17. Explain the process of making multimedia?

OR

18. Explain about designing and producing in multimedia?

UNIT - V

19. Explain www?

OR

20. Explain animation for the web?

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DEPARTMENT OF COMPUTER SCIENCE

**Desktop Publishing Technologies
III BA(VI SEM)**

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. What is a DTP?
2. Explain about Test editor?
3. Explain about Software and Hardware Requirements?
4. Explain about Bit Map Image Editing?
5. What is hyphenations?
6. Explain RGB colors?
7. Write about alignments?
8. Write the parts of page shop window?
9. How to start page maker?
10. How to import text and pictures?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Explain about input and output devices?

OR

12. Explain about vector graphics and raster graphics

UNIT – II

13. Explain about indentation?

OR

14. Explain header and footer?

UNIT - III

15. Explain about layers in Photoshop?

OR

16. Explain about colour modes?

UNIT – IV

17. How to create a new publication in page maker?

OR

18. Explain about text blocks?

UNIT - V

19. Explain about character level formatting?

OR

20. Explain about styles?

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DEPARTMENT OF COMPUTER SCIENCE

**Cloud Computing
III BA(VI SEM)**

TIME: 3 HRS

MAX MARKS: 60 M

SECTION – A

Answer any Five out of Ten questions. Each question carries Four marks. (5x4 = 20 Marks)

1. What is a cloud computing?
2. Write about Data Base Services?
3. Explain about Cloud Models?
4. Explain about cloud services?
5. Explain database services?
6. Explain Analytic services?
7. Write cloud applications?
8. How to install Python?
9. What is file handling?
10. Explain python for Google cloud platform?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

11. Explain about map reduce?

OR

12. Explain about networking functions and virtualization?

UNIT – II

13. Explain deployment and management services?

OR

14. Explain about Hadoop schedulers?

UNIT - III

15. Explain data storage approaches?

OR

16. Explain the design considerations for cloud applications ?

UNIT - IV

17. Explain about Date and time operations?

OR

18. Explain about functions in python?

UNIT - V

19. Explain about python for Amazon web services?

OR

20. Explain about social media analytics app?