

(Pages : 4)

K – 3728

Reg. No. : 986

Name : SAMUEL S

Fifth Semester B.C.A. Degree Examination, February 2021

Career Related First Degree Programme under CBCSS

Group 2(b)– Computer Applications

Core Course

CP 1544 – SOFTWARE TESTING

(2018 Admission – Regular)

Time : 3 Hours

Max. Marks : 80

SECTION – A

(Very short Answer type)

1. What is meant by domain testing?
2. What is Load Testing ?
3. What is Performance Testing?
4. What is Regression Testing?
5. What is verification in software testing?
6. What is SDLC?
7. What is test summary?

P.T.O.

8. What is Software testing?
9. What is graph based testing?
10. What is negative testing in software testing?

(10 × 1 = 10 Marks)

SECTION – B

(Short Answer)

Not to exceed **one** paragraph. Answer **any eight** questions.

11. What is meant by functional testing?
12. What is the static testing?
13. What is beta testing?
14. What is bottom-up testing?
15. What is CAST?
16. What is acceptance testing?
17. What is integration testing?
18. What is efficiency testing?
19. What is code coverage testing in software testing?
20. How is performance testing done?
21. What is software maintainability?
22. What are the benefits of test reports?

23. What is test planning in software testing?
24. Explain Stress Testing.
25. What is audit trail?
26. What is CASE?

(8 × 2 = 16 Marks)

SECTION – C

(Short Essay)

Not to exceed 120 words. Answer any **six** questions.

27. For what purpose is data flow analysis used?
- ✓ 28. What is non functional testing? ✓
- ✓ 29. Explain benefits of stress testing? ✓
- ✓ 30. What is the difference between black box and white box testing? ✓
- ✓ 31. What are the types of structural testing? ✓
32. What are the testing tools?
33. What are the most important components in test plan?
34. How is stress testing performed?
- ✓ 35. What are the types of white box testing? *Unit, integration, Regression*
- ✓ 36. Distinguish between Testing and Debugging.
- ✓ 37. What is the main objective of path testing?
- ✓ 38. What is waterfall model?

(6 × 4 = 24 Marks)

SECTION – D

(Long Essay)

Answer any **two** questions.

39. Explain advantages and limitations of Testing Tools. Explain.

40. What are the types of automation testing? Explain.

9 type unit

41. How do you perform black box testing? Explain.

42. (a) What are the advantages of software testing?

(b) Explain the limitations of software testing?

43. What are the advantages of using testing tools?

44. What are the different test levels? Explain.

- ✓ Smoke
- ✓ Integration
- ✓ Regression
- ✓ API Testing
- ✓ Security
- ✓ Performance
- ✓ Acceptance
- ✓ UAT

(2 × 15 = 30 Marks)

Reg. No. :926.....

Name :SAMINDRA.S.....

Fifth Semester B.C.A. Degree Examination, February 2021.

Career Related First Degree Programme under CBCSS

Group 2 (b) : COMPUTER APPLICATIONS

Core Course

CP 1542 – INFORMATION SYSTEMS AND KNOWLEDGE MANAGEMENT

(2018 Admission Regular)

Time : 3 Hours

Max. Marks : 80

SECTION – A
(Very short answer type)

(One word to maximum of two sentence, Answer **all** questions)

1. Define Data.
2. State a different between Data and Information.
3. Define Artificial intelligence.
4. List the characteristics of knowledge.
5. What is Business Intelligence?
6. Define Knowledge Network.
7. Give the purpose of Knowledge Management System.

8. Define SWOT analysis.
9. What should be the objective of a training programme?
10. Give the importance of Knowledge Transfer Partnership.

(10 × 1 = 10 Marks)

SECTION – B
(Short Answer)

(Not to exceed one paragraph, answer any **eight** questions. Each question carries 2 marks)

11. Give a short description of Information System.
12. Write short note on Total Quality Management.
13. Define Expert system.
14. What is organizational learning? Why is organization learning important?
15. Write short note on Work Place Knowledge.
16. Explain Data Modelling with an example
17. Compare Information and knowledge.
18. Explain Knowledge Management Cycle with a diagram
19. Write short note on Knowledge Management System.
20. Give brief note on the prominent ways and mechanisms of knowledge transfer.
21. List the driving force behind Knowledge Management.
22. Write short note on Knowledge Management System Lifecycle.
23. What is Knowledge transfer?

24. Write short note on Knowledge Sharing.
25. Explain Knowledge Asset.
26. Explain distinguishing features of Knowledge Management system.

(8 × 2 = 16 Marks)

SECTION – C
(Short Answer)

(Not to exceed **120** words, answer any **six** questions. Each question carries **4** marks)

27. List down the Pros and Cons of Total Quality Management.
28. Briefly explain the various branched of AI.
29. Write few lines on barriers related to people.
30. Write short on Neural Network.
31. Draw Knowledge Management Activities tree.
32. Shortly describe Knowledge Acquisition Techniques.
33. Draw the Knowledge Acquisition Techniques Tree.
34. List the guideline questions to assess the impact of Knowledge Management System.
35. Give brief note on the factors that an Organization Learning depends on.
36. Explain the roles played by HR in developing Knowledge Management system.
37. Explain the four stage cycle of Individual Learning.
38. Integrated KMS with extensive use of ICT provides a knowledge lever to managers to make better decision. Justify.

(6 × 4 = 24 Marks)

SECTION – D
(Long Essay)

(Answer any **two** questions. Each question carries **15** marks)

39. Explain how Information System evolved through years.
40. Briefly discuss the modelling and analysis techniques of Business Intelligence.
41. Describe Knowledge Management System Lifecycle.
42. Explain OODA Loop Model and Oinas-Kukkonen Model.
43. Discuss Knowledge Acquisition Techniques.
44. Discuss the five core disciplines of Learning Organization.

(2 × 15 = 30 Marks)

Reg. No. :*226*.....

Name :*Garnudra*.....

Fifth Semester B.C.A. Degree Examination, February 2021

Career Related First Degree Programme under CBCSS

Group 2(b) – COMPUTER APPLICATIONS

Core Course

CP 1543 : VISUAL PROGRAMMING

(2018 Admission Regular)

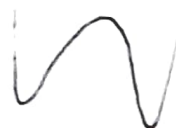
Time : 3 Hours

Max. Marks : 80

SECTION – A (Very Short Answer Type)

(One word to maximum of one sentence, Answer all questions)

1. What is ASP.NET?
2. Write the use of calendar controls.
3. List any two applications of database.
4. What is grid view data?
5. Define the term digital source certificate.
6. What is hyperlink?
7. What is authentication?
8. What is the use of text box?



9. What are stored procedures?
10. Define database.

(10 × 1 = 10 Marks)

SECTION – B (Short Answer)

(Not to exceed **1** paragraph, answer **any eight** questions. Each question carries **2** marks)

11. Write a note on web programming.
12. What is the use of labels?
13. Explain about file uploads.
14. Write the use of list control.
15. Write a note on basic validation controls.
16. Write the characteristics of ADO.NET4.
17. What is data source? Explain.
18. Write a note on data validation.
19. Discuss data binding in detail.
20. How will you customize the grid view control?
21. Write the significance of SSL.
22. Write the features of form view control.
23. What is authorization? Explain in detail.
24. Write the need of login controls.
25. Write the visual studio features for working with CSS.
26. Write a note on database programming.

(8 × 2 = 16 Marks)

SECTION – C (Short Essay)

(not to exceed **120** words, answer **any six** questions. Each question carries **4** marks)

27. What is SQL? How to use SQL in database for data manipulation.
28. Discuss in detail about the button controls.
29. Discuss ASP. NET application development.
30. Discuss the scope of custom statements.
31. Differentiate check box and radio button.
32. Explain the features of data list controls.
33. Write short notes on cookies.
34. Write an introduction to server controls.
35. Give a quick preview of how an ASP. NET application works.
36. Discuss any three SQL commands.
37. How to deploy an ASP. NET application.
38. Write the concepts of visual programming.

(6 × 4 = 24 Marks)

SECTION – D (Long Essay)

(Answer **any two** questions. Each question carries **15** marks)

39. Discuss various web server controls in detail.
40. How will you configure ASP.NET application? Explain in detail.
41. Write a note on different validation techniques.

42. How will you achieve authentication and authorization in secured connection?
43. How to manage and use different states?
44. Write a note on DataListView controls.

(2 × 15 = 30 Marks)
