

CP-9511

Sub. Code

96451

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

Fifth Semester

Computer Science

WEB TECHNOLOGY

(2016 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Discuss about comments in HTML.
2. List out some important HTML elements.
3. What is a JavaScript statement? Give an example.
4. List out the class of selectors.
5. List comparison operators and string operators in java.
6. Mention the various java script object models.
7. Define function in java script.
8. List the various dialog boxes in java script.
9. Mention the disadvantages of VB Script.
10. Define the rules for declaring the variable in VB Script.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Briefly discuss about the list tag and give example.

Or

- (b) Explain about the html form tag with its attributes.

12. (a) Describe the java scripts Control structure with suitable example.

Or

- (b) Write a JavaScript to display a welcome button of an html form is pressed.

13. (a) Describe the elements of WWW.

Or

- (b) Explain JavaScript events with its types.

14. (a) Briefly discuss about Boolean objects in JavaScript with syntax.

Or

- (b) Define math object and clearly explain its properties and methods.

15. (a) Explain about the string functions.

Or

- (b) Describe the date and time function in VB Script.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an HTML document to provide a form that collect name and telephone numbers.

Or

- (b) Explain the various event handlers in java script with an example.
17. (a) Describe about JavaScript functions with syntax.

Or

- (b) Using a JavaScript create a web page using two image files , which switch between one another as the mouse pointer moves over the images.
18. (a) Briefly discuss about data types and control structure of VB Script.

Or

- (b) Give the detailed overview of VB Script.
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CP-9512

Sub. Code

96452

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018.

Fifth Semester

Computer Science

OPERATING SYSTEM

(2016 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is the Kernel?
2. What are the different types of Multiprocessing?
3. Define process.
4. Give the condition necessary for a deadlock situation to arise.
5. Define parallel processing.
6. What are sequential and direct access devices?
7. What are the various File Operations?
8. What is a Path Name?
9. What is meant by Device drivers?
10. What are the components of Unix operating system?

Part B**(5 × 5 = 25)**Answer **all** questions.

11. (a) Define operating system and list out the functions and component of operating system.

Or

- (b) Differentiate external fragmentation with internal fragmentation.

12. (a) Explain the two solutions of recovery from deadlock.

Or

- (b) Write about critical regions and monitors.

13. (a) Define configuration and explain its types.

Or

- (b) Describe about components of I/O subsystem.

14. (a) Briefly write about file attributes, operations, types and structure.

Or

- (b) Comparison of network and distributed operating system.

15. (a) Give the brief history of UNIX operating system.

Or

- (b) Explain the design goals in UNIX operating system.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss about the structure of direct memory access in detail.

Or

- (b) Describe the evolution of Virtual machines. Also explain how virtualization could be implemented in operating systems.

17. (a) Briefly discuss and compare, fixed and dynamic memory partitioning schemes.

Or

- (b) Explain page replacement algorithms.

18. (a) Given in detail about free space management with neat diagram.

Or

- (b) Explain in detail the design principles, kernel modules, process management, scheduling in UNIX system.

CP-9513

Sub. Code

96453

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

Fifth Semester

Computer Science

SOFTWARE ENGINEERING

(2016 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** the questions.

1. Define the term Software Engineering.
2. List out the characteristics of a software process.
3. Define software prototyping.
4. What are the characteristics of SRS?
5. What are the various models produced by software design process?
6. Define software configuration management.
7. What are the main objectives of testing?
8. Distinguish between alpha and beta testing.
9. Define process with respect to software quality.
10. Mention some software quality assurance standards.

Part B

(5 × 5 = 25)

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

11. (a) Discuss in detail about the design process in software development process.

Or

- (b) Write short notes on user interface design process.

12. (a) Describe how software requirements are documented? State the importance of documentation.

Or

- (b) Explain about software cost estimation techniques.

13. (a) What is decision table? Explain with example.

Or

- (b) Write short notes on software documentation in software process.

14. (a) What are the various levels of testing?

Or

- (b) Discuss in detail about software configuration management.

15. (a) What is meant by SQA? Discuss in detail about SQA activities.

Or

- (b) Differentiate quality assurance with quality control.

Part C

(3 × 10 = 30)

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

16. (a) Explain in detail about any three software development process models with diagram.

Or

- (b) What is software requirement specification? Explain in detail.

17. (a) Discuss briefly on software maintenance activities and how do you estimate the cost involved.

Or

- (b) What are the characteristics of a good design? Describe different types of coupling and cohesion.

18. (a) Explain in detail about functional testing and structural testing.

Or

- (b) Discuss the importance of software quality assurance and explain in detail about various software quality assurance methods.

CP-9514

Sub. Code

96454.1

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

Fifth Semester

Computer Science

MULTIMEDIA AND ITS APPLICATIONS

(2016 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Transmission mode in multimedia.
2. What are the characteristics of traditional data streams?
3. What are the features of MIDI concepts?
4. Write short notes on digital image representation.
5. Define High definition system.
6. List out methods of controlling animation.
7. Define Data compression.
8. What are the basic compression techniques in data compression?
9. List out some multimedia applications.
10. Define Text and graphics editors.

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is multimedia? Explain different types of transmission mode.

Or

- (b) Explain in detailed about characteristics of data streams.

12. (a) Explain the basic concepts of digital image representation.

Or

- (b) Explain the features of sound and audio formats.

13. (a) Discuss about High definition systems in multimedia.

Or

- (b) Explain about transmission of animation.

14. (a) Explain the concepts of basic compression techniques.

Or

- (b) Explain the lossless mode in data compression.

15. (a) Explain any three type of editors in multimedia.

Or

- (b) What are the multimedia applications available in teleservices and media entertainment?

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detailed about Multimedia authoring tools.

Or

- (b) Explain about data streams and its systems of multimedia.

17. (a) Discuss briefly on the MIDI concepts and its devices.

Or

- (b) Write short notes on following:

- (i) Video format system
- (ii) Animation methods
- (iii) High definition systems.

18. (a) Explain in detailed about basic compression techniques.

Or

- (b) Discuss briefly about multimedia and its applications.