F–5278	Sub. Code
	9VSD1C1

B.Voc. DEGREE EXAMINATION, NOVEMBER 2021

First Semester

Software Development

FUNDAMENTALS OF PROGRAMMING AND C

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1.   What is the use of flow chart?

2.   Defining the problem.

3.   What do you mean by sequential statement?

4.   Define program flow chart.

5.   List any four keywords in C program.

6.   Give two examples for assignment statements.

7.   Define the term array.

8.   What is meant by recursion?

9.   Define structure.

10.   How do you declare a pointer variable?

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

11. (a) Write the algorithm for finding sum of series.

Or

(b) Explain about advantages of flow charts.

12. (a) Develop a flow chart for simple sequential statement.

Or

(b) Explain about straight sequential execution.

13. (a) Explain the basic structure of a C program.

Or

(b) Write a short note on identifiers and variables with example.

14. (a) Discuss about elements of user defined functions.

Or

(b) Discuss the concept of function, return values and their types in detail.

15. (a) How to declare the structure variable in C?

Or

(b) List the various rules governing pointer operations.

Part C   (3 × 10 = 30)

Answer any **three** questions.

16. Draw the flow chart for solving the roots of quadratic equation.

17. Discuss the flow chart symbols for iterative programming structures with example.

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18. Briefly explain about any five operators with examples.

19. Describe in detail about two dimensional array with example.

20. Explain about arrays of structure with example.

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B.Voc, DEGREE EXAMINATION, NOVEMBER 2021

Software Development

Allied: PRINCIPLES OF INFORMATION AND COMMUNICATION TECHNOLOGY

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define Mobile computing.

2. What is the role of IT in public sector?

3. What is the use of Bluetooth?

4. Write note on Smart Card?

5. Define relays.

6. Mention the function of Bridges.

7. What are the components of Multimedia?

8. Mention the function of virtual reality.

9. List any four internet tools.

10. Define Web browser.

Part B (5 × 5 = 25)

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

11. (a) Discuss the role of IT in manufacturing industry.

Or

(b) Write a notes on IT in media.

12. (a) Write a short notes on GPS.

Or

(b) Explain about infrared communication.

13. (a) What is concatenated virtual circuit? Explain.

Or

(b) Discuss in detail about repeaters.

14. (a) Discuss the applications of Multimedia.

Or

(b) Mention the merits of virtual reality.

15. (a) Mention the merits of E–Mail.

Or

(b) Explain about instant messaging.

Part C (3 × 10 = 30)

Answer any **three** questions.

16. Briefly explain about IT and Internet.

17. Explain about Nano technology.

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18. Describe in detail about internet architecture.

19. Discuss on Multimedia system.

20. Explain briefly about various web browsers.

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B.Voc. DEGREE EXAMINATION, NOVEMBER 2021

First Semester

Software Development/ Banking and Financial Services

LIFE COPING SKILLS- BASIC

(CBCS – 2019 onwards)

Time: 3 Hours   Maximum: 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define Self Esteem?

2. Define Self acceptance?

3. What is positive thinking?

4. Define Motivation?

5. Define goal setting?

6. Define lifetime goal.

7. What is Depression?

8. What is Anger?

9. Who is Leader?

10. Write two characteristics of leadership.

Part B (5 × 5 = 25)

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

11. (a) Explain about low Vs high self esteem.

Or

   (b) State the characteristics of self concepts.

12. (a) Explain the concepts of Motivation

Or

   (b) Discuss about the self actualization?

13. (a) Explain the importance of goal setting.

Or

   (b) Write the steps involved in goal setting.

14. (a) Explain the causes of Depression?

Or

   (b) Explain the kinds of fear.

15. (a) Explain the Characteristics of leadership.

Or

   (b) Discuss the attributes of leadership.

Part C (3 × 10 = 30)

Answer any **three** questions.

16. Explain the factors influencing the self esteem.

17. Discuss the power of positive thinking.

18. What is goal and write the types of goals.

19. Explain the Depression symptoms.

20. Explain the functions of leader.

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B.Voc. DEGREE EXAMINATION, NOVEMBER 2021.

Third Semester

Software Development

OPERATING SYSTEMS

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **All** questions.

1.   What is Cluster?

2.   Define File.

3.   Define Process.

4.   Write a note on deadlock prevention.

5.   Define Paging.

6.   What is Virtual Memory?

7.   Expand GUI.

8.   Define Virus.

9.   What is Shell?

10.   Define Interrupt.

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

11. (a) Explain about advantages of operating system.

Or

(b) Write a short note on Kernel Process.

12. (a) Explain about Process State.

Or

(b) What are the necessary conditions for deadlock?

13. (a) Discuss about single contiguous.

Or

(b) Write a note on Segmentation.

14. (a) Distinguish between threats and virus.

Or

(b) Explain about encryption.

15. (a) Mention different types of Unix OS.

Or

(b) How to Login Unix?

Part C $(3 \times 10 = 30)$

Answer any **Three** questions.

16. Explain briefly about Operating system functions.

17. Briefly explain about deadlock Strategies.

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18.   Discuss in detail about memory management.

19.   Describe user authentication in security process.

20.   Describe the architecture of Unix.

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	9VSD5G1

B.Voc. DEGREE EXAMINATION, NOVEMBER 2021.

Fifth Semester

Software Development

MIS AND EDI

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. What do you mean by information technology?

2. What is information systems?

3. Define management information system.

4. Define DSS.

5. What do you mean by EDI?

6. Define FTP.

7. What is CRM?

8. Define e-payment.

9. What is Server?

10. Define e-commerce.

Part B (5 × 5 = 25)

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

11. (a) Describe trends in the global business environment that have made information systems so important.

Or

(b) Explain about developing information systems solutions.

12. (a) Write a short note on human resource in information systems.

Or

(b) Explain about characteristics of information systems.

13. (a) Explain about EDI standards.

Or

(b) Write a short note on VAN.

14. (a) Explain about strategies for marketing in e-commerce.

Or

(b) Write a short on prepaid e-payment service.

15. (a) Explain about virtualization techniques.

Or

(b) Write a short note on hadoop.

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Answer any **three** questions.

16. Explain about solving business problems with information systems.

17. Discuss in detail about transaction processing system.

18. Briefly explain about EDI architecture.

19. Explain about electronic payment system.

20. Explain about cloud computing.

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	9VSD5C1

B.Voc. DEGREE EXAMINATION, NOVEMBER 2021.

Fifth Semester

Software Development

PROGRAMMING WITH JAVA

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer **all** questions.

1. Define Tokens.

2. What is operators?

3. What is class?

4. Define array.

5. Which classes and interfaces does applet class consist?

6. What is applets tab interface?

7. What is thread?

8. Define throw statement.

9. What is output stream?

10. Define ODBC.

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

11. (a) State five features of Java.

Or

(b) Explain about data types of Java.

12. (a) Explain about method overloading with example.

Or

(b) Write a short note on abstract classes with example.

13. (a) Explain about life cycle of an applet.

Or

(b) Write a short note on abstract window tool kit.

14. (a) Write a short note on exception and error classes.

Or

(b) How to creating and running threads?

15. (a) Explain about data input stream.

Or

(b) Write a short note on JDBC connection.

Part C (3 × 10 = 30)

Answer any **three** questions.

16. Explain about decision making and looping with example.

17. Briefly explain about inheritance in Java with example.

18. Explain about event handling methods.

19. Explain the following terms with respect to exception handling.

    (a) try

    (b) catch

    (c) throw

    (d) finally

20. Briefly explain about input stream and output stream classes.

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B.Voc. DEGREE EXAMINATION, NOVEMBER 2021.

Fifth Semester

Software Development

Elective — SOFTWARE ENGINEERING

(CBCS – 2019 onwards)

Time : 3 Hours   Maximum : 75 Marks

Part A   (10 × 2 = 20)

Answer **all** questions.

1. Define Software engineering.

2. Define Validation.

3. What is use case?

4. Define functional requirements.

5. What is Cohesion?

6. Define user interface classes.

7. What is testability?

8. Define debugging.

9. What is software task?

10. Define reverse engineering.

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

11. (a) Explain about iterative waterfall model.

    Or

    (b) Explain about prototyping model.

12. (a) Write a metrics for project size estimation.

    Or

    (b) Explain about risk management.

13. (a) Difference between cohesion and coupling.

    Or

    (b) Write a characteristics of a good user interface.

14. (a) Write a short note on unit testing.

    Or

    (b) Write a short note on system testing.

15. (a) Write a characteristics of CASE tools.

    Or

    (b) Explain about software reuse.

Part C $(3 \times 10 = 30)$

Answer any **three** questions.

16. Briefly explain about emergence of software engineering.

17. Explain about responsibilities of a software project manager.

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18. Discuss in detail about oriented software design.

19. Briefly explain about software quality and management system.

20. Explain about computer aided software engineering.

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