

28/11/2025

Printing Pages: 2

Paper Code: M-DIS-IT

C

(SVSU:2025-26/R)

Enrollment No.

B.Sc-CS/IT

I YEAR EXAMINATION

Subject Name: Internet Technologies

Subject Code- M-DIS-IT

[Time : 3:00 Hours]

[Max. Marks : 70]

I. Objective Question: Answer All Question

[1x15= 15]

1. The Internet is also known as a _____.
a) LAN b) WAN c) MAN d) PAN
2. Which protocol is used for sending emails?
a) FTP b) SMTP c) HTTP d) SNMP
3. The World Wide Web was invented by _____.
a) Bill Gates b) Steve Jobs
c) Tim Berners-Lee d) Mark Zuckerberg
4. Which of the following is an example of real-time communication?
a) FTP b) Chatting c) E-mail d) File compression
5. Which HTTP method is used to retrieve data from the server?
a) POST b) GET c) DELETE d) PUT
6. Caching in HTTP helps in _____.
a) Increasing security b) Saving server memory
c) Reducing loading time d) Creating cookies
7. HTTP operates on which port by default?
a) 21 b) 22 c) 80 d) 25
8. Which of the following allows a user to access another computer remotely?
a) FTP b) Telnet c) SMTP d) DNS
9. A collection of interlinked documents on the web is called a _____.
a) Web Page b) Web Server c) Website d) Hyperlink
10. Which term refers to moral principles in online usage?
a) Cybernetics b) Cyber security
c) Cyber ethics d) Cyber hacking
11. HTTPS uses which protocol for security?
a) SSL/TLS b) FTP c) SMTP d) POP3

12. Which device connects multiple networks together?
a) Hub b) Router c) Switch d) Repeater
13. Which of the following hardware is required to connect to the Internet?
a) RAM b) Modem c) Printer d) Speaker
14. The main difference between Internet and Intranet is _____.
a) Speed b) Ownership
c) Connection type d) Security
15. Which of the following is an internal network?
a) Internet b) LAN c) WAN d) Intranet

II. Long Question: Answer Any Three out of five

[10x3=30]

- a. Explain the architecture and working of the Internet as a giant wide area network.
- b. What are cyber ethics? Explain their importance and how they help ensure a secure and responsible online environment.
- c. What is the difference between HTTP and Hypertext Transfer Protocol Secure (HTTPS)? Explain how HTTPS provides security.
- d. Discuss the components and working of a search engine.
- e. Explain the working of Domain Name System (DNS) and how it resolves domain names to IP addresses.

III. Short Question: Answer any five out of seven

[5x5=25]

- a. Explain the role of Internet organizations in standardizing the web.
- b. Define Usenet and explain its uses.
- c. Elaborate any two differences between HTTP 1.1 and HTTP 2.0.
- d. Explain the role of hardware devices in enabling Internet connectivity.
- e. Define Intranet with an example.
- f. How would you define a web server?
- g. What is a search engine?

Printing Pages: 2

Paper Code: BSCS-101

B

(SVSU:2025-26/R)

Enrollment No.

COURSE NAME: BSc- CS

I YEAR/ I SEMESTER EXAMINATION

Subject Name: Fundamentals of Computer

Subject Code: BSCSC-101

[Time: 3:00 Hours]

[Max. Marks: 70]

Section A: Objectives Question: Answer All Questions. [1x15=15]

Q1. CPU stands for:

- a) Central Processing Unit
- b) Control Processing Unit
- c) Central Program Unit
- d) Central Power Unit

Q2. A microcomputer is:

- a) Large computer
- b) Small computer
- c) Mainframe computer
- d) Hybrid computer

Q3. Data processing means:

- a) Storing data
- b) Converting data into useful information
- c) Printing data
- d) Deleting data

Q4. ASCII is a:

- a) Code
- b) Device
- c) Software
- d) Logic gate

Q5. Truth table shows:

- a) Hardware connections
- b) Logical results
- c) Memory type
- d) Storage device

Q6. Which one is an input device?

- a) Printer
- b) Keyboard
- c) Monitor
- d) Speaker

Q7. Which one is an output device?

- a) Mouse
- b) Light pen
- c) Monitor
- d) Joystick

Q8. Keyboard is used for:

- a) Displaying data
- b) Entering data
- c) Printing data
- d) Storing data

Q9. ROM stands for:

- a) Read Only Memory
- b) Read Old Memory
- c) Random Only Memory
- d) Random Output Memory

Q10. Memory unit stores:

- a) Data and instructions
- c) Input only

- b) Output only
- d) Programs only

Q11. MS Excel is used for:

- a) Word processing
- c) Slide show

- b) Data calculation
- d) Internet browsing

Q12. Word processor helps in:

- a) Editing text
- c) Designing circuits

- b) Playing games
- d) Data transmission

Q13. PowerPoint is used for:

- a) Creating presentations
- c) Programming

- b) Calculations
- d) Typing letters

Q14. Software package is a:

- a) Group of related programs
- c) Input device

- b) Single file
- d) Output unit

Q15. Laser printer is a:

- a) Impact printer
- c) Manual printer

- b) Non-impact printer
- d) Portable printer

Section B: Long Questions: Attempt any three out of five [10×3=30]

- a. Explain the block diagram of a computer with neat labeling.
- b. Discuss different types of number systems with examples.
- c. Describe various input devices in detail.
- d. Explain the functions of different memory types in a computer.
- e. Explain in detail the basic operations of MS Word, Excel, and PowerPoint.

Section C : Short Questions: Attempt any five out of eight [5×5=25]

- a. What are the main characteristics of a computer?
- b. Explain the difference between hardware and software.
- c. What is binary to decimal conversion? Give a simple example.
- d. Write a short note on logic gates AND, OR, and NOT.
- e. Explain the working of a printer.
- f. What are registers in CPU?
- g. Write a note on the use of MS PowerPoint.
- h. What are the uses of spreadsheet formulas?

Printing Pages: 2

Paper Code: SEC-AE

C

(SVSU:2025-26/R)

Enrollment No.

B.SC(CS) [COMMON FOR ALL]

I YEAR/ I SEMESTER EXAMINATION

Subject Code: SEC-AE

Subject Name: Advanced Excel

[Time : 03:00 Hours]

[Max. Marks : 75]

Note: 1. Attempt all the questions as per given instructions.

1. Multiple Choice Questions (MCQs)

[01×15=15]

I Excel is a type of _____ software.

- a) Word Processing b) Spreadsheet
c) Database d) Presentation

II The intersection of a row and column is called a _____.

- a) File b) Cell c) Box d) Table

III Which key combination is used to copy selected data?

- a) Ctrl + V b) Ctrl + C c) Ctrl + S d) Ctrl + P

IV Which function adds numbers in a range?

- a) SUM b) MAX c) AVERAGE d) COUNT

V Which function is used to find the maximum value in a range?

- a) MIN b) MAX c) COUNT d) AVERAGE

VI Which of these is used to display data graphically?

- a) Chart b) Table c) Goal Seek d) Filter

VII Which function returns the number of numeric entries?

- a) COUNTA b) COUNT c) SUM d) MAX

VIII Which operator is used for "less than or equal to"?

- a) < b) <= c) > d) =

IX Which function checks a condition and returns TRUE or FALSE?

- a) SUM b) IF c) COUNT d) ROUND

X The default file extension of Excel 2016 is _____.

- a) .docx b) .pptx c) .xlsx d) .xls

XI To save a workbook, press _____.

- a) Ctrl + O b) Ctrl + N c) Ctrl + S d) Ctrl + P

- XII** Which function counts both text and numbers?
a) COUNT b) COUNTA c) MAX d) SUMIF
- XIII** Which feature is used to restrict data entry to specific values?
a) Goal Seek b) Data Validation
c) Subtotal d) Consolidate
- XIV** Which option is used to protect your worksheet with a password?
a) Save As b) Data Validation c) Protect Sheet d) Print Setup
- XV** Which menu contains options for sorting and filtering?
a) Home b) Data c) View d) Insert
- 2. Answer in long (any three)** **[10×3=30]**
- a. Explain step-by-step how to create, save, and print an Excel workbook.
- b. Describe the procedure to create a chart in Excel and modify its elements.
- c. Explain the IF function with a simple example for student grading.
- d. Describe how to use Data Validation to allow only numbers between 1 and 100.
- e. Explain the process of creating and filtering Pivot Table data in Excel.
- 3. Answer in short (any six)** **[5×6=30]**
- a. Elaborate Microsoft Excel and Write any three of its uses.
- b. What are rows, columns, and cells? Explain with example.
- c. Differentiate relative and absolute cell references.
- d. Write short notes on: (a) SUM (b) AVERAGE functions.
- e. Explain charts and any two types of charts used in Excel.
- f. What is the use of the Data → Filter option?
- g. Describe COUNT and COUNTA functions and its difference.
- h. What is Data filtering? Explain with a simple example.