

**PRACTICE SET**  
**End Semester Examination, December-2025**

**Program:** BMRIT  
**Course:** Basic Computer Information System  
**Semester:** I  
**Course Code:** 42BBMRIT- 009

**Course Outcome**

<b>Course Outcomes</b>	<b>Description</b>
<b>CO1</b>	Understand the Fundamentals of Computer Systems.
<b>CO2</b>	Demonstrate Proficiency in Common Operating Systems and Software.
<b>CO3</b>	Use the Internet and Online Resources Effectively
<b>CO4</b>	Understand Windows and Microsoft Office.
<b>CO5</b>	Utilize Computers for Health Record Management.

**Section-A:**

**(25 X 05 = 125)**

1. Define a computer system. Explain its basic components. [MODULE-1] [CO1] [Understand][LOT]
2. What is the difference between hardware and software? Give examples.[MODULE-1][CO1] [Remember] [LOT]
3. Describe the function of the Central Processing Unit (CPU). [MODULE-1] [CO1] [Understand][LOT]
4. List and explain any two types of computer memory.[MODULE-1] [CO1] [Remember] [LOT]
5. What are input and output devices? Mention two examples for each.[MODULE-1] [CO1] [Understand][LOT]
6. Define an operating system and explain its main functions. [MODULE-2] [CO2] [Remember][LOT]
7. Differentiate between system software and application software with examples.  
[MODULE-2] [CO2] [Understand][LOT]
8. Explain the purpose of file management in an operating system. [MODULE-2] [CO2] [Understand][LOT]
9. Illustrate the role of process scheduling in operating systems. [MODULE-2] [CO2] [Apply][HOT]
10. Compare Windows, Linux, and mac OS in terms of user interface and performance.  
[MODULE-2] [CO2] [Analyze][HOT]
11. List any five essential tools or services provided by the Internet for academic and professional use.  
[MODULE-3] [CO3] [Remember][LOT]
12. Define search engines and explain the difference between search engines and web directories.  
[MODULE-3] [CO3] [Understand][LOT]
13. Identify the importance of using keywords and Boolean operators in online searches.  
[MODULE-3] [CO3] [Apply][HOT]
14. Explain how online databases IEEE Xplore, ScienceDirect support research and learning.  
[MODULE-3] [CO3] [Understand][LOT]
15. State five safety tips for protecting personal information while using online platforms.  
[MODULE-3] [CO3] [Remember][LOT]
16. List five functions of Windows OS.[MODULE-4] [CO4] [Remember][LOT]
17. Explain the purpose of the Control Panel and Task Manager in Windows.

- [MODULE-4] [CO4] [Understand][LOT]
18. Describe the steps to create, rename, and delete a folder in Windows Explorer.  
[MODULE-4] [CO4] [Understand][LOT]
  19. Differentiate between MS Word and MS Excel based on their main features and uses.  
[MODULE-4] [CO4] [Analyze][HOT]
  20. State the function of Clipboard operations Cut, Copy, Paste in MS Office applications.  
[MODULE-4] [CO4] [Remember][LOT]
  21. Define Electronic Health Record (EHR) and list its major components.  
[MODULE-5] [CO5] [Remember][LOT]
  22. Explain the role of computers in Hospital Information Systems (HIS).  
[MODULE-5] [CO5] [Understand][LOT]
  23. Describe the advantages of digital health record management over paper-based systems.  
[MODULE-5] [CO5] [Understand][LOT]
  24. Illustrate how data security and privacy are maintained in EHR systems.  
[MODULE-5] [CO5] [Apply][HOT]
  25. Discuss the importance of data backup and recovery in health record management.  
[MODULE-5] [CO5] [Apply][HOT]

**Section-B: (10 X 10 = 100)**

26. Explain the working of a computer system with the help of a neat block diagram.[MODULE-1] [CO1] [Understand][LOT]
27. Describe the different generations of computers and their key characteristics.[MODULE-1] [CO1] [Remember][LOT]
28. Discuss different types of operating systems. Provide suitable examples. [MODULE-2] [CO2] [Understand][LOT]
29. Explain the role and functions of system utilities such as Disk Management Tools, Backup Utilities, and Antivirus Software. [MODULE-2] [CO2] [Evaluate][HOT]
30. Discuss how effective Internet searching strategies can improve academic research outcomes. [MODULE-3] [CO3] [Apply][HOT]
31. Compare and contrast different types of online learning resources such as MOOCs, digital libraries, and open educational resources (OER). [MODULE-3] [CO3] [Apply][HOT]
32. Discuss the steps to create, format, and print a document in MS Word. Provide examples of formatting tools used. [MODULE-4] [CO4] [Apply][HOT]
33. Illustrate the use of MS Excel functions and formulas SUM, AVERAGE, IF, COUNTwith a sample data table. [MODULE-4] [CO4] [Apply][HOT]
34. Compare and contrast EHR (Electronic Health Record) and EMR (Electronic Medical Record) systems with examples. [MODULE-5] [CO5] [Analyze][HOT]
35. Evaluate the impact of health information technology (HIT) on healthcare quality and patient outcomes. [MODULE-5] [CO5] [Evaluate][HOT]

**Section-C: (05 X 20 = 100)**

36. Analyze the differences between various types of computer architectures. How do these architectures impact system performance?[MODULE-1] [CO1] [Analyze][HOT]
37. Develop a detailed case study demonstrating how various system software work together to optimize computer performance. [MODULE-2] [CO2] [Create][HOT]
38. Evaluate the advantages and limitations of using Internet-based resources for higher education and research. [MODULE-3] [CO3] [Evaluate][HOT]
39. Design an integrated mini-project using MS Excel and MS PowerPoint where you create data in Excel monthly sales record and present it graphically in PowerPoint slides. Explain how charts are used for professional presentation. [MODULE-4] [CO4] [Create][HOT]
40. Develop a case study explaining how the implementation of EHR improved healthcare efficiency and patient satisfaction in an organization. [MODULE-5] [CO5] [Analyze][HOT]

## Summary Sheet

### Course Outcomes (CO) Wise

<b>CO</b>	<b>Question Numbers</b>								<b>Marks</b>
CO1	1	2	3	4	5	26	27	36	65
CO2	6	7	8	9	10	28	29	37	65
CO3	11	12	13	14	15	30	31	38	65
CO4	16	17	18	19	20	32	33	39	65
CO5	21	22	23	24	25	34	35	40	65
<b>Total</b>									<b>325</b>

### Unit Wise

<b>Unit</b>	<b>Question Numbers</b>								<b>Marks</b>
Module-1	1	2	3	4	5	26	27	36	65
Module-2	6	7	8	9	10	28	29	37	65
Module-3	11	12	13	14	15	30	31	38	65
Module-4	16	17	18	19	20	32	33	39	65
Module-5	21	22	23	24	25	34	35	40	65
<b>Total</b>									<b>325</b>

### Blooms Taxonomy Level (BTL) Wise

<b>BTL</b>	<b>Question Numbers</b>								<b>Marks</b>
LOT	1	2	3	4	5	6	7	8	<b>125</b>
	11	12	14	15	16	17	18	20	
	21	22	23	26	27	28			
HOT	9	10	13	19	24	25	29	30	<b>200</b>
	31	32	33	34	35	36	37	38	
	38	39	40						
<b>Total</b>									<b>325</b>

**Prepared by: Chandray Soren**

**Disclaimer:** - This is a Practice Set. The Question in End term examination will differ from the Practice set. This Practice set is meant for practice only.