

Shri Vijaysinha Yadav College, Peth Vadgaon
Department of Computer Science
Bridge Course 2026-27

Course Name:	Fundamental of Computer
Duration:	5 Days
	Saturday 04/07/2026 - 1Hour Monday 06/07/2026 - 1Hour Tuesday 07/07/2026 - 1Hour Wednesday 08/07/2026 - 1Hour Tuesday 09/07/2026 - 1Hour

About Bridge Course:

Department of Computer Science conducted a 5 hours' bridge course from 04/07/2026-09/07/2026 in lecture, video and practical mode before the commencement of regular classes. The main objective of the course is to bridge the gap between subjects studied at pre-university level and subjects they would be studying in B.Sc. Computer Science. Bridge Course will help the students to have a smooth transition to the courses. The Bridge Courses also focus on the pupil with different learning abilities, Basics fundamentals of computer, academic standards and performances.

Objective:

The bridge course helped students from different backgrounds understand the basics of computers. It made learning easier and gave them the confidence to use computers for simple tasks. After taking the test and attending the sessions, most students are now ready to start their main computer science subjects with a better understanding.

Methodology:

- Action plan of the bridge course is prepared well in advance by the senior faculty and get it approved by respective HOD.
- > Video Lecture, chalk and talk methods have been adopted for the theory subjects.
- Hands on training and interactive sessions are conducted for laboratory sessions.

Syllabus Covered:

Topic	Subtopics
Introduction to Computers	What is a computer, Features, Applications
Hardware & Software	Input/output devices, System/Application software
Memory & Storage	RAM, ROM, Hard Drives, Pen drives
Operating Systems	Windows interface, File handling basics
Number Systems	Binary, Decimal, Conversion basics
Computer Languages	Types: Machine, Assembly, High-Level
Basic Programming Concepts	Introduction to C, Variables, Loops
Internet & Cyber Safety	Browsers, Email basics, Data privacy

LECTURE



Nirmala
 Head
 (Mrs. Nirmala) Head of Computer Science
 Shri. Vijaysinha Yadav College
 Peth Vadgaon, Tal. Matkangale,
 Haad, Dept. of Computer Science

Ashok
 (Dr. Ashok Chavan)
 I/C Principal
 I/C Principal
 Shri Vijaysinha Yadav College,
 Peth Vadgaon, Tal. Matkangale,
 Dist. Kolhapur.

Shir Vijaysinha Yadav College, Peth Vadgaon
Department of Computer Science 2026-27
Fundamentals of computer (Bridge Course)

Sr. No	Date	Class	Time	Name of Faculty	Topic	No.of Students
1	04/07/2026	B.Sc. Part-I	11:45 to 12:45	Nirmale S.A	Scope of computer science	15
2	06/07/2026		12:45 to 1:45	Nirmale S.A	Computer Fundamentals, Networking Fundamentals	12
3	07/07/2026		11:45 to 12:45	Nirmale S.A	Basic Programming Concepts, Programming Languages	14
4	08/07/2026		12:45 to 1:45	Kshirsagar V.D	Hardware Components, Software and Operating Systems	14
5	09/07/2026		11:45 to 12:45	Kshirsagar V.D	Database Concepts	13

Diagnostic Test – Computer Fundamentals

Total Questions: 20

Total Marks: 20

Time Allowed: 40 minutes

Question Type: Multiple Choice & Short Answer

Pass Marks: 12/20

Section A: Multiple Choice Questions (1 Mark Each)

1. **Which of the following is an input device?**
 - a) Monitor
 - b) Printer
 - c) Keyboard
 - d) Speaker
2. **What does CPU stand for?**
 - a) Central Process Unit
 - b) Central Processing Unit
 - c) Computer Personal Unit
 - d) Central Performance Unit
3. **Which of the following is system software?**
 - a) MS Word
 - b) Google Chrome
 - c) Windows 10
 - d) Tally
4. **RAM is a type of:**
 - a) Permanent memory
 - b) Temporary memory
 - c) Optical memory
 - d) Virtual memory
5. **Which language is directly understood by the computer?**
 - a) Python
 - b) Assembly
 - c) Machine Language
 - d) Java
6. **Which unit performs calculations in a computer?**
 - a) Control Unit
 - b) Arithmetic Logic Unit
 - c) Input Unit
 - d) Memory Unit

7. **Which of the following is not a programming language?**
a) HTML
b) Java
c) C++
d) Python
8. **Which of the following stores data permanently?**
a) RAM
b) ROM
c) Hard Drive
d) Cache
9. **A byte is made up of:**
a) 2 bits
b) 4 bits
c) 8 bits
d) 16 bits
10. **What is the full form of GUI?**
a) Graphical User Interface
b) General Utility Interface
c) Graphical Uniform Interface
d) Graphical User Input

Section B: Short Answer Questions (2 Marks Each)

11. **What is software? Give two examples.**
12. **What is the difference between hardware and software?**
13. **Name two output devices.**
14. **What is an operating system?**
15. **List two advantages of computers.**

Diagnostic Test – Computer Fundamentals

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Section A: Multiple Choice Questions (1 Mark Each)

11. Which of the following is an input device?

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

✓**Answer:** c) Keyboard

12. What does CPU stand for?

- a) Central Process Unit
- b) Central Processing Unit
- c) Computer Personal Unit
- d) Central Performance Unit

✓**Answer:** b) Central Processing Unit

13. Which of the following is system software?

- a) MS Word
- b) Google Chrome
- c) Windows 10
- d) Tally

✓**Answer:** c) Windows 10

14. RAM is a type of:

- a) Permanent memory
- b) Temporary memory
- c) Optical memory
- d) Virtual memory

✓**Answer:** b) Temporary memory

15. Which language is directly understood by the computer?

- a) Python
- b) Assembly
- c) Machine Language
- d) Java

✓**Answer:** c) Machine Language

16. Which unit performs calculations in a computer?

- a) Control Unit
- b) Arithmetic Logic Unit
- c) Input Unit
- d) Memory Unit

✓**Answer:** b) Arithmetic Logic Unit

17. **Which of the following is not a programming language?**

- a) HTML
- b) Java
- c) C++
- d) Python

✓ **Answer:** a) HTML (*It's a markup language*)

18. **Which of the following stores data permanently?**

- a) RAM
- b) ROM
- c) Hard Drive
- d) Cache

✓ **Answer:** c) Hard Drive

19. **A byte is made up of:**

- a) 2 bits
- b) 4 bits
- c) 8 bits
- d) 16 bits

✓ **Answer:** c) 8 bits

20. **What is the full form of GUI?**

- a) Graphical User Interface
- b) General Utility Interface
- c) Graphical Uniform Interface
- d) Graphical User Input

✓ **Answer:** a) Graphical User Interface

Section B: Short Answer Questions (2 Marks Each)

13. **What is software? Give two examples.**

✓ **Answer:** Software is a set of instructions that tells the computer what to do.

Examples: MS Word, Windows 10

14. **What is the difference between hardware and software?**

✓ **Answer:** Hardware: Physical components of a computer (e.g., CPU, mouse)

- Software: Programs/instructions used by the hardware (e.g., MS Office)

- **Name two output devices.**

✓ **Answer:** Monitor, Printer

- **17 What is an operating system?**

✓ **Answer:** An operating system is system software that manages hardware, software, and other resources of the computer.

Example: Windows, Linux

16. **List two advantages of computers.**

✓ **Answer:** High speed and accuracy, Storage and automation of repetitive task

Shri Vijaysinha Yadav College, Peth Vadgaon

Department of Computer Science

Bridge Course 2026-27

Mark list

Sr.no	Name of Student	Marks
1	Jayashri Khade	13
2	Shravani Gaikwad	12
3	Payal Talugade	13
4	Shruti Khade	12
5	Shubhangi Pawar	11
6	Samrudhi Koli	12
7	Anushka Bhise	15
8	Prachi Jadhav	16
9	Vaishnavi Jadhav	17
10	Shrutika Power	16
11	Vaishnavi Jagtap	18
12	Anushka nayakawadi	19
13	Atharv Naik	15
14	Prathamesh Pawar	11
15	Nandraj Patil	14
16	Yuvraj Jadhav	14
17	Avantika Patil	16

Shri Vijaysinha Yadav College, Peth Vadgaon
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Sr.No	Student Name	Sign				
		04/07/2026	06/07/2026	07/07/2026	08/07/2026	09/07/2026
1.	Jayashri Khade					
2.	Shravani Gaikwad					
3.	Poal Talugade					
4.	Shruti Khade					
5.	Shubhangi Pawar					
6.	Sameer Koli					
7.	Anushka Bhise					
8.	Prachi Jadhav					
9.	Vidisha Jadhav					
10.	Shrutika Pawar					
11.	Vaishnavi Jagtap					
12.	Anushka Nayakawadi					
13.	Atharv Naik					
14.	Prathamesh Pawar					
15.	Nandraj Patil					
16.	Yuvraj Jadhav					
17.	Avantika Patil					

Name: Anushka Vinayak Nayakawadi
Class : BSC I
Date : 15/07/2026

Diagnostic Test – Computer Fundamentals

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Question Type: Multiple Choice & Short Answer

Pass Marks: 12/20

19
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Section A: Multiple Choice Questions (1 Mark Each)

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✓ c) Keyboard
d) Speaker
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10. What is the full form of GUI?

- a) Graphical User Interface
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- c) Graphical Uniform Interface
- d) Graphical User Input

Section B: Short Answer Questions (2 Marks Each)

11. What is software? Give two examples.

Software is a collection of programmes and instructions that tell computer how to perform specific tasks unlike hardware & software can't be physically touched.

12. What is the difference between hardware and software?
 Software = i] collection of programmes & instructions that tell computer how to perform specific tasks. e.g., Microsoft Word, Excel.
 Hardware = ii] e.g., Microsoft Word, Excel.

Hardware = i] Hardware refers to the physical touched. touched.
 ii] e.g., Paper

13. Name two output devices.

- 1) Monitor
- 2) Speaker
- 3) Printer

14. What is an operating system? (O.S)

An operating system (O.S) is software that enables applications and the rest of a computer system to work. windows and Mac OS is the most popular operating system.

15. List two advantages of computers.

- 1] Advantages of computer Minimum time and maximum work.
- 2] Advantages of computer is time saving.