

# देवी अहिल्या विश्वविद्यालय, इंदौर से सम्बद्ध

**Exam-center: Prof. Brijmohan Mishra Institute of Medical & Technical  
Sciences, burhanpur(mp)**

नियमित(Regular) विद्यार्थियों के लिए

**BCA Examination October-(2019-20)(ATKT)**

**Class: BCA-V SEMESTER**

**Paper- Introduction to JAVA**

**Note: Attempt all the five Questions. All questions carry equal Marks.**

1. What are different application areas of java? Explain with certain example?
2. Explain data type conversion and casting feature of java with example?
3. Write a Java program that declares a class named 'Person'. It should have instance variables to record name, age and salary. These should be of type string, int and float. Use constructor to initialize the objects and write a show method to display name,age and salary of the person.
4. What are Packages ? List predefined packages in Java.
5. What are exceptions ? Write a Java program to handle an Exception?

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**Paper- Computer organization & architecture**

**Note: Attempt all the five Questions. All questions carry equal Marks.**

1. Explain the different components of computer system by drawing its block diagram?
2. Compare briefly the following: 1) SRAM & DRAM  
2) Register & Primary memory
3. Describe addressing modes with its different types?
4. What is meant by hardwired implementation? Explain with some examples?
5. Differentiate between the following:
  - (i) Parallel processor & array processor
  - (ii) Programmed I/O & interrupt driven I/O.

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**Paper- Software Engineering**

**Note: Attempt all the five Questions. All questions carry equal Marks.**

1. What is the System Development Life Cycle ? How does it relate to System Analysis ?
2. What is an SRS ? Explain the importance of preparing the SRS document in Software Development.
3. Describe term DFD? Draw DFD for hospital management system.
4. What is Software Testing? Differentiate between White-box and Black-box Testing Method.
5. What are verification and validation techniques? Explain?

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**Paper- Web designing& web technology**

**Note: Attempt all the five Questions. All questions carry equal Marks.**

1. Explain the concept and working of client-server and distributed computing?
2. Define HTML? Discuss various tags available in HTML?
3. What do you mean by navigation in web site? Explain different text level formatting in HTML with example
4. Compare HTML, DHTML and XML. Also Write a JavaScript program for background color changing if button is clicked.
5. Explain cookies and its types. Also discuss their advantages and disadvantages?