**Section 2**

**The correct answer is in bold format.**

1. **Who developed the Java programming language?**a) Larry Page and Sergey Brin.b) Bill Gates and Steve Jobs **c) James Gosling, Mike Sheridan, and Patrick Naughton at Sun Microsystems.**

**2. Which feature of Java allows older applications to continue running smoothly with newer versions?**  
a) Platform independence. **b) Backward compatibility.**  
c) Robustness.

**3. How does Java's extensive community support benefit developers?  
a)** **It provides open-source projects, libraries, and frameworks that extend Java’s capabilities.**   
b) It limits innovation and new ideas.  
c) It only benefits experienced developers.

**4. Why is Java a reliable choice for building various types of applications?**a) It has limited platform support.  
b) It is only used for Android development. **c) It has an established presence and compatibility with various platforms and frameworks.**

**5. Which of the following is essential for succeeding as a Java developer?**a) Only focusing on coding without learning about tools.  
**b) Engaging in continuous learning and working on real-world projects.**c) Avoiding feedback from peers to maintain unique code.

**6. What is meant by environment in the context of Java?  
a) A setup or system that includes all the necessary software and tools required to develop and run Java applications, such as JDK, JRE, and IDEs.**b) The physical workspace where a developer writes code.  
c) A specific programming language used to write Java programs.

**7. Which one of the components is the part of JDK?**

**a) Java Runtime Environment (JRE)**b) Microsoft Word  
c) Python Interpreter

**8. What is the function of compiler in JDK?**

a) To execute Java code directly without any conversion. **b) Translates java code into a form**c) To translate binary code into human-readable format.

**9. What JVM does?**

a) Translates Java source code into bytecode. **b) Interprets java byte code and execute it on a computer.**

c) Compiles Java code into an executable file.

**10. With which extension source code is stored in a file?**

a) .class  
b) .txt  
**c) .java**