Information Systems in Health Care – Michel Kana, PhD

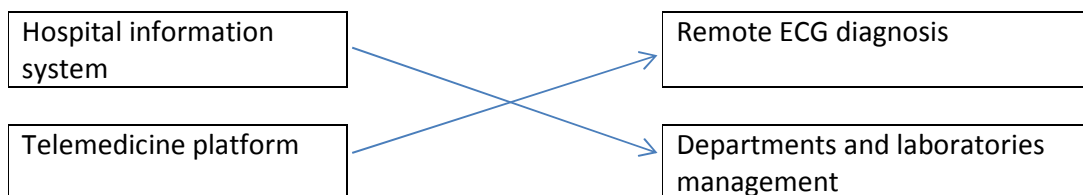**Pre Test Corrected**

Student: _____

1. **Match each term with its correct definition**

Anamnesis		Systematic documentation of a patient's medical history

Medical record		Records of question-response interactions between physicians and patients for the aim of diagnosis
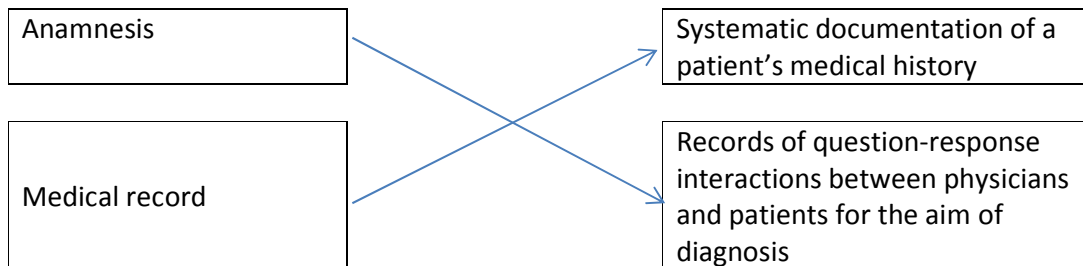
2. **How would you call the systematic collection, storage and processing of health information about patients?**

   Ⓐ Electronic medical records
   B. Health insurance

3. **Match each information system with its typical function**

Hospital information system		Remote ECG diagnosis
Telemedicine platform		Departments and laboratories management

4. **What is a common software development process?**

   A. analysis → implementation → design → test
   Ⓑ analysis → design → implementation → test

5. **What is a typical characteristic of the client-server software architecture?**

   A. The server creates a request which is processed by the client.
   Ⓑ The user interface is provided by the client while the server remains hidden to the user.

6. **Match the terms on the left with the corresponding group on the right**

| MySQL |
| Oracle | → | Database server |
| MS SQL |

| Java |
| PHP | | Programming language |
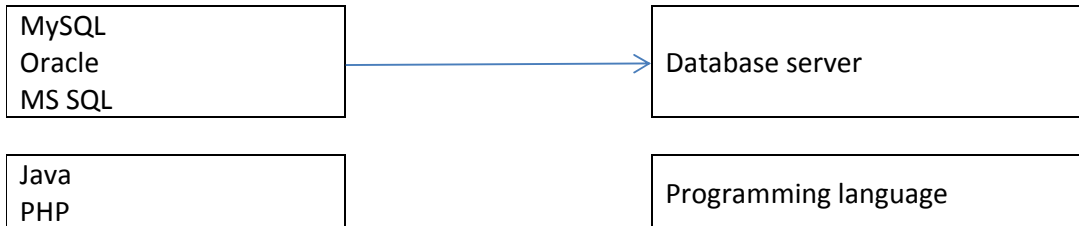
7. **Which of the following piece of code will execute endlessly?**

A.
```
n = 1;
while n < 100
    n = n + 1;
end;
```

(B.)
```
n = 1;
while n < 100
    n = n - 1;
end;
```

8. **Which of the following SQL query returns the total number of rows in the database table A?**

(A.) `select count(*) from A;`
B. `drop table A;`

9. **Which programming environment is suitable for developing mHealth applications?**

(A.) Android SDK
B. Matlab Engine API

10. **Write a code that calculates the sum of all unpaired (odd) integers between 0 and 1000 (use a pseudo-language or a programming language of your choice).**