**Information Systems in Health Care – Michel Kana, PhD**

**Pre Test**

**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 |

1. **How would you call the systematic collection, storage and processing of health information about patients?**
2. Electronic medical records
3. Health insurance
4. **Match each information system with its typical function**

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

1. **What is a common software development process?**
2. analysis 🡪 implementation 🡪 design 🡪 test
3. analysis 🡪 design 🡪 implementation 🡪 test
4. **What is a typical characteristic of the client-server software architecture?**
5. The server creates a request which is processed by the client.
6. The user interface is provided by the client while the server remains hidden to the user.
7. **Match the terms on the left with the corresponding group on the right**

|  |  |  |
| --- | --- | --- |
| MySQL  Oracle  MS SQL |  | Database server |
|  |  |
| Java  PHP | Programming language |

1. **Which of the following piece of code will execute endlessly?**
2. n = 1;

while n < 100

n = n + 1;

end;

1. n = 1;

while n < 100

n = n - 1;

end;

1. **Which of the following SQL query returns the total number of rows in the database table A?**
2. select count(\*) from A;
3. drop table A;
4. **Which programming environment is suitable for developing mHealth applications?**
5. Android SDK
6. Matlab Engine API
7. **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).**