

PHD Computing Sample Test Paper

Total Marks: 100

Total Time: 90 Minutes

The Entrance Test will comprise of on-line multiple-choice questions (MCQs). You will select one answer from the four choices given. 15 questions will be asked from each section except Technical Writing. 10 questions will be asked from Technical Writing section.

TECHNICAL WRITING SECTION

Example:

What usually determines the purpose of a technical writing?

- a. The title of the document
- b. The goals of the writer
- c. The need of the audience
- d. None of the above

The correct answer is (c)

GENERAL PROGRAMMING SECTION

Example:

Function templates

- a. must have exactly one parameter
- b. may have more than one parameter as long as they are of same type
- c. may have more than one parameter of any type
- d. None of the above

The correct answer is (c)

COMPUTER ARCHITECTURE AND ORGANIZATION SECTION

Example:

A modern electronic computer is a machine that is meant for

- a. Doing quick mathematical calculations
- b. Input, storage, manipulation and outputting of data
- c. Electronic data processing
- d. None of the above

The correct answer is (b)

OPERATING SYSTEMS AND NETWORKS SECTION

Example:

If the baud rate is 200 for a 8-PSK signal, the bit rate is _____ bps.

- a. 100
- b. 600
- c. 800
- d. None of the above

The correct answer is (b)

DATABASE CONCEPTS SECTION

Example:

Sub queries can be removed by using

- a. Stored procedures
- b. Functions.
- c. Triggers.
- d. None of the above

The correct answer is (b)

SOFTWARE ENGINEERING SECTION

Example:

In UP elaboration phase, use case model gets completed up to:

- a. 10-20%
- b. 20-30%
- c. 80-90%
- d. None of the above

The correct answer is (c)

MATHEMATICS SECTION

Example:

If the width of a rectangle is increased by 25% while the length remains constant, the resulting area is what percent of the original area?

- a. 25%
- b. 75%
- c. 125%
- d. None of the above

The correct answer is (c)