

Midterm mcqs for fall 2013

by  
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Question # 1 of 10 ( Start time: 11:40:38 PM ) Total Marks: 1

**Which of the following is an incorrect option from the following statements regarding ‘objectives of learning new languages ’?**

Select correct option:

Help to compare different languages.

Help in transition from one language to other language.

**Help in understanding the language privacy policy.**

Help to choose a language for development of a certain application.

Question # 2 of 10 ( Start time: 11:41:23 PM ) Total Marks: 1

**Computer architecture has a major influence on the design of programming language.**

Select correct option:

**True**

False

Question # 3 of 10 ( Start time: 11:42:17 PM ) Total Marks: 1

**A language that is more orthogonal is usually more \_\_\_\_\_.**

Select correct option:

**Readable**

Writable

Portable

Reliable

Question # 4 of 10 ( Start time: 11:43:10 PM ) Total Marks: 1

**The variable name has profound effect on \_\_\_\_\_.**

Select correct option:

**Readability**

Writability

Orthogonality

Portability

Question # 5 of 10 ( Start time: 11:44:29 PM ) Total Marks: 1

**Following factors influences a portable language design EXCEPT**

Select correct option:

Computer architecture

Readability

**Programmer's time**

Windows XP

Question # 6 of 10 ( Start time: 11:45:29 PM ) Total Marks: 1

**In SONOBOL TABLES can be used in a manner similar to \_\_\_\_\_.**

Select correct option:

**Array**

Pointers

Queue

Struct

Question # 7 of 10 ( Start time: 11:46:26 PM ) Total Marks: 1

**Programming Language is basically a tool for instructing a computer to perform specified set of task.**

Select correct option:

**True**

False

Question # 8 of 10 ( Start time: 11:46:53 PM ) Total Marks: 1

**Initial version of SONOBOL only supports \_\_\_\_\_ and string.**

Select correct option:

Digits

Exponential Numbers

Real Numbers

**Integer**

Question # 9 of 10 ( Start time: 11:47:42 PM ) Total Marks: 1

**COBOL is mainly designed for \_\_\_\_\_.**

Select correct option:

Scientific experiments

**Business application**

AI applications

Publishing and writing algorithm

Question # 10 of 10 ( Start time: 11:48:43 PM ) Total Marks: 1

**Following are imperative languages EXCEPT**

Select correct option:

**LISP**

C

FORTRAN

PASCAL

Question # 1 of 10 ( Start time: 07:16:24 PM ) Total Marks: 1

**Binary operator in SONOBOL must have at least \_\_\_\_\_ spaces on both sides.**

Select correct option:

2

**1**

3

5

Question # 2 of 10 ( Start time: 07:16:55 PM ) Total Marks: 1

**“Everything for everybody” was the motive of the language**

Select correct option:

COBOL

LISP

**PL/I**

JAVA

Question # 3 of 10 ( Start time: 07:17:23 PM ) Total Marks: 1

**\_\_\_\_\_ was the first object oriented language.**

Select correct option:

COBOL

LISP

JAVA

**SIMULA**

Question # 4 of 10 ( Start time: 07:18:11 PM ) Total Marks: 1

COBOL was the first language that brings the concept of \_\_\_\_\_.

Select correct option:

**Records**

Structure

Object

Variable

Question # 5 of 10 ( Start time: 07:19:21 PM ) Total Marks: 1

\_\_\_\_\_ are a type of Aliasing.

Select correct option:

Pointers

Parameters

**Arrays**

Linked List

Question # 6 of 10 ( Start time: 07:20:15 PM ) Total Marks: 1

**A space is used as \_\_\_\_\_ for concatenation.**

Select correct option:

Variable

String

Data Type

**Operator**

Question # 7 of 10 ( Start time: 07:20:30 PM ) Total Marks: 1

Following are some of the reasons for studying concepts related to different programming languages EXCEPT

Select correct option:

Increased ability to learn new languages

**Increased capability to design communication links**

Increased ability to design new languages

Increased capacity to express programming concepts

Question # 8 of 10 ( Start time: 07:21:26 PM ) Total Marks: 1

**COBOL is mainly designed for \_\_\_\_\_.**

Select correct option:

Scientific experiments

**Business application**

AI applications

Publishing and writing algorithm

Question # 9 of 10 ( Start time: 07:21:35 PM ) Total Marks: 1

**The space operator in SNOBOL has \_\_\_\_\_ precedence than arithmetic operators.**

Select correct option:

**Lower**

Higher

Question # 10 of 10 ( Start time: 07:21:52 PM ) Total Marks: 1

Following are object oriented programming languages EXCEPT

Select correct option:

C++

JAVA

**LISP**

C#

Question # 1 of 10 ( Start time: 07:22:45 PM ) Total Marks: 1

**First electronic computer was \_\_\_\_\_**

Select correct option:

**ENIAC**

Baggage Analytical Engine

Intel 386

IBM x86

Question # 2 of 10 ( Start time: 07:23:48 PM ) Total Marks: 1

SNOBOL was designed for \_\_\_\_\_ purpose.

Select correct option:

**String manipulation**

AI

Business

Scientific

Question # 4 of 10 ( Start time: 07:25:24 PM ) Total Marks: 1

**First language that provided the concept of Pointer data type was \_\_\_\_\_.**

Select correct option:

COBOL

LISP

**PL/1**

JAVA

Question # 5 of 10 ( Start time: 07:25:54 PM ) Total Marks: 1

In SONOBOL can the size of the array be determined at run time.

Select correct option:

**Yes**

No

Question # 7 of 10 ( Start time: 07:27:28 PM ) Total Marks: 1

**SIZE function in SONOBOL language is used to return the size of \_\_\_\_\_**

Select correct option:

**String**

Operator

Variable

Keyword

Question # 9 of 10 ( Start time: 07:29:11 PM ) Total Marks: 1

PROLOG represent \_\_\_\_\_ paradigm.

Select correct option:

**Declarative**

Formal

Functional

Algorithmic

Question # 10 of 10 ( Start time: 07:29:53 PM ) Total Marks: 1

**SONOBOL is case \_\_\_\_\_**

Select correct option:

Sensitive

**In- Sensitive**

Super-Sensitive

Not- Sensitive

Question # 1 of 10 ( Start time: 07:33:52 PM ) Total Marks: 1

If a language provides a feature of referencing a variable in more than one way then we say that the language provides \_\_\_\_\_.

Select correct option:

**Aliasing**

Data Mining

Orthogonality

Reliability

sec(s)

Question # 2 of 10 ( Start time: 07:35:07 PM ) Total Marks: 1

For immediate value assignment \_\_\_\_\_ sign is used.

Select correct option:

%

&

**\$**

\*

Question # 6 of 10 ( Start time: 07:36:44 PM ) Total Marks: 1

Pattern . Variable Upon successful completion of pattern matching, the substring matched by the pattern is assigned to the variable as \_\_\_\_\_

Select correct option:

**Value**

String

Integer

Real numbers

Question # 10 of 10 ( Start time: 07:38:56 PM ) Total Marks: 1

Indirect referencing in SONOBOL is same as of \_\_\_\_\_ in C.

Select correct option:

Arrays

**Pointers**

Aliasing

Stack

Question # 1 of 10 ( Start time: 07:40:28 PM ) Total Marks: 1

The declarative language among the following is

Select correct option:

C

**PROLOG**

PASCAL

C++

Question # 2 of 10 ( Start time: 07:40:58 PM ) Total Marks: 1

A language that is more orthogonal is usually more \_\_\_\_\_.

Select correct option:

**Readable**

Writable

Portable

Reliable

Question # 3 of 10 ( Start time: 07:41:46 PM ) Total Marks: 1

Learning the implementation details of a language helps in the efficient use of that language.

Select correct option:

**True**

False

Question # 4 of 10 ( Start time: 07:41:59 PM ) Total Marks: 1

First language that provided the concept of Pointer data type was \_\_\_\_\_.

Select correct option:

COBOL

LISP

**PL/1**

JAVA

Question # 6 of 10 ( Start time: 07:42:41 PM ) Total Marks: 1

Too much Orthogonality reduces Readability.

Select correct option:

True

**False**

Question # 10 of 10 ( Start time: 07:45:24 PM ) Total Marks: 1

In SONOBOL 2 spaces can be used, the purpose of 1st space is for \_\_\_\_\_ and 2nd for

Select correct option:

**Pattern matching, String Concatenation**

String concatenation, Pattern matching

Question # 2 of 10 ( Start time: 07:55:19 PM ) Total Marks: 1

Too much simplicity in language design can also cause problems.

Select correct option:

True

**False**

Question # 3 of 10 ( Start time: 07:55:48 PM ) Total Marks: 1

Computer architecture has a major influence on the design of programming language.

Select correct option:

**True**

False

Question # 4 of 10 ( Start time: 07:56:19 PM ) Total Marks: 1

The more is the Simplicity of a language, the more it will always be readable.

Select correct option:

**True**

False

Question # 5 of 10 ( Start time: 07:57:15 PM ) Total Marks: 1

\_\_\_\_\_ was considered good for describing algorithms.

Select correct option:

FORTRAN

**ALGOL**

LISP

Ada

Question # 9 of 10 ( Start time: 07:59:54 PM) Total Marks: 1

Indirect referencing in SONOBOL is same as of \_\_\_\_\_ in C.

Select correct option:

Arrays

**Pointers**

Aliasing

Stack

Question # 10 of 10 ( Start time: 08:01:17 PM) Total Marks: 1

PROLOG represent \_\_\_\_\_ paradigm.

Select correct option:

**Declarative**

Formal

Functional

Algorithmic

Following is the correct structure of a "block" in Ada.

Options

```
declare -- declare section optional statements begin declarations exception --  
exception section optional handlers end;
```

```
declare -- declare section optional declarations begin statements exception  
exception section optional handlers end;
```

```
declare -- declare section optional statements begin declarations handlers --  
exception section optional end;
```

```
declare -- declare section optional statements begin statement exception -- exception  
section optional handlers end;
```

3) We can have nested procedures in \_\_\_\_\_ language.

Options

C++

**Ada**

C

Prolog

4)\_\_\_\_\_ is used to give comments in Ada language

Options

1)/\*

2)\*/

3)//

**4)--**

5)Ada is a \_\_\_\_\_ language

Options

1)Typed

**2)Strongly Typed**

3)weakly typed

4)Non typed

7)In LISP, \_\_\_\_\_ is the main tool used for iteration.

Options

**1)Recursion**

2)For Loop

3)While Loop

4)Do-While Loop

8)Following statement returns the union of the two list in LISP.

Options

1)>(L1 UNION L2)

**2)>(union L1 L2)**

3)>Union L1

4)>(L1 union L2)

9)One of the major design goals of Ada was

Options

to make it difficult for developers to make mistakes

to help developers to code the software in lesser time

**to help develop an IDE for Ada**

to make testers to test Ada application easily

10) In \_\_\_\_\_, Enumeration type can also be used as indexes in arrays

Options

Ada\

**C**

C++

Lisp

Question # 1 of 10 ( Start time: 10:36:28 PM ) Total Marks: 1

Block statement in Ada is very different to a block in C.

Select correct option:

True

**False**

Question # 2 of 10 ( Start time: 10:36:56 PM ) Total Marks: 1

It is always better to find out the mistakes in the code at \_\_\_\_\_.

Select correct option:

**Compile time**

Link time

Run time

None of the given options

Question # 3 of 10 ( Start time: 10:38:04 PM ) Total Marks: 1

Question # 4 of 10 ( Start time: 10:38:30 PM ) Total Marks: 1

\_\_\_\_\_ represents the class of languages from functional paradigm.

Select correct option:

**LISP**

PROLOG

Ada

C++

Question # 6 of 10 ( Start time: 10:40:20 PM ) Total Marks: 1

\_\_\_\_\_ is an important feature of Ada language used in embedded systems and operating systems. It is used in managing parallel threads of controls.

Select correct option:

Packages

Controls

## Tasking

Classes

Question # 8 of 10 ( Start time: 10:41:45 PM ) Total Marks: 1

The \_\_\_\_\_ of while loop in Ada is same as in C.

Select correct option:

Syntax

**Semantics**

Algorithm

Question # 9 of 10 ( Start time: 10:42:55 PM ) Total Marks: 1

The main design goals of Ada were EXCEPT

Select correct option:

Program reliability and maintenance

**Design language for DoD**

Programming is a human activity therefore avoid unintentional mistakes

Designing a portable language

Question # 10 of 10 ( Start time: 10:43:42 PM ) Total Marks: 1

Lists can be constructed with the help of three basic functions which are \_\_\_\_\_.

Select correct option:

scheme, common lisp and cons

cons, append and scheme

**cons, list and append**

list, atoms and append

Question # 3 of 10 ( Start time: 10:44:51 PM ) Total Marks: 1

\_\_\_\_\_ helps in creating types of your own choice even numeric types can be created.

Select correct option:

**Ada**

LISP

FORTRAN

PROLOG

Question # 4 of 10 ( Start time: 10:45:32 PM ) Total Marks: 1

Two important versions of LISP are \_\_\_\_\_.

Select correct option:

Scheme and Atoms

### **Scheme and Common Lisp**

Common Lisp and defacto

List and Common Lisp

Question # 10 of 10 ( Start time: 10:46:18 PM ) Total Marks: 1

Block statement in Ada is very different to a block in C.

Select correct option:

True

**False**

Question # 1 of 10 ( Start time: 10:47:55 PM ) Total Marks: 1

Following is the correct syntax of 'for' statement in Ada.

Select correct option:

**for variable in low\_value .. high\_value loop -- Loop body goes here end loop;**

for variable in low\_value .. high\_value loop -- Loop body goes here end;

begin; for variable in low\_value .. high\_value loop -- Loop body goes here end loop;

begin loop; for variable in low\_value .. high\_value loop -- Loop body goes here end loop;

Question # 3 of 10 ( Start time: 10:49:35 PM ) Total Marks: 1

A concept similar to Classes in Ada is called \_\_\_\_\_.

Select correct option:

**Packages**

Structures

Controls

Abstract Data type

Question # 5 of 10 ( Start time: 10:50:37 PM ) Total Marks: 1

Indexes of arrays in Ada DO NOT starts from

Select correct option:

**0**

1

2

3

Question # 9 of 10 ( Start time: 10:53:57 PM ) Total Marks: 1

In LISP, following statement returns the difference of the two lists.

Select correct option:

(Difference L1 L2)

**(set-difference L1 L2)**

(L1 Difference L2)

(L1 difference L2)

Question # 10 of 10 ( Start time: 10:54:15 PM ) Total Marks: 1

Question # 2 of 10 ( Start time: 10:54:47 PM ) Total Marks: 1

Ada DO NOT support post test loop like do-while loop.

Select correct option:

**True**

False

\_\_\_\_\_ program has two types of elements: atoms and lists.

Select correct option:

**LISP**

PROLOG

Ada

C++