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**P.G.D.C.A. (Semester – I) Examination, 2015
FUNDAMENTALS OF COMPUTER AND INFORMATION
TECHNOLOGY (Paper – 1)**

Day and Date : Wednesday, 15-4-2015
Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 70

- Instructions :** 1) Q. 1 and Q. 7 are **compulsory**.
2) Attempt **any two** questions from Q. No. 2, 3 and 4.
3) Attempt **any one** question from Q. No. 5 and 6.
4) Figures to the **right** indicate **full** marks.

1. Choose the single correct alternative : 14
- 1) _____ an example input device.
a) Light Pen b) Joystick c) Mouse d) All of these
 - 2) Hexadecimal number system has _____ base.
a) 8 b) 2 c) 10 d) 16
 - 3) LED is a type of _____
a) Printer b) Monitor c) SMPS d) Keyboard
 - 4) RAM is a temporary memory.
a) True b) False
 - 5) _____ not a function of operating system.
a) Memory Management b) Input-output Management
c) Power Management d) File Management
 - 6) _____ converts high level language code into machine code.
a) Compiler b) Interpreter c) Both a) and b) d) None of these
 - 7) The scope of WAN is _____
a) Limited to a building b) Limited in between two cities
c) Limited in two countries d) Global
 - 8) Virus not damages our computer data.
a) True b) False
 - 9) _____ is an extremely fast, small memory between CPU and main memory.
a) Cache Memory b) RAM
c) ROM d) None of these



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PGDCA (Semester – I) Examination, 2015
INTRODUCTION TO A/C PACKAGE AND MS-OFFICE (Paper – II)

Day and Date : Thursday, 16-4-2015

Max. Marks : 80

Time : 11.00 a.m. to 2.00 p.m.

Instructions : 1) Q. 1 and Q. 7 are ***compulsory***.

2) Solve ***any two*** questions from Q. No. 2, 3 and 4.

3) Solve ***any one*** question between Q. 5 and Q. 6.

4) Figures to the ***right*** indicate ***full*** marks.

1. A) Choose the single correct alternative :

8

1) Which of the following is not font style ?

a) Bold

b) Italics

c) Superscript

d) Regular

2) In MS-Word _____ shortcut key is used to repeat typing.

a) Ctrl + y

b) Alt + y

c) Shift + z

d) Ctrl + z

3) To print worksheet in MS-Excel _____ shortcut key is used.

a) Alt + P

b) Ctrl + P

c) Shift + P

d) Ctrl + F

4) Value of machinery comes under the primary group of _____

a) Capital account

b) Current account

c) Investment

d) Fixed asset

5) _____ shortcut key is used for save a file in MS-Word.

a) Ctrl + S

b) Alt + S

c) Shift + S

d) None of these

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6) Total amount invested by the proprietor into the business is called as

- a) Capital
c) Assets

- b) Investment
d) Cost

7) When you need to check the spelling and grammar in your document
_____ key is used.

- a) F1 b) F7 c) F10 d) F5

8) _____ shortcut key is used to register tally.

- a) Alt + y b) Shift + y c) Alt + x d) F2

B) State **True** or **False** :

8

- 1) In Tally, 'Ctrl + F9' shortcut key is used for select debit note voucher.
- 2) In MS-Word 'Ctrl + V' shortcut key is used for past the word or paragraphs.
- 3) .ppt is extension of power point file.
- 4) In Tally, button bar provides quick access to different options.
- 5) MS-Office is system software.
- 6) In Tally, vouchers are used for recording day-to-day transactions.
- 7) In MS-Word, Ctrl+F shortcut key is used for a find a word.
- 8) Calculator pane is display on right hand side of main window of Tally.

2. A) Explain different types of vouchers. 6
- B) What are the different page views and layout of documents ? 6
- C) Which types of alignments are used in word processor ? 4
3. A) Explain the paragraph and page formatting in detail. 6
- B) Explain any five statistical functions of MS-Excel. 6
- C) Write on :Company information menu. 4



- 4. A) What are features of Tally ? 6
 - B) Explain different chart types of MS-Excel. 6
 - C) Write down following shortcuts : 4
 - 1) Cut 2) Copy
 - 3) Paste 4) Bold.
 - 5. A) Explain role of computer in Accounting. 8
 - B) What is Trial Balance ? Explain in detail. 8
 - 6. A) What is Accounting ? Explain its types. 8
 - B) Explain different steps, while creating chart in MS-Excel. 8
 - 7. Write notes on **(any four)** : 16
 - 1) Debtor
 - 2) Wizards and Templates
 - 3) Rules of Accounting
 - 4) Text Attributes
 - 5) Gateway of Tally.
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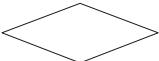
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**Post Graduate Diploma in Computer Application (Semester – I)
Examination, 2015
SYSTEM ANALYSIS AND DESIGN WITH C-PROGRAMMING (Paper – III)**

Day and Date : Friday, 17-4-2015
Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 70

- Instructions :** 1) Q. 1 and Q. 7 are **compulsory**.
2) Attempt **any two** questions from Q. 2, 3 and 4.
3) Attempt **any one** question between Q. 5 and Q. 6.
4) Figures to the **right** indicate **full** marks.

1. A) Choose correct alternatives : 7
- i) EIS means
 - a) Expert Information System
 - b) Executive Information System
 - c) Energy Information System
 - d) None of these
 - ii) _____ is a tool of data dictionary.
 - a) DFD
 - b) Data mining
 - c) Data warehouse
 - d) None of these
 - iii) Processed Fact is called _____
 - a) Data
 - b) Information
 - c) Item
 - d) None of these
 - iv) _____ is the elements of system.
 - a) Output
 - b) Money
 - c) Plans
 - d) Information
 - v) _____ is a Technical skills.
 - a) Creativity
 - b) Selling
 - c) Motivation
 - d) Teaching
 - vi)  is a flowchart symbol.
 - a) Punched Card
 - b) Document
 - c) Sorting
 - d) Decision
 - vii) DFD stands for _____
 - a) Data Flow Diagram
 - b) Data Fix Diagram
 - c) Data Fast Diagram
 - d) None of these



- B) Answer **one** sentence : 7
- 1) Long form of ERD.
 - 2) What is mean by function ?
 - 3) Who is developed in C-Language ?
 - 4) What is mean by compiler ?
 - 5) Long form of MIS.
 - 6) What is mean by Program ?
 - 7) What is mean by life cycle ?
2. a) Explain the characteristics of system. 5
- b) Explain Business Model System. 5
- c) Write down C Language. 4
3. a) What is mean by flow charts ? Draw a symbols of flowchart and explain. 5
- b) Differentiate between while and do.... while. 5
- c) Explain the operator. 4
4. a) Explain the elements of “C” language. 5
- b) What is mean by Array ? Explain the types of Array. 5
- c) Explain entity relationship diagram. 4
5. a) What is meant by system ? Explain the types of system. 7
- b) Write a C program to print the following output on the screen. 7
- ```

5 4 3 2 1
4 3 2 1
3 2 1
2 1
1

```
6. a) Explain the control statement in C language. 7
- b) Explain the role of system analyst. 7
7. Write a short note on : 14
- a) Hardware and software requirement
  - b) System concept
  - c) Information system
  - d) User defined functions.
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**P.G.D.C.A. (Semester – I) Examination, 2015  
WEB PROGRAMMING WITH PHP (Paper – IV)**

Day and Date : Saturday, 18-4-2015  
Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 70

- Instructions :** 1) Q. 1 and Q.7 are **compulsory**.  
2) Attempt **any two** questions from Q. No. 2, 3 and 4.  
3) Attempt **any one** question between Q. 5 and Q. 6.  
4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternative : 7
- 1) \_\_\_\_\_ is a server side scripting language, and is a powerful tool for making dynamic and interactive Web pages quickly.  
a) C b) PHP  
c) C++ d) Both a) and c)
  - 2) \_\_\_\_\_ is default extension for PHP files.  
a) .php b) .txt  
c) .ppt d) .gif
  - 3) A variable starts with the \_\_\_\_\_ sign, followed by the name of the variable.  
a) # b) \$  
c) @ d) &
  - 4) Which of the following function returns the number of characters in a string variable ?  
a) count(\$variable) b) len(\$variable)  
c) strcount(\$variable) d) strlen(\$variable)
  - 5) A user defined function declaration starts with the word \_\_\_\_\_  
a) start b) new  
c) create d) function







5. A) Explain the if-else statement with syntax and suitable example. 7  
B) Write a program to print the following output. 7
- ```
$  
$ $  
$ $ $  
$ $ $ $  
$ $ $ $ $
```
6. A) What is PHP ? Explain its needs and advantages. 7
B) Write a program to accept three numbers and find out largest number among three numbers. 7
7. Note on (**any four**) : 14
- A) Operators
 - B) While statement with example
 - C) ODBC connection
 - D) Working with web server
 - E) Browser.
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**P.G.D.C.A. (Semester – II) Examination, 2015
DBMS AND RDBMS USING ORACLE (Paper – VII)**

Day and Date : Wednesday, 15-4-2015
Time : 3.00 p.m. to 6.00 p.m.

Total Marks : 80

- Instructions :** 1) Q. 1 and Q. 7 are **compulsory**.
2) Attempt **any two** questions from Q. No. 2, 3 and 4.
3) Attempt **any one** question from Q. No. 5 and 6.
4) Figures to the **right** indicate **full** marks.

1. A) Choose the single correct alternative : **12**
- 1) _____ is a technique that decomposes data into two-dimensional tables.
- a) Normalization b) Sub Query
c) DBMS d) None of these
- 2) _____ is a non procedural language.
- a) SEQUEL b) PL/SQL
c) SQL d) None of these
- 3) The _____ constraint can only be applied at column level.
- a) Primary Key b) Foreign Key
c) Unique d) Not Null
- 4) There is no difference between VARCHAR and VARCHAR2.
- a) True b) False
- 5) LENGTH() is _____ type of function.
- a) Numeric b) String
c) Conversion d) Both a) and b)
- 6) A _____ is a form of an SQL statement that appears inside another SQL statement.
- a) PL/SQL b) Join
c) View d) Sub query



- 7) Privileges once given can be taken by the owner of the object by using _____ command.
 - a) REMOVE
 - b) DROP
 - c) DELETE
 - d) REVOKE
- 8) The fetch statement is placed inside Loop _____ End Loop construct.
 - a) True
 - b) False
- 9) _____ is iterative control structure(s) in PL/SQL.
 - a) If..Then...else...end if.
 - b) goto
 - c) for
 - d) All of these
- 10) A _____ is a numeric value or a character string used to represent itself.
 - a) variable
 - b) function
 - c) data type
 - d) literal
- 11) _____ clause is used to retrieve records in ascending or descending order from a table.
 - a) Revoke
 - b) Select
 - c) Distinct
 - d) Order By
- 12) Database triggers decreases database security.
 - a) True
 - b) False

B) Give the full forms of the following :

4

- 1) DBA
- 2) PL/SQL
- 3) DML
- 4) 3NF



2. a) What is oracle ? Write on 'Historical Development of Oracle'. **6**
 - b) Explain 'Functional Dependencies'. **6**
 - c) Write a PL/SQL code block to accept and insert data into the table 'employee' having the columns emp_no, name, joining_date and salary. **4**
 3. a) What are the 'integrity constraints' ? Explain with suitable example. **6**
 - b) Discuss on 'Conversion Functions'. **6**
 - c) What is the nesting of sub queries ? Explain with example. **4**
 4. Write short notes on the following : **16**
 - 1) Comparison operators
 - 2) RDBMS
 - 3) Implicit Cursor
 - 4) Privileges.
 5. a) Write a PL/SQL code block to implement Explicit Cursor. **8**
 - b) Differentiate between SQL and PL/SQL. **8**
 6. a) What is the role and responsibilities of oracle DBA ? **8**
 - b) Explain 'Classification of SQL Commands'. **8**
 7. a) What are the Dr. E. F. Codd's Rules ? **8**
 - b) Explain PL/SQL code block structure with syntax and suitable example. **8**
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**P.G.D.C.A. (Semester – II) Examination, 2015
ASP.NET USING C# (Paper – 8)**

Day and Date : Thursday, 16-4-2015
Time : 3.00 p.m. to 6.00 p.m.

Total Marks : 80

- Instructions :** 1) Q. 1. and Q. 7 are **compulsory**.
2) Attempt **any two** questions from Q. No. 2, 3 and 4.
3) Attempt **any one** question from Q. No. 5 and 6.
4) Figures to the **right** indicate **full** marks.

1. Choose the single correct alternative :

16

- 1) IIS stands for _____
 - a) Internet Information Server
 - b) Integrated Information Server
 - c) Internet Integrated Server
 - d) None of these
- 2) In C #, a local variable _____
 - a) can be used anywhere in the program
 - b) is declared within a method
 - c) must accept a class
 - d) represent a class object
- 3) What is the last stage of the web forms life cycle ?
 - a) Event Handling
 - b) Page_Load()
 - c) Validate
 - d) Page_Unload()
- 4) C # is Object Oriented Programming Language.
 - a) True
 - b) False
- 5) How do you explicitly kill a user's session ?
 - a) Session.close()
 - b) Session.Discard()
 - c) Session.Abandon()
 - d) Session.End()



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| 2. a) What is ASP.NET ? Explain the features of ASP.NET. | 6 |
| b) Explain the various Data types used in C#. | 6 |
| c) Write on Internet Information Server. | 4 |
| 3. a) What is CSS in ASP.NET ? Compare CSS with HTML. | 6 |
| b) What is Master Page ? Explain Nested Master Pages. | 6 |
| c) What are the cookies ? | 4 |
| 4. Write short notes on the following : | 16 |
| 1) Arrays in C# | |
| 2) Namespaces | |
| 3) Data Readers | |
| 4) .Net Framework. | |
| 5. a) Explain Classes and Objects. | 8 |
| b) Discuss on State Management. | 8 |
| 6. a) Explain the Visual Studio IDE. | 8 |
| b) Explain Looping statements in C#. | 8 |
| 7. a) Write on 'ADO.NET'. | 8 |
| b) What are the HTML controls ? Explain. | 8 |
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P.G.D.C.A. (Semester – II) Examination, 2015
JAVA PROGRAMMING (Paper – IX)

Day and Date : Friday, 17-4-2015
Time : 3.00 p.m. to 6.00 p.m.

Total Marks : 80

- Instructions :** 1) Q. No. 1 and Q. No. 7 are **compulsory**.
2) Attempt **any two** questions from Q. No. 2, 3 and 4.
3) Attempt **any one** question from Q. No. 5 and 6.
4) Figures to the **right** indicate **full** marks.

1. Choose correct alternatives :

16

- 1) _____ keyword is used to invoke the current object.
A) New B) This C) That D) Me
- 2) Method overloading is one of the way that Java supports _____
A) Encapsulation B) Class C) Inheritance D) Polymorphism
- 3) Java support RMI. What does this RMI stands for ?
A) Random Memory Interface B) Remote Method Invocation
C) Random Method Invocation D) Remote Memory Interface
- 4) What is the default return type of main() _____
A) void B) double C) float D) int
- 5) Using which keyword we can access value of the instance variables and class variables of that class inside the method of that class itself.
A) super B) final
C) this D) either super or this
- 6) If a variable is declared final, it must include _____ value.
A) integer B) no C) initial D) float



- 7) Each method in a java class must have a unique name.
A) Not necessary B) True
C) False D) None of the above
- 8) Java programs are
A) Faster than others B) Platform independent
C) Not reusable D) Not scalable
- 9) Java has its origin in
A) C programming language B) PERRL
C) COBOL D) Oak programming language
- 10) The command javac is used to
A) Debug a java program B) Compile a java program
C) Interpret a java program D) Execute a java program
- 11) The JDBC-ODBC bridge allows _____ to be used as _____
A) JDBC drivers, ODBC drivers B) Drivers, Application
C) ODBC drivers, JDBC drivers D) Application, drivers
- 12) Which of the following is not the java primitive type ?
A) Byte B) Float C) Character D) Long double
- 13) Which of the following is not mandatory in variable declaration ?
A) A semicolon B) An identifier
C) An assignment D) A data type
- 14) Prepared statement object in JDBC used to execute _____ queries.
A) Executable B) Simple C) High level D) Parameterized
- 15) Overloaded methods are differentiated by
A) Number of arguments
B) Data type of arguments
C) Number and the data type of the arguments
D) None of the above
- 16) Which keyword is used to inherit class ?
A) inherit B) extends C) inheritance D) extend



- 2. a) Explain features of Java. **8**
 - b) What is an array ? Explain with suitable example. **8**
 - 3. a) What is byte code ? Explain Java Virtual Machine with suitable diagram. **8**
 - b) Explain try-catch block with suitable example. **8**
 - 4. a) Write an oop program to find given number is Armstrong or not. **8**
 - b) Write a program to print the series 0, 1, 1, 2, 3, 5, 8. **8**
 - 5. a) What is an AWT ? Explain event handling in Applet. **8**
 - b) What is Abstract class ? Explain with suitable example. **8**
 - 6. a) Explain decision making statement with suitable example. **8**
 - b) Write a program to input value of 3 by 3 metrics and print. **8**
 - 7. Write short notes on the following : **16**
 - a) Data types in java
 - b) Inheritance
 - c) Methods in java
 - d) Applet life cycle.
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