Seat No.	

P.G.D.C.A. (Semester - I) (CBCS) Examination Oct/Nov-2017
FUNDAMENTALS OF COMPUTER AND INFORMATION TECHNOLOGY

Day & Date: Saturday, 25-11-2017   Max. Marks: 70
Time: 10.30 AM to 01.00 PM

Instructions: 1) All questions are compulsory.
         2) Figures to the right indicate full marks.

Q.1 Choose the correct alternative.   **14**

1) Who is the father of computer science?
   a) Allen Turing
   b) Charles Babbage
   c) Simur Cray
   d) Augusta Adaming

2) What is a light pen?
   a) A mechanical input device
   b) Optical input device
   c) Electronic input device
   d) Optical output device

3) Which of the following is a part of the Central Processing Unit?
   a) Printer
   b) Keyboard
   c) Mouse
   d) Arithmetic & Logic Unit

4) A computer cannot 'boot' if it does not have the_____.
   a) Complier
   b) Loader
   c) Operating system
   d) Assembler

5) Where are data and program stored when the processor uses them?
   a) Main memory
   b) Secondary memory
   c) Disk memory
   d) Program memory

6) Which of the following is a storage device?
   a) Tape
   b) Hard Disk
   c) Floppy Disk
   d) All of the above

7) BCD is _____.
   a) Binary Coded Decimal
   b) Bit Coded Decimal
   c) Binary Coded Digit
   d) Bit Coded Digit

8) 1 byte =?
   a) 8 bits
   b) 4 bits
   c) 2 bits`
   d) 9 bits

9) Select the odd one-
   a) Operating System
   b) Interpreter
   c) Compiler
   d) Assembler

10) Which of the following is a network topology.
    a) LAN
    b) WAN
    c) MAN
    d) BUS

11) PARAM is an example of :
    a) Super Computer
    b) PC
    c) Laptop
    d) PDA

12) Which of the following is/are operating systems?
    a) Windows   b) Unix
    c) OS/2   d) All of these

13) _____ are used for plotting graphs and design on papers.
    a) Trackball   b) Joystick
    c) Light Pen   d) Plotters

14) _____ printer is a non – impact printer and is quite in working.
    a) Inkjet   b) laser
    c) thermal   d) dot Matrix

Q.2	**a)** What is computer? What are it's characteristics?	**07**
	b) What is number system? Explain binary and decimal number system.	**07**
Q.3	**a)** Explain keyboard and Scanner.	**07**
	b) What is semiconductor memory? Explain RAM and ROM with difference.	**07**
Q.4	**a)** What is networking? Explain different network topologies in detail.	**14**

<div align="center">OR</div>

Q.4 b) Convert the following-   **14**
    1) $(1010)_2 = (?)_{10}$
    2) $(210)_{10} = (?)_2$
    3) $(710)_8 = (?)_{10}$
    4) $(150)_{10} = (?)_{16}$
    5) $(AB)_{16} = (?)_{10}$

Q.5 a) What is internet? Explain Email and Computer viruses.   **14**

<div align="center">OR</div>

b) Explain evolution and generations of computer.   **14**

Seat No.	

P.G.D.C.A. (Semester - I) (CBCS) Examination Oct/Nov-2017
INTRODUCTION TO ACCOUNTING PACKAGE AND MS-OFFICE

Day & Date: Monday, 27-11-2017   Max. Marks: 70
Time: 10.30 AM to 01.00 PM

Instructions: 1) All questions are compulsory.
            2) Figures to the right indicate full marks.

Q.1   **Choose the correct alternatives:**   **07**

1) What is the smallest and largest font size available in Font Size tool on formatting toolbar?
   a) 8 and 72   b) 8 and 68
   c) 6 and 72   d) 6 and 68

2) Selecting text means, selecting?
   a) A word   b) An entire sentence
   c) Whole document   d) Any of the above

3) You can activate a cell by
   a) Pressing the Tab Key   b) Clicking the cell
   c) Pressing an arrow Key   d) All of above

4) To insert three columns between columns D and E you would_____.
   a) Select column D   b) Select column E
   c) Select column E, F and G   d) Select column D, E, and F

5) You can use the horizontal and vertical scroll bars to_____.
   a) Split a worksheet into two panes.
   b) View different rows and columns
   c) Edit the contents of a cell
   d) View different worksheets

6) Which tab is not available on left panel when you open a presentation?
   a) Outline   b) Slides
   c) Notes   d) All of the above are available

7) To start Microsoft PowerPoint application.
   a) Click on Start >> Programs >> All Programs >> Microsoft PowerPoint.
   b) Hit Ctrl + R then type ppoint.exe and Enter.
   c) Click Start >> Run then type powerpoint then press Enter
   d) All of the above

B)   **Fill in the blanks.**   **07**

1) Tally package is developed by Tally_____.
2) The Shortcut Key to quit from tally is_____.
3) On the key board _____ key should be pressed to start a new paragraph in MS-Word.
4) _____ correct helps to reduce spelling error in the document.
5) When you insert an Excel file into a Word document, the data are placed in word_____.
6) Excel can produce_____ charts, line graphs and pie charts 7.
7) A function inside another function is called a _____ function.

Q.2	**a)**	What is accounting? Write the difference between Manual and Computerized accounting.	**07**
	b)	What is Tally? Write features of Tally.	**07**
Q.3	**a)**	What is Ms word? Write the importance of Ms Word.	**07**
	b)	Explain the different page views in MS Word with suitable diagram.	**07**
Q.4	**a)**	Explain all options of indent and spacing in paragraph setting.	**14**

<div align="center">**OR**</div>

| | **b)** | Explain all options of font dialog box. | **14** |
| **Q.5** | **a)** | What is Spread Sheet? Explain any 10Functions in Excel. | **14** |

<div align="center">**OR**</div>

| | **b)** | What is power point Software? Explain the uses of Power Point and Explain Animation dialog box. | **14** |

Seat No.	

P.G.D.C.A. (Semester - I) (CBCS) Examination Oct/Nov-2017
SOFTWARE ENGINEERING WITH 'C' PROGRAMMING

Day & Date: Tuesday,28-11-2017   Max. Marks: 70
Time: 10.30 AM to 01.00 PM

Instructions: 1) All questions are compulsory.
         2) Figures to the right indicate full marks.

Q.1 Choose the correct alternatives: **14**

1) _____ is an important factor of management information system.
   - a) System
   - b) Data
   - c) Process
   - d) All of these

2) In the requirement analysis which model depicts the information domain for the problem?
   - a) Data models
   - b) Class-oriented models
   - c) Scenario-based models
   - d) Flow –oriented models

3) SRS stands for _____.
   - a) Software Refining Solution
   - b) Software Resource Source
   - c) Software Requirement Specification
   - d) None of these

4) Which one is not a common fact-finding technique?
   - a) Prototyping
   - b) Interviews
   - c) Research and site visits
   - d) Reverse engineering

5) User acceptance testing is _____.
   - a) White box testing
   - b) Black box testing
   - c) Gray box testing
   - d) None of these

6) System testing only deals with functions requirements.
   - a) True
   - b) False

7) Who is responsible for component testing?
   - a) Software tester
   - b) Designer
   - c) User
   - d) Developer

8) Which of the following special symbol allowed in a variable name?
   - a) * (asterisk)
   - b) I (pipeline)
   - c) – (hypen)
   - d) _ (underscore)

9) Which of the following is not logical operator?
   - a) &
   - b) &&
   - c) II
   - d) !

10) The keyword used to transfer control from a function back to the calling function is _____.
    - a) Switch
    - b) Goto
    - c) Go back
    - d) Return

11) A function cannot be defined inside another function.
   a) True   b) False

12) What does the following declaration mean?
       int (*ptr) [10];
   a) ptr is array of pointers to 10 integers.
   b) ptr is a pointer to an array of 10 integers.
   c) ptr is an array of 10 integers.
   d) ptr is an pointer to array

13) Which of the following function is more appropriate for reading a multi-word string?
   a) Printf()   b) Scanf()
   c) Gets()   d) Puts()

14) Which of the following correctly shows the hierarchy of arithmetic operators in 'C'?
   a) / + * -   b) * - / +
   c) + - / *   d) / * + -

Q.2 **a)** Explain the role of System Analyst.   **07**
    b) Write a program in 'C' to check the given number is prime or not.   **07**

Q.3 **a)** Explain System Development Life Cycle.   **07**
    b) What is the function of operator? Explain logical operators.   **07**

Q.4 **a)** Why software testing is necessary? Explain different types of software testing in detail.   **14**
<div align="center">**OR**</div>

    b) Explain in detail different iterative control statements in 'C'.   **14**

Q.5 **a)** What is array? What are the types of array? Explain array of structure.   **14**
<div align="center">**OR**</div>

    b) Write a menu driven program to print addition, subtraction, multiplication & division of two numbers. (use switch statement)   **14**

Seat No.	

P.G.D.C.A. (Semester - I) (CBCS) Examination Oct/Nov-2017
WEB PROGRAMMING WITH PHP

Day & Date: Wednesday, 29-11-2017   Max. Marks: 70
Time: 10.30 AM to 01.00 PM

Instructions: 1) All questions are compulsory.
            2) Figures to the right indicate full marks.

Q.1   **Choose the correct alternative.**   **14**

1) Who is the father of PHP?
   a) Rasmus Lerdorf   b) William Make Piece
   c) Drek kolkevi   d) List Barely

2) Which version of PHP introduced try/catch exception?
   a) PHP 4   b) PHP 5
   c) PHP 5.3   d) PHP 6

3) Which one of the following PHP functions can be used to find files?
   a) glob()   b) file()
   c) fold()   d) get_file()

4) PHP's numerically indexed array begin with position_____.
   a) 1   b) 2
   c) 0   d) -1

5) In PHP variable name always starts with _____.
   a) Euro-sign   b) Dollar Sign
   c) Pond Sign   d) Yen-Sign

6) PHP is open source software.
   a) True   b) False

7) PHP runs on different platform (Windows, Linux, Unix etc.)
   a) True   b) False

8) There are three different kind of arrays in PHP:
   a) Numeric array, String array, Multidimensional array.
   b) Const array, Associative array, Multidimensional array.
   c) Numeric array, Associative array, Multidimensional array.
   d) Numeric array, Associative array, Dimensional array.

9) In PHP in order to access My SQL database you will use:
   a) Mysqiconnect() function   b) Sql_connect() function
   c) Mysql_connect() function   d) Connect_mysql() function

10) Which of the following is not valid PHP code?
   a) $_10   b) ${"myvar"}
   c) $something   d) $10_something

rt m) function can design the output to a string variable?
a) echo() b) printf()
c) sprintf() d) print()

Q.2 a) What is PHP? Explain different control statements in PHP. **07**
b) Write a program in PHP to check the given number is armstrong or not. **07**

Q.3 a) What is HTML? Explain structure and basic types of HTML. **07**
b) What is array? Explain types of array. **07**

Q.4 a) What is MySQL? Explain data types and database connectivity in PHP. **14**
OR
b) Why open sources are necessary? Explain History, advantages and structure of PHP program.

Q.5 a) Explain in detail "Functions in PHP". **14**

b) What is web server? Explain in detail "Configuring and using Apache web services".

Page **2** of **2**

Seat No.

P.G.D.C.A. (Semester - I) (CBCS) Examination Oct/Nov-2017
COMMUNICATION SKILLS

Day & Date: Thursday, 30-11-2017   Max. Marks: 70
Time: 10.30 AM to 01.00 PM

Instructions: 1) All questions are compulsory.
              2) Figures to the right indicate full marks.

Q.1   Choose the correct alternatives: **14**

1) _____ communication follows no set lines, nor any definite rules.
   a) Horizontal   b) Grapevine
   c) Upward   d) Downward

2) The media through which the message is sent called as _____.
   a) Channel   b) Message
   c) Feedback   d) Sender

3) _____ communication is bound to certain rules and principles.
   a) External   b) Formal
   c) Informal   d) Verbal

4) The Study of voice quality, volume and speech rate involves_____.
   a) Touch   b) Postures
   c) Gestures   d) Paralanguage

5) Receiver's sense of hearing is addressed by _____ signs.
   a) Video   b) Audio
   c) Visual   d) None of these

6) The distance between sender and receiver acts as _____ barriers.
   a) Physical   b) Cultural
   c) Semantic   d) Psychological

7) _____ is the focused conversation with specific purpose mentioned in its agenda.
   a) Notice   b) Agenda
   c) Meeting   d) Minutes

8) The literal meaning of words is called as _____ meaning.
   a) Connotative   b) Denotative
   c) Bypassed   d) Interpretative

9) _____ communication follows from higher authority levels to the lower levels.
   a) Downward   b) Upward
   c) Horizontal   d) Vertical

10) 'You' attitude in writing style emphasizes to _____.
    a) Writer   b) Sender
    c) Channel   d) Reader

11) _____ is the study of space language.
    a) Chronemics   b) Both a & c
    c) Proxemics   d) None of these

12) _____ means expressing much in a few words.
    a) Preciseness   b) Conciseness
    c) Both a & b   d) None of above

13) _____ is a shortened form of a word or phrase.
    a) Abbreviation   b) Numerals
    c) Capitalization   d) Spelling

14) Enclosures are indicated in the letters by writing_____.
    a) Encles   b) Enclose
    c) Encls   d) None of these

Q.2 **Write the answer of the following questions. (Any two)**   **14**
    a) State and describe the characteristics of Non-verbal communications?
    b) What is the meaning by Grapevine Communication? Explain with examples.
    c) What is E-mail technology

Q.3 **Write the answer of the following questions. (Any two)**   **14**
    a) Write a note on Preciseness.
    b) Explain types and process of Answering Machines.
    c) What are the principles of effective communication?

Q.4   **a)** Write a **Letter of Enquiry** to Babar Goods Pvt. Ltd. Regarding availability   **14**
         and supply of twenty Air Conditioners, as The Purchase Officer of Shukla
         and Sons Pvt. Ltd.
<div align="center">**OR**</div>
    b) Draft an **Application Letter** for the post of Computer Operator.

Q.5   **a)** What are the different types and characteristics of Barriers in   **14**
         Communication?
<div align="center">**OR**</div>
    b) What are the types, significance and importance of communication?

Seat No.	

P.G.D.C.A. (Semester - II) (New) (CBCS) Examination Oct/Nov-2017
DBMS AND RDBMS USING ORACLE

Day & Date: Saturday, 25-11-2017   Max. Marks: 70
Time: 02.30 PM to 05.00 PM

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1   Choose the correct alternative: **14**

1) Which of the following is not DBMS or RDBMS?
   a) Oracle   b) MS-Access
   c) MySQL   d) None of these

2) _____ is valid data type in SQL.
   a) String   b) Integer
   c) Number   d) None of these

3) SQL statements starts with_____.
   a) Verb   b) Clause
   c) Delimiter   d) None of these

4) Primary key constraint allows NULL values in a table column for which it is applied.
   a) True   b) False

5) _____ wild cards are used with LIKE predicate.
   a) * and #   b) _ and %
   c) * and?   d) * and %

6) Which of the following not valid string function?
   a) Upper()   b) Substr()
   c) Lower()   d) Abs()

7) PL/SQL Code block ends with _____ keyword.
   a) Stop   b) Exit
   c) End   d) None of these

8) FETCH is used in implicit cursor.
   a) True   b) False

9) _____ is an iterative statement in PL/SQL.
   a) GOTO   b) IF….THEN
   c) FOR   d) None of these

10) _____ increases database security
    a) Cursor   b) Trigger
    c) Function   d) None of these

11) There are two types of cursor-_____ , _____.
    a) Internal, External   b) Single, Multiple
    c) Entry Control, Exit Control   d) Implicit, Explicit

12) Oralce version 7.0 supports PL/SQL.
    a) True   b) False

13) Valid DCL command is _____.
    a) ALTER TABLE   b) GRANT
    c) SELECT   d) DELETE

14) When one sub query contains sub query that is known as _____.
    a) Nested sub query   b) Sub query
    c) Multiple queries   d) None of these

Q.2	**a)**	Explain Dr. E.F. Codde's rules.	**07**
	b)	Explain "Normalization"	**07**
Q.3	**a)**	Explain primary key and foreign key constraints.	**07**
	b)	Explain any four arithmetic functions.	**07**

Q.4   **Solve any one from the following.**   **14**
    a)   What is cursor? What are the types of cursor? Explain in detail.
    b)   Write a PL/SQL code to-
        1) Print the given number is prime or not.
        2) Print the factorial of a given number.

Q.5   **Solve any one from the following.**   **14**
    a)   What is PL/SQL? Which control statements are available in PL/SQL? Explain.
    b)   Explain in detail "Triggers".

| Seat No. | | Set | P |

P.G.D.C.A. (Semester - II) (New) (CBCS) Examination Oct/Nov-2017
ASP.NET USING C#

Day & Date: Monday, 27-11-2017   Max. Marks: 70
Time: 02.30 PM to 05.00 PM

Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q.1   Select the most correct alternative and rewrite the following sentences.   14

1) Which of the following ASP .NET object encapsulates the state of the client?
   a) Session Object   b) Application Object
   c) Respond Object   d) Sever Object

2) Mode of storing ASP.NET session.
   a) InProc   b) State Server
   c) SQL Server   d) All the above

3) Which of the following is faster and consume lesser memory?
   a) SQLDataReader   b) Data Set
   c) Metadata Set   d) None of these

4) Which of the authentication is best suited for a corporate network?
   a) Windows   b) Form
   c) Users   d) All of the above

5) _____ is the data type return in IsPostback property.
   a) Bit   b) Boolen
   c) Int   d) Object

6) Which of these files takes the web application in offline Mode?
   a) app_offline.html   b) app_offline.htm
   c) appoffline.html   d) None of these

7) Which of the following does the actual.Net code execute?
   a) CLS   b) MSIL
   c) CTS   d) CLR

8) Features of automatic memory Management in .NET.
   a) Allocating Memory   b) Releasing Memory
   c) Implementing finalizer   d) All of the above

9) Which ADO .NET class provide connected environment?
   a) DataReader   b) Dataset
   c) Command   d) None of these

10) In ASP.NET for requesting a web page from the web server which protocol is used.
    a) HTTP   b) TCP
    c) SMPT   d) None of these

11) To create your application on the remote server which option you will choose in ASP.NET.
   a) File System
   b) FTP
   c) HTTPS
   d) None of these

12) ASP.NET application codes can be Written in _____Language.
   a) Visual Basic
   b) C++
   c) Oracle
   d) J#

13) NET stands for_____.
   a) New Emergency Technology
   b) New Electronic Technology
   c) New Easy Technology
   d) None of these

14) _____ is C# keywords.
   a) Base
   b) bit
   c) data
   d) space

Q.2	a)	Explain the advantages of ASP.NET.	07
	b)	Write down data types in C#.	07
Q.3	a)	Write a program ASP.NET to print factorial of given number.	07
	b)	Explain the types of Decision making statements.	07
Q.4	a)	What is Operator? Explain types of Operator with example.	14

OR

| | b) | Write a program to get a number and display sum of the digits. | 14 |
| Q.5 | a) | Explain the components of .Net Framework. | 14 |

OR

| | b) | What OOP? Explain the features of OOP. | 14 |

Seat No.

P.G.D.C.A. (Semester - II) (New) (CBCS) Examination Oct/Nov-2017
JAVA PROGRAMMING

Day & Date: Tuesday, 28-11-2017   Max. Marks: 70
Time: 02.30 PM to 05.00 PM

Instructions: 1) All questions are compulsory.
                          2) Figures to the right indicate full marks.

Q.1   Choose the correct alternative: **14**

1) _____ Methods can access variables without using object of the class.
   a) Static   b) Private
   c) Public   d) All of them

2) Super () invokes the _____ of immediate parent class.
   a) Destructor   b) Constructor
   c) Both a and b   d) None of the above

3) _____ can be used to refer current class instance variable.
   a) Constructor   b) Super
   c) This   d) None of these

4) The _____ access modifier is accessible only within class.
   a) Public   b) Private
   c) Both a and b   d) None of these

5) The _____ access modifier is accessible everywhere.
   a) Protected   b) Public
   c) Both a and b   d) None of these

6) The exception handling in java is one of the powerful mechanism to handle the _____ errors.
   a) Compile time   b) Runtime
   c) Both a and b   d) None of these

7) There are mainly two types of exceptions: checked and_____.
   a) Declared   b) Undeclared
   c) Unchecked   d) All of these

B)   Fill in the blank.   **07**

1) Super ()must be the first statement in constructor otherwise we will get the compilation_____ message:
2) There are two types of modifiers in java: _____ modifiers and non-access modifiers.
3) The _____ modifier is accessible only within package.
4) The protected access modifier can be applied on the _____ member, method and constructor.
5) The wrong formatting of any value, may occur_____.
6) Java _____ block is used to enclose the code that might throw an exception.
7) Java uses the concept of _____ to make I/O operation fast.

Q.2	**a)**	What is java? Explain features of OOP.	**07**
	b)	Explain Try Catch Block with suitable example.	**07**
Q.3	**a)**	Explain the use of This key word in java.	**07**
	b)	Explain the use of Super key word in java.	**07**
Q.4	**a)**	Explain Relation operator in the java with suitable example.	**07**
	b)	What is data type in java? Explain with suitable example.	**07**
Q.5	**Explain following.**		
	a)	Arrays	**06**
	b)	Thread Life Cycle	**04**
	c)	JDBC	**04**

Seat No.		Set	P

P.G.D.C.A. (Semester - II) (Old) Examination Oct/Nov-2017
DBMS AND RDBMS USING ORACLE

Day & Date: Saturday, 25-11-2017
Time: 02.30 PM to 05.30 PM

Max. 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.
2) Figures to the right indicate full marks.

Q.1 Choose the correct alternative: 12

1) _____ is a valid RDBMS.
   a) Oracle
   b) MS-Excel
   c) MS-Word
   d) None of these

2) _____ data constraint is used to accept only unique and NULL values in a table column.
   a) Primary Key
   b) Unique
   c) Foreign Key
   d) None of these

3) _____ is the component of SQL statement that manipulates the data available in a table.
   a) DDL
   b) DML
   c) DCL
   d) All of these

4) PL/SQL not supports iteration.
   a) True
   b) False

5) _____ works as assignment operator in PL/SQL
   a) ==
   b) =
   c) : =
   d) None of these

6) When one query contains another query that is known as _____.
   a) Multiple query
   b) Query into query
   c) Sub query
   d) None of these

7) Valid attribute(s) of explicit cursor is/are _____.
   a) %ISOPEN
   b) %FOUND
   c) %ROWCOUNT
   d) All of these

8) Triggers decrease database security.
   a) True
   b) False

9) _____ is unconditional control structure available in PL/SQL.
   a) GOTO
   b) FOR
   c) IF.. THEN..ELSE ...ENDIF
   d) WHILE

10) _____ is used to assign privileges to another user.
    a) Resource
    b) Grant
    c) Revoke
    d) None of these

11) In PL/SQL, _____ is used to apply table column data type & size to a memory variable.
   a) %TYPE   b) %ROWTYPE
   c) %APPLY   d) None of these

12) ORDER BY clause is used to display data in sorted order.
   a) True   b) False

B) **Fill in the blanks**.   **04**
   1) HAVING clause is used with only _____ clause.
   2) DBA stands for _____.
   3) In SQL, _____ function is used to find square root of a number.
   4) In SQL, _____ data type is used to store date and time.

Q.2 **a)** What is SQL? Differentiate between SQL and PL/SQL.   **06**
   b) What are the integrity constraints? Explain Primary Key.   **06**
   c) Write a PL/SQL code to check the largest number between two numbers.   **04**

Q.3 **a)** Explain any three arithmetic functions in oracle.   **06**
   b) What is sub query? Explain with syntax and example.   **06**
   c) Write a PL/SQL code to check the given number is even or odd.   **04**

Q.4 **Write Short Notes on the following.**   **16**
   a) Functional Dependencies.
   b) SQL Operators.
   c) Iterative Controls.
   d) Privileges.

Q.5 **a)** What is cursor? Explain types of cursor.   **08**
   b) Write a PL/SQL code to print the factorial of given numbers.   **08**

Q.6 **a)** Write on "Normalization.   **08**
   b) Explain Codd's Rules.   **08**

Q.7 **a)** What is trigger? Explain with suitable example.   **08**
   b) Explain all forms of SELECT command with syntax and example.   **08**

Seat No.	

P.G.D.C.A. (Semester - II) (Old) Examination Oct/Nov-2017
ASP .NET USING C#

Day & Date: Monday, 27-11-2017   Max. Marks: 80
Time: 02.30 PM to 05.30 PM

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.

Q.1   **Choose the correct alternative:**   **16**

1) Code that targets the Common Language Runtime is known as_____.
   a) Unmanaged Code   b) Distributed Code
   c) Legacy Code   d) Managed Code

2) Which of the following is not an arithmetic operator in C#.NET?
   a) **   b) +
   c) /   d) %

3) _____ is the first method that is fired during the page load.
   a) PreRender()   b) Load()
   c) Unload()   d) Init()

4) In ASP.NET application DLL files are stored in App_Code folder.
   a) True   b) False

5) The following is /are the minimum requirement (s) to run ASP.NET pages.
   a) Java Virtual Machine   b) Common Language Runtime
   c) Windows Explorer   d) All of these

6) What is true about master page?
   a) You can add more than one master pages is a website
   b) Master Pages can be nested
   c) Content PlaceHolder control is required on a content page
   d) Both a) and b)

7) Which of the following works on serve side?
   a) ViewState   b) HiddenField
   c) Application and Session State   d) All of the above

8) A function returns a value, whereas a subroutine cannot return a value.
   a) True   b) False

9) To kill a users session explicitly which of the following will you use?
   a) Session. Close()   b) Session. End()
   c) Session. Abondon()   d) Session. Discard()

10) Which SqlCommand execution returns the number of effected records in the table?
   a) ExecuteNonQuery()   b) ExecuteReader()
   c) ExecuteXmlReader()   d) ExecuteScalar()

11) Choose the correct option about DataSet object.
    a) Provides Disconnected Mode
    b) Can store multiple table simultaneously
    c) Consumer Object
    d) All of the above

12) ASP makes a website more interactive and dynamic.
    a) True   b) False

13) When a user's session times out which event should you respond to?
    a) Application_Start   b) Session_End
    c) Session_Start   d) Application_End

14) The _____ collection is used to pass information from a client browser to the web server.
    a) Contents   b) QueryString
    c) Cookies   d) ClientCertificate

15) When does garbage collector run?
    a) When application is running low of memory
    b) It runs random
    c) When application is running for more than 15 minutes
    d) None of the above

16) In ASP, the Response Object is used to send output to the user from the server.
    a) True   b) False

Q.2	a)	Explain Common Language Runtime (CLR).	06
	b)	What is array? Explain types of array with example.	06
	c)	Write a program in ASP.NET to check the given number is positive or negative.	04
Q.3	a)	What is function? Explain any two library functions in C#.	06
	b)	What is Master Page? Explain nested master pages.	06
	c)	Write on 'CSS'.	04
Q.4	**Short Notes of the following**		
	a)	The Visual Studio IDE.	04
	b)	HTML Controls.	04
	c)	Cookies.	04
	d)	IIS.	04
Q.5	a)	Explain different OOP concepts.	08
	b)	Explain ADO.NET.	08
Q.6	a)	What is application state? Explain.	08
	b)	Explain Data Readers, Data Sets & Data Adapters.	08
Q.7	a)	Write a program in ASP.NET to print the given number is prime or not.	08
	b)	Explain different operators in C#.	08

Seat No.

P.G.D.C.A. (Semester - II) (Old) Examination Oct/Nov-2017
JAVA PROGRAMMING

Day & Date: Tuesday, 28-11-2017   Max. Marks: 80
Time: 02.30 PM to 05.30 PM

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 questions between Q.5 and Q.6.
　　　　　　　2) Figures to the right indicate full marks.

Q.1 Choose the correct alternative: **08**
　　1) A java ____ is a group of similar types of classes, interface and sub-packages.
　　　　a) Package　　　　　　　　　b) Program
　　　　c) Both a and b　　　　　　　d) All of these

　　2) Array in java is index based, first element of the array is stored at ____ index.
　　　　a) 0　　　　　　　　　　　　b) 1
　　　　c) 2　　　　　　　　　　　　d) All of the above

　　3) The java command-line argument is an argument i.e passed at the time of _____ the java program.
　　　　a) Compiling　　　　　　　　b) Running
　　　　c) Both a and b　　　　　　　d) None of these

　　4) An entity that has state and behavior is known as _____.
　　　　a) Class　　　　　　　　　　b) Inheritance
　　　　c) Object　　　　　　　　　　d) None of these

　　5) Java _____ is *invoked at the time of object creation*.
　　　　a) Constructor　　　　　　　b) Class
　　　　c) Object　　　　　　　　　　d) None of these

　　6) _____ is a process of hiding the implementation details and showing only functionality.
　　　　a) Inheritance　　　　　　　b) Polymorphism
　　　　c) Abstraction　　　　　　　d) All of these

　　7) Java JDBC is a java ____ to connect and execute query with the database.
　　　　a) GUI　　　　　　　　　　　b) API
　　　　c) Both a and b　　　　　　　d) None of these

　　8) According to sun syntax of java is based on _____.
　　　　a) Basic　　　　　　　　　　b) C
　　　　c) C++　　　　　　　　　　　d) All of these

B) Fill in the blanks.   **08**
　　1) If you declare any variable as _____, it is known static variable.
　　2) The _____ keyword in java is a reference variable which is used to refer immediate parent class object.
　　3) The _____ keyword is used to allocate memory at run time.
　　4) Java AWT components are platform_____.
　　5) Changing the state of an object is known as an_____.
　　6) _____ is basically a lightweight sub process.
　　7) The sun microsystem says there are _____types of exceptions.
　　8) In Java, we use _____ class to achieve abstraction.

Q.2	**a)**	Explain Data types and variables in java with suitable example.	**08**
	b)	What is OOP? Explain features of java.	**08**
Q.3	**a)**	Explain use of operators in java with suitable example.	**08**
	b)	Explain use of this keyword in java with suitable example.	**08**
Q.4	**a)**	Write a program to display following output.	**08**

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

	b)	Write a program to print addition, subtraction, multiplication of two numbers.	**08**
Q.5	**a)**	Explain Try catch block with suitable example.	**08**
	b)	Explain two dimensional array with suitable example.	**08**
Q.6	**a)**	Write a program to reserve a given number in java.	**08**
	b)	Write a program to print given series 0, 1, 1 , 2, 3, 7, 9	**08**
Q.7	**Write short notes.**		
	a) For loop		**06**
	b) Data Types		**05**
	c) Thread life cycle		**05**