Seat No.

P.G.D.C.A. (Semester – I) Examination, 2016
(New) (CBCS Pattern)
FUNDAMENTALS OF COMPUTER AND INFORMATION TECHNOLOGY
(Paper No. I)

Time : 2½ Hours   Total Marks : 70

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

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

   1) _____ is used for protection of file.
      a) Password   b) Database   c) Internet   d) Lock

   2) _____ language understood by the computer without using a translation program.
      a) Assembly   b) Machine   c) Java   d) 'C'

   3) Plotter is an _____ device.
      a) input   b) input and output
      c) output   d) joystick

   4) Base of octal number is
      a) two   b) ten   c) sixteen   d) eight

   5) Projectors are the most popular output devices for producing _____ output.
      a) softcopy   b) hardcopy
      c) both a and b   d) none of these

   6) WAN stands for
      a) Wide Area Network   b) Win Area Network
      c) Word Area Internet   d) Windows Area Network

   7) _____ is an input device, which translate paper documents into an electronic format, which can be stored in computer.
      a) Scanner   b) Keyboard
      c) Mouse   d) None of these

   8) ROM is also known as _____ storage device.
      a) non-volatile   b) volatile
      c) both a and b   d) none of these

P.T.O.

9) Light pen is _____ device.
   a) input   b) output
   c) storage   d) none of these

10) _____ is the largest network of the world.
   a) Interanet   b) Internet
   c) Network   d) Private network

11) Vacuum tube is the second generation of computer.
   a) True   b) False

12) Motherboard is pre-printed circuit board of computer system.
   a) True   b) False

13) Pen derive is secondary storage media.
   a) True   b) False

14) MICR stands Magnetic-Ink Character Recognition.
   a) True   b) False

2. A) What are the computer generations ? Explain the second generation computer with its advantages. **7**

   B) What is network topology ? Explain types of network topologies. **7**

3. A) Carry out the following conversions **7**
     1) $1111_2 = ?_{10}$ 2) $44_{10} = ?_2$.

   B) Explain the operating system in details with its functions. **7**

4. A) What is computer network ? Explain its types. **7**

   B) Explain evolution of computer. **7**

               OR

   C) What is number system ? Explain the binary and octal number system in detail. **7**

   D) What is computer ? What are the important characteristics of a computer ? **7**

5. A) Explain the basic organization of computer in detail. **7**

   B) What are the applications of computer in various fields ? **7**

               OR

   C) What is assembly language ? What are its advantages over machine language ? **7**

   D) Explain hardware and software in detail. **7**

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Seat No.

P.G.D.C.A. (Semester – I) (New CBCS) Examination, 2016
Paper – II : INTRODUCTION TO ACCOUNTING PACKAGE AND MS-OFFICE

Time : 2 Hours 30 Minutes   Total Marks : 70

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

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

    1) Spreadsheet is also known as
       a) Sheets   b) Worksheet   c) Note book   d) Wordsheet

    2) _____ is shortcut of saving MS-Word file.
       a) Ctrl + s   b) Alt + s   c) Ctrl + A   d) Ctrl + o

    3) _____ view is used to deliver the presentation.
       a) Read view   b) Slide Show   c) Print view   d) Slide Sorter

    4) _____ is a presentation software package.
       a) Word   b) Excel   c) Power Point   d) Access

    5) _____ is the tab in Ms-word.
       a) Pagelayout   b) Paragraph   c) Font   d) Clipboard

    6) Total amount invested by the proprietor into the business is called as
       a) Investment   b) Capital   c) Assets   d) Cost

    7) Using F2 function key _____ option gets activated.
       a) Restore   b) Backup   c) Period   d) Date

    8) _____ extension of Micro Soft Excel.
       a) .Doc   b) .xls   c) .PPt   d) .c

P.T.O.

9) In _____ type voucher, only bank and cash A/c are used.

   a) Receipt   b) Payment   c) Contra   d) Purchase

10) _____ is the font style.

   a) Underline   b) Delete   c) Insert   d) None of these

11) .docx is an extension of 2007 word file.

   a) True   b) False

12) To display the page horizontally _____ orientation is used.

   a) Portrait   b) Landscape   c) Page View   d) Web

13) _____ short cut key to paste the content.

   a) Ctrl + c   b) Ctrl + v   c) Ctrl + X   d) Ctrl + p

14) Dos and Windows versions of tally are available

   a) True   b) False

2. a) Explain the difference between Manual Accounting and Computerized Accounting. **7**

  b) How many different views in Power Point ? Explain briefly. **7**

3. a) What is Account ? Write down types and rules of Accounting with example. **7**

  b) Explain the all Tabs in MS-Excel. **7**

4. a) Explain the Gate way of Tally menu and function keys. **14**

         OR

  b) Draw and explain different type chart. **14**

5. a) Explain list of Group in tally. **14**

         OR

  b) What is short cut key ? Explain short cut key in MS-Word, MS-Excel. **14**

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Seat No.

P.G.D.C.A. (Semester – I) (New CBCS) Examination, 2016
SOFTWARE ENGINEERING WITH 'C' PROGRAMMING (Paper – III)

Time : $2^1/_2$ Total Marks : 70

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

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

   1) How many steps are there in SDLC ?

      a) 4   b) 5

      c) 6   d) 10

   2) _____ design and implementation database structure.

      a) Programmer   b) Project Manager

      c) Technical Writer   d) Database administer

   3) _____ is an important factor of Management Information System.

      a) System   b) Data

      c) Process   d) All

   4) DFD stands for _____

      a) Data Flow Diagram   b) Data First Diagram

      c) Data Front Diagram   d) Delta Find Diagram

   5) The first step in the problem solving process is to_____

      a) Plan the algorithm   b) Analyze the problem

      c) Desk-Check the algorithm   d) Evaluate the program

   6) _____ is a good example of deterministic system.

      a) Life cycle   b) Computer program

      c) Software program   d) None of these

P.T.O.

7) TPS long form of _____

   a) Travelling Processing System

   b) Transaction Processing System

   c) Transfer Processing System

   d) Turbo Processing System

8) Which quality deals with a maintaining the quality of the software product ?

   a) Quality Assurance

   b) Quality Control

   c) Quality Efficiency

   d) None of these

9) To print out a and b given below, which of the following printf() statement will you use ?

   a) printf("%f%f",a,b)

   b) printf("Lf%f",a,b)

   c) printf("%Lf%LF%,a,b)

   d) PRINT("%f%LF",a,b)

10) Which of the following is logical operator ?

   a) &

   b) &&

   c) ||

   d) |

11) C Programming language is developed by _____

   a) Dennis M. Ritchie

   b) Dennis Bell

   c) Bill Gate

   d) Donald

12) _____ is type of loop in C-Program.

   a) Do...While

   b) Whileloop

   c) for...Next

   d) None of these

13) _____ is type of decision making statement.

   a) If Statement

   b) If...else...statement

   c) if nested statement

   d) None of these

14) SDLC stands for _____

   a) System Development Life Cycle

   b) Software Development Life Cycle

   c) System Divide Life Cycle

   d) System Development Lack Cycle

2. a) Explain the characteristic of system. **7**

   b) Write a C Program to find Even and Odd Number. **7**

3. a) Explain the Pay Roll system with all attributes. **7**

   b) Write down data types in C-language with example. **7**

4. a) Explain the role of System Analysis and types of system. **14**

   OR

   b) Write down C Program to find Armstrong number from 100 to 999 numbers. **14**

5. a) What is meant by System ? Explain the fact finding techniques. **14**

   OR

   b) Write a C Program to print following output on the screen : **14**

   XXXXXXXX
    XXXXXXX
     XXXXX
      XXX
       X

_____

SLR-YD – 4

P.G.D.C.A. (Semester – I) Examination, 2016
(CBCS Pattern)
WEB PROGRAMMING WITH PHP (New) (Paper – V)

Time : 2½ Hours　　　　　　　　　　　　　　　　　　　Max. Marks : 70

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

1. A) Choose the correct alternative : **7**

　 1) Which of the below statement is equivalent to $add += $add ?
　　　a) $add=$add
　　　b) $add=$add+1
　　　c) $add=$add+$add
　　　d) All of these

　 2) Which one of the following is right way of defining a function in php ?
　　　a) function{function body}
　　　b) data type functionname(parameters) {function body}
　　　c) functionname (parameters) {function body}
　　　d) function functionname(parameters) {function body}

　 3) PHP's numerically indexed array begin with position _____
　　　a) 1　　　　　　b) 2　　　　　　c) 0　　　　　　d) – 1

　 4) Which one of the following database has php supported almost since the beginning ?
　　　a) Oracle　　　b) Sql　　　　　c) Sql +　　　　d) Mysql

　 5) Which one of the following statement is used to create a table ?
　　　a) CREATE TABLE tablename (columntype columnname);
　　　b) CREATE TABLE tablename (columnname columntype);
　　　c) CREATE tablename (columntype columnname);
　　　d) All of the above

P.T.O.

6) Which one of the following statement can be used to select the database ?

   a) $mysqli=select_db('databasename');

   b) mysqli=select_db('databasename');

   c) $mysqli–>select_db('databasename');

   d) All of the above

7) What will be the output of the following php code ?

```
<?php
        $x=5;
        $y=10;
        $z="$x+$y";
        Echo "$z";
?>
```

   a) 15   b) 10 + 5

   c) $z   d) $x + $y

B) Fill in the blanks :   **7**

   1) PHP scripts is used in _____ side language.

   2) Echo statement used for _____ in php.

   3) In php each statement must end with _____

   4) In php variable names start with _____

   5) In php language variables are case _____

   6) Variable names must begin with a _____ or underscore.

   7) _____ terminates the for loop or switch statement.

2. A) Write advantages of open source.   **7**

   B) Explain arithmetic operator in php with suitable example.   **7**

3. A) What is an array ? Explain different types of array.   **7**

   B) What is function ? Explain functions in php with suitable example.   **7**

4. A) Write a PHP script to update a record in mysql. **7**

B) Write a php script to find given number is Armstrong or not. **7**

OR

4. A) What is mysql ? Explain data types in mysql. **7**

B) Explain formatting tags in HTML with suitable example. **7**

5. A) Write a php Script to make addition, subtraction, division and multiplication of two numbers. **7**

B) Explain switch statement in PHP with suitable example. **7**

OR

5. A) Write a php Script to print following output : **7**

1 2 3 4 5

2 3 4 5

3 4 5

4 5

5

B) Explain get and post methods in php with suitable example. **7**

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Seat No.

P.G.D.C.A. (Semester – I) Examination, 2016
(New – CBCS Pattern)
COMMUNICATION SKILLS (Paper – IV)

Time : 2½ Hours   Max. Marks : 70

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

I. Choose the correct alternative :   **14**

1) The Physical barrier to listening is _____
   a) Noise
   b) Poor acoustics
   c) Uncomfortable seating arrangement
   d) All of them

2) Oral communication is also known as _____
   a) Informal Communication
   b) Formal Communication
   c) Verbal Communication
   d) Non-verbal Communication

3) Communication is the exchange of _____
   a) Facts   b) Opinions
   c) Emotions   d) All of them

4) _____ is a list of subjects to be discussed at the meeting.
   a) The Report   b) An Agenda
   c) The Minutes   d) The Notice

5) The Internet is a _____ connecting the computers.
   a) Local Network   b) Area Network
   c) Global Network   d) Urban Network

6) _____ is the first person who starts the process of communication.

   a) Sender   b) Receiver

   c) Mediator   d) All of them

7) _____ is the interpretation of the message by the receiver.

   a) Decoding   b) Encoding

   c) Feedback   d) Channel

8) The important and powerful means of communication is _____

   a) Pictures   b) Diagrams

   c) Signs   d) Colour

9) Human mindset causes _____ barriers.

   a) Physical   b) Psychological

   c) Logical   d) Social

10) _____ is a shortened form of a word or phrase.

   a) An abbreviation   b) The numerals

   c) The capitalization   d) The spelling

11) Enclosures are indicated in the letters by writing _____

   a) Encles   b) Enclose

   c) Encls   d) None of the above

12) The resume deals with _____ details of the applicant.

   a) Social   b) Psychological

   c) Personal   d) Common

13) The report is a _____ presentation of facts and information.

   a) Common   b) Logical

   c) Mental   d) Physical

14) Orders and warnings are forms of _____ communication.

   a) Downward   b) Upward

   c) Diagonal   d) Horizontal

II. Write the answer of the following questions (**any two**) :   **14**

   1) What are the types of non-verbal communication ?

   2) Write a short note on Proxemics.

   3) State the objectives of downward communication.

III. Write the answer of the following questions (**any two**) :   **14**

   1) State and explain the types of meetings.

   2) What is communication ? Describe the process of communication.

   3) What are the socio-psychological and cultural barriers ? Explain in brief.

IV. A) TATA Motors Ltd., needs Finance Officer, M.B.A. with five years minimum experience, must have computer knowledge. Write an **Application Letter** to TATA Motors Ltd., Shukla Complex, M. G. Marg, Thane – 421301.   **14**

   OR

   B) Write a **Sales Letter** to a customer announcing annual festival sale and new arrival offer on it. Shop address, Mehta General Stores, Distributors and Retailers, Pune Road, Aurangabad.

V. A) Explain in details about Meeting, Notice, Agenda and Minutes with its objectives and types.   **14**

   OR

   B) Describe the role of Internet in Business with suitable points.

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Seat No.

P.G.D.C.A. (Semester – I) Examination, 2016
FUNDAMENTALS OF COMPUTER AND INFORMATION TECHNOLOGY
(Paper – I) (Old)

Time : 3 Hours　　　　　　　　　　　　　　　　　　　　　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 between Q. **5** and Q. **6**.
　　　　　　　　4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternative :　　　　　　　　　　　　　　　**8**

　　1) The base of hexadecimal number system has
　　　　a) 2　　　　　　　　　　　　b) 8
　　　　c) 16　　　　　　　　　　　d) None of these

　　2) All the physical components of any computer system known as
　　　　a) Hardware　　　　　　　　b) Software
　　　　c) Shareware　　　　　　　d) All of these

　　3) Which is not a computer classification ?
　　　　a) Mainframe　　　　　　　b) Maxframe
　　　　c) Mini　　　　　　　　　　d) Notebook

　　4) Which of the following is not computer language ?
　　　　a) High Level Language　　　b) Medium Level Language
　　　　c) Low Level Language　　　d) All of these

　　5) _____ is sequential storage device.
　　　　a) Compact Disk　　　　　　b) Digital Versatile Disk
　　　　c) Floopy Disk　　　　　　　d) All of these

　　6) The operating system manages
　　　　a) Memory　　　　　　　　　b) Processes
　　　　c) Disks and I/O devices　　　d) All of these

7) _____ is used to convert high level language into machine code.

   a) Compiler   b) Assembler

   c) Both a) and b)   d) None of these

8) In _____ topology there is a central controller or hub.

   a) Ring   b) Bus

   c) Mesh   d) Star

B) State **true** or **false** :   **8**

1) IT stands for Information Technology.

2) The scope of WAN is local.

3) Binary number system contains only 2 symbols.

4) There is no difference between LED and LCD.

5) ROM is volatile memory.

6) Windows XP is multiuser operating system.

7) It is possible to send video files through E-mail.

8) Anit-virus is used to remove malwares.

2. A) What is Computer ? Explain characteristics of computer.   **6**

  B) What is number system ? Explain binary and octal number system.   **6**

  C) Write on 'Motherboard'.   **4**

3. A) Why input devices are necessary ? Explain any two input devices.   **6**

  B) What is printer ? Explain Dot Matrix Printer.   **6**

  C) Differentiate between RAM and ROM.   **4**

4. A) What is operating system ? Explain functions of operating system.   **6**

  B) Explain computer languages.   **6**

  C) State the difference between LAN and MAN.   **4**

5. A) What is networking ? Explain network topologies. **8**

   B) Explain IT in Education. **8**

6. A) Discuss on 'Computer Generations'. **8**

   B) Solve the following conversion examples. **8**

   1) $(1010)_2 = (......)_{10}$

   2) $(42)_{10} = (......)_2$

   3) $(ABC)_{16} = (......)_2$

   4) $(56)_8 = (......)_{10}$

7. Note on (**any four**) : **16**

   1) Scanner

   2) E-Mail

   3) DVD

   4) Internet

   5) Magnetic tape.

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Seat No.

P.G.D.C.A. (Semester – I) Examination, 2016
INTRODUCTION TO A/C PACKAGE AND MS-OFFICE (Paper – 2) (Old)

Time : 3 Hours   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 between Q. **5** and Q. **6.**
  4) Figures to the **right** indicate **full** marks.

1. A) Choose the correct alternative :   **8**

   1) _____ is the extension of Power Point files.

      a) .bmp   b) .ppt

      c) .doc   d) .txt

   2) To print document in MS-Word _____ shortcut key is used.

      a) ctrl + p   b) Alt + P

      c) Shift + P   d) None of these

   3) _____ is a shortcut key to select any activated company.

      a) Alt + F1   b) F10

      c) F1   d) F2

   4) _____ shortcut key is used in MS-Word to justify text.

      a) Ctrl + j   b) Alt + j

      c) Shift + j   d) Ctrl + L

   5) In purchase voucher, always _____ A/C has debit balance.

      a) Sale   b) Cash

      c) Purchase   d) Bank

P.T.O.

6) Which of the following is not a font style in ms-word ?

   a) Bold   b) Italic

   c) Regular   d) Superscript

7) Using find command in word, we can search ?

   a) Characters   b) Symbols

   c) Number   d) All these above

8) Tally provides _____ subgroups.

   a) 13   b) 12

   c) 30   d) 10

B) State **True** or **False** :   **8**

   1) In tally, vouchers are used for recording day-to-day transactions.

   2) Profit and loss account contains all income and expenses including outstanding and prepaid.

   3) In Ms power point Note Page view is present under the view menu.

   4) In tally, features activated through F 12 key are applicable to all companies.

   5) Portrait and Landscape are the page orientation.

   6) You cannot insert the image in ms-excel file as background.

   7) Voucher can be marked as post dated in tally.

   8) In power-point note page view is not used.

2. A) What are the features of Tally ?   **6**

   B) What is printing ? What are various print options ?   **6**

   C) Explain different views used in Power Point.   **4**

3. A) What are the rules for Debit and Credit for each types of account ?   **6**

   B) Explain the different features of MS-Excel.   **6**

   C) Write down text alignment short cuts used in MS-Word.   **4**

4. A) What are the different page views and layout of documents ? **6**

   B) Explain the sum and average function used in ms-excel. **6**

   C) Draw font dialog box used in MS-Word. **4**

5. A) Explain the groups that are given by Tally. **8**

   B) Explain features of MS-Word processor. **8**

6. A) What is a table in MS-Word ? How to create and handle a table ? **8**

   B) Explain the opening screen of the tally. **8**

7. Note on (**any four**) : **16**

   1) Journal voucher

   2) Spell check in MS-Word

   3) Rules of accounting

   4) Text Attributes

   5) Statistical function in MS-Excel.

   _____

Seat
No.

P.G.D.C.A. (Semester – I) Examination, 2016
Paper No. – 3 : SYSTEM ANALYSIS AND DESIGN WITH 'C' PROGRAMMING (Old)

Time : 3 Hours   Total Marks : 80

Instructions : 1) Q. No. **1** and **7** are **compulsory**.

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

3) Attempt **any one** question between Q. No. **5** and **6**.

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

1. Choose the correct alternative :   **8**

   A) 1) _____ is a tabular method for describing the logic of the decisions to be taken.
      a) Decision tables   b) Decision tree
      c) Decision method   d) Decision data

   2) A _____ is an outline of a process that keeps develop successful information systems.
      a) CASE tool   b) Phased conversion
      c) Success Factors   d) System development life cycle

   3) A graphic representation of an information system is called
      a) Flow chart   b) Pictogram
      c) Data flow diagram   d) Histogram

   4) Problem analysis is done during
      a) System design phase   b) Systems analysis phase
      c) Before system test   d) All of the above

   5) In 'C', _____ operator has higher precedence than + (plus) operator.
      a) – (Minus)   b) / (Division)
      c) % (Modulus)   d) Both (b) and (c)

6) Which of the following not valid variable name in 'C' ?

   a) int emp 123   b) float emp_sal

   c) int e11   d) int $empno

7) In 'C' _____ is used to terminate the execution of a program.

   a) Break;   b) Exit( );

   c) Continue;   d) None of these

8) _____ is a sequence of steps.

   a) Algorithm   b) Array

   c) Function   d) None of these

B) State **True** or **False**.   **8**

1) In 'C', it is possible to store value of float type variable into int types variable.

2) # define MAX = 20 is valid symbolic constant.

3) In 'C' goto statement is used to move control from one place to another place in program.

4) 'C' is a not a case sensitive language.

5) SAD stands for System Automatic Design.

6) Technical feasibility is a valid feasibility study.

7) Pointer to pointer concept is used to acquire address of another pointer variable.

8) Binary file contains text type data also.

2. A) What is system ? Explain elements of system.   **6**

   B) What is ERD ? Explain.   **6**

   C) Write a program in 'C' to check the given number is even or odd.   **4**

3. A) What is flowchart ? Which symbols are used to draw flowchart ?   **6**

   B) Explain if... else with syntax and example.   **6**

   C) Write a program in 'C' to check the given number is positive or negative.   **4**

4. A) What is decision tree ? Explain.   **6**

   B) Explain pass by reference with example.   **6**

   C) Write on 'DFD'.   **4**

5. A) Explain switch control structure with suitable example **8**

   B) Write a program to print the factorial of given number. **8**

   (Hint : if the given number is 4 then factorial will be 4*2*3*1 = 24)

6. A) Explain different file opening modes in 'C'. **8**

   B) What is array ? Explain types of array. **8**

7. Note on (**any four**) : **16**

   1) SDLC.

   2) Functions.

   3) Structure.

   4) History of 'C'.

   5) Pointers.

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Seat No.	

P.G.D.C.A. (Semester – I) Examination, 2016
WEB PROGRAMMING WITH PHP (Paper – 4) (Old)

Time : 3 Hours
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 between Q. **5** and Q. **6**.*
4) *Figures to the **right** indicate **full** marks.*

1. A) Choose the correct alternative : **8**

   1) PHP scripts are used in _____
      a) Server-side scripting
      b) Client-side GUI applications
      c) Command-line scripting
      d) All of these above

   2) PHP does not have an built in support for which one of the following ?
      a) jpeg   b) gif
      c) mpeg   d) pdf

   3) Which of the following way is correct to comment a single line of code in php ?
      a) //Commented line   b) # Commented line
      c) ;Commented line   d) None of these

   4) What functions count elements in an array ?
      a) sum   b) sizeof
      c) Array_count   d) Count_array

   5) _____ function in PHP returns a list of response headers sent (or ready to send).
      a) headers_list()   b) headers()
      c) header_sent()   d) header_send()

P.T.O.

6) Strlen() returns the length of the string on success and _____ if the string is empty.

   a) –1   b) –2

   c) 0   d) Garbage value

7) Use the _____ to delete the data inside the table and not the table itself.

   a) Truncate table   b) Delete table

   c) Remove table   d) Drop table

8) Variables always start with a _____ in PHP.

   a) Dollar-sign   b) Yen-sign

   c) Pound-sign   d) Slash

B) State **true** or **false** :   **8**

   1) A PHP function cannot be overloaded or redefined.

   2) Echo does not return any value.

   3) PHP supports both simple and multi-dimensional arrays.

   4) The windows version of PHP does not have built-in support for the calendar extension.

   5) PHP supports explicit type definition in variable declaration.

   6) It is always necessary to use parentheses with the print function.

   7) SQL is not case sensitive. SELECT is the same as select.

   8) PHP does not support numbers written in hexadecimal, octal or scientific notation.

2. A) Explain the history of PHP.   **6**

   B) Explain the structure of HTML document.   **6**

   C) Explain basic four tag of html.   **4**

3. A) Explain the if-else control statement with suitable example.   **6**

   B) Explain advantage of open sources language.   **6**

   C) Note on : Browser.   **4**

4. A) Write a program to input any number and find out even or odd. **6**

   B) Explain the data types used in PHP. **6**

   C) What is MySQL ? **4**

5. A) What is array ? Explain with suitable example. **8**

   B) Write a program to accept three numbers and find out largest number among three numbers. **8**

6. A) Write a program to print following pattern : **8**

   $

   $ $

   $ $ $

   $ $ $ $

   $ $ $ $

   B) What is function ? Explain with suitable example. **8**

7. Note on (**any four**) : **16**

   1) MySQL Data Types

   2) Where clause with example

   3) Operators

   4) String functions

   5) Apache Web Server.

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Seat No.

P.G.D.C.A. (Semester – II) Examination, 2016
DBMS AND RDBMS USING ORACLE (Paper No. 7)

Time : 3 Hours

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 not a DBMS or RDBMS.

       a) Dbase   b) MS-Excel   c) Oracle   d) FoxPro

    2) PL/SQL support is not available in the Oracle's _____ version.

       a) 9i   b) 7   c) 10g   d) None of these

    3) _____ is the component of SQL statement that control access to the data and to the database.

       a) DDL   b) DML   c) DCL   d) All of these

    4) SQL is a non procedural language.

       a) True   b) False

    5) The _____ allows comparison of one string value with another string value, which is not identical.

       a) LIKE predicate   b) AND operator

       c) : =   d) None of these

    6) The HAVING clause can be used in conjunction with the _____ clause.

       a) WHERE   b) ORDER BY   c) GROUP BY   d) None of these

    7) One sub query contains another sub query known as _____

       a) Sub-sub query   b) Multiple sub queries

       c) Sub queries   d) Nested sub query

    8) PL/SQL stands for Programming Language/Structured Query Language.

       a) True   b) False

P.T.O.

9) _____ is bi-directional conditional control structure available in PL/SQL.

a) GOTO   b) FOR

c) IF..THEN..ELSE...ENDIF   d) WHILE

10) The FETCH statement used in _____ cursor.

a) Only Implicit   b) Only Explicit   c) Both a) & b)   d) None of these

11) _____ executed automatically/implicitly.

a) Trigger   b) Procedure   c) Function   d) None of these

12) Database triggers reduces database size.

a) True   b) False

B) Answer the following questions : **4**

1) Write the full forms of RDBMS and DBA.

2) What is query ?

3) List any two RDBMSs.

4) List two iterative controls in PL/SQL.

2. a) What is oracle ? Explain historical development of oracle. **6**

b) What are the features of SQL ? **6**

c) Write a PL/SQL code to accept student name, birth date and class of the student and store it the table STUDENT. **4**

3. a) What are the functions in oracle ? Explain any two built in functions in oracle. **6**

b) What are the Multiple sub queries ? Explain with example. **6**

c) Explain Block Definition Structure in PL/SQL. **4**

4. Write short notes on the following : **16**

1) Normalization

2) Integrity Constraints

3) Cursor

4) Trigger.

5. a) Differentiate between SQL and PL/SQL. **8**

   b) Explain Codd's rules. **8**

6. a) Write a PL/SQL code to check the given number is prime or not. (Hint : The number which is divisible by 1 or itself only, known as prime number.) **8**

   b) Write on Privileges in Oracle. **8**

7. a) Explain any two DML commands with suitable example of each. **8**

   b) Explain Role and Responsibilities of Oracle DBA. **8**

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SLR-YD – 11

| Seat |
| No. |

P.G.D.C.A. (Semester – II) Examination, 2016
ASP.NET USING C#
(Paper No. 8)

Time : 3 Hours   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) _____ is not valid area of visual studio IDE.

      a) The Tool Box   b) The Solution Explorer

      c) The Document Window   d) None of these

   2) Internet Information Server is developed by

      a) Microsoft   b) Sun Microsystems

      c) IBM   d) None of these

   3) In C#, _____ variables are globally accessible.

      a) private   b) internal   c) protected   d) public

   4) Ushort is a valid data type in ASP.NET.

      a) True   b) False

   5) The _____ control is used to display option buttons on a web form.

      a) RadioButton   b) OptionButton

      c) CheckBox   d) None of these

   6) _____ are valid server control events.

      a) Postback events   b) Cached events

      c) Validation events   d) All of these

P.T.O.

7) _____ control events are handled in the page.

   a) Sever   b) HTML   c) Master   d) None of these

8) A master page is a common page whose contents are shared by other pages.

   a) True   b) False

9) The .css files are embedded in the page with _____ tag.

   a) <style>   b) <link>   c) <span>   d) <embed>

10) _____ state variables are global variables that are available in the web application.

   a) Session   b) View

   c) Application   d) None of these

11) _____ are stored on the client's machine.

   a) Cookies   b) HTML controls

   c) Validation controls   d) All of these

12) DataReader is a class which reads one record at a time and makes available the record.

   a) True   b) False

13) _____ works as a messenger between Data Base and Data Set.

   a) DataReader   b) ADO.NET   c) Data Table   d) Data Adapter

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) Which organization define the web standards ?

   a) Microsoft Corporation   b) IBM Corporation

   c) World Wide Web   d) Apple Inc. Consortium

16) The ExecuteNonQuery command is suitable for Insert, Update and Delete type commands.

   a) True   b) False

2. a) What is ASP.NET ? Explain advantages of ASP.NET.   **6**

   b) What is an array ? Explain arrays in C#.   **6**

   c) Write a program in ASP. NET to find out largest number between two numbers.

4

3. a) Explain Looping in C#. **6**

   b) Explain any two HTML controls. **6**

   c) What is Master page ? Explain advantages of master page. **4**

4. Write short notes on the following :

   a) Name spaces. **4**

   b) Operators. **4**

   c) CSS. **4**

   d) DataReader. **4**

5. a) Assume a web page contains one Label control, one TextBox control and one button control. Write a code in C # for the following

     • When the user clicks on the button , the submit subroutine is executed. The subroutine copies the content of the TextBox control to the Label control. **8**

   b) Explain Application State in detail. **8**

6. a) What is session state ? Explain. **8**

   b) What is ADO.NET ? Explain Connection Object. **8**

7. a) Explain Data Sets and Data Adapters. **8**

   b) What is .NET framework ? Explain Common Language Runtime. **8**

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Seat
No.

P.G.D.C.A. (Semester – II) Examination, 2016
JAVA PROGRAMMING (P.No. 9)

Time : 3 Hours   Total Marks : 80

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

1. A) Choose the correct alternatives : **8**

   1) Java is compiled and _____ language.
     a) OOP   b) Distributed   c) Interpreted   d) Dynamic

   2) Java is platform depend language.
     a) True   b) False

   3) Java compiler translates filename.java source to filename _____
     a) Class   b) Object   c) Program   d) All of these

   4) The java platform consists of the JVM and java _____
     a) Code   b) Applet   c) API   d) Byte Code

   5) A _____ is a collection of objects of similar type
     a) Class   b) Method   c) Function   d) Members

   6) In java base class is known as _____
     a) Parent class   b) Super class
     c) Both a) and b)   d) None of these

   7) OOP follows the _____ approach.
     a) Top-down   b) Bottom-up   c) Top-bottom   d) None of these

   8) _____ types can hold only whole numbers.
     a) Float   b) Double   c) Integers   d) All of these

B) Fill in the blanks : **8**

   1) There are only _____ values that Boolean type can take.

   2) To declare a variable first place the _____ type followed by the
     name of the variable.

3) Variables declared and used inside the methods are called _____ variable.

4) Java constants are broadly categorized into numeric and _____

5) _____ symbol is used to separate statement.

6) Ternary operator also known as _____ operator.

7) Objects in java are created using the _____ operator.

8) To access the data members and methods of a class we use the _____ operator.

2. a) Explain the steps to run java program with suitable example. **8**

   b) Explain the features of java language. **8**

3. a) What is data type ? Explain different data types in java. **8**

   b) What is variable ? Explain the scope of the variable. **8**

4. a) Write a program to print given number is positive or negative. **8**

   b) Write a program to print following series : **8**

   1

   2   2

   3   3   3

   4   4   4   4

5. a) Explain looping statements in java. **8**

   b) Explain decision making statements in java. **8**

6. a) Explain array in java with suitable example. **8**

   b) Explain event handling in java. **8**

7. Write short notes on the following : **16**

   a) Inheritance

   b) Abstract classes and methods

   c) Exceptions in java

   d) Comments line in java.

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