

- Q.4** (a) Write a note on HTML DOM. [6]
(b) List out different dialog boxes in javascript. Explain them with suitable example. [6]

OR

- (b) Explain with example in javascript: “modulo operator” and “logical and operator” [6]

- Q.5** (a) What is array in PHP? List out different types of array in PHP? Explain associate array with suitable example. [6]
(b) Write a note on PHP Data Types [6]

OR

- (b) List out different looping structure in PHP.Explain any one with suitable example. [6]

- Q.6** (a) What is PHP session? Explain in detail. [6]
(b) Explain mysql_connect() and mysql_query() with suitable example. [6]

OR

- (b) Write a note on mysql_fetch_array(). [6]

SEAT No. _____

No. OF PAGES : 2

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SARDAR PATEL UNIVERSITY

M. Sc. (MOBILE TECHNOLOGY & APPLICATIONS)

SEMESTER – II

PS02CMTA02 (MOBILE APPLICATION DEVELOPMENT USING ANDROID & WINDEV)

13TH APRIL, 2017

Time : 02:00 p.m. to 05:00 p.m.

Marks : 70

Note : Answers of all the questions (including multiple choice questions) should be written in the provided answer book only.

Q-1 Pick up the most appropriate answer from the given alternatives and write in your answer book. (8)

- (1) Which method is called just after onStart() in activity life cycle?
(A) onPause() (B) onResume()
(C) onCreate() (D) onStop()
- (2) Which is the base class for SQLite?
(A) SQLiteOpenHelper (B) SQLiteOpenHelper
(C) SQLiteDatabase (D) None Of These
- (3) Windev Mobile enables you to manage data files in ____
(A) SQL (B) HyperFileOracle
(C) Sybase (D) HyperFileSQL
- (4) ____ method of the Button is used to register a callback and is invoked when button is clicked.
(A) setOnClickListener (B) setOnCheckedChangeListener
(C) setSelectedListener (D) None of these
- (5) ____ view displays one item at a time from a list and enables users to choice among them
(A) List View (B) AutoCompleteTextView
(C) SpinnerView (D) None of these
- (6) WLanguage is Integrated with ____
(A) 4GL (B) 5GL
(C) 6GL (D) None of these
- (7) ____ datatype in WLanguage recommended managing the characters and character stirngs.
(A) CHAR (B) Delegates
(C) String (D) All of these
- (8) ____ is used to display messagebox in WLanguage.
(A) MsgBox() (B) Info()
(C) Alert() (D) All of these

Q-2 Attempt the following: (ANY SEVEN)

(14)

- 1) Differentiate View and ViewGroup.
- 2) List down and define various types of dialogs supported by Android.
- 3) Define Toast class with example.
- 4) Define local and global variables of WLanguage.
- 5) Explain Simple Array and Dynamic Array of WLanguage with example.
- 6) Explain various types of mobile application developed in Windev
- 7) Write a note on Preferences.
- 8) List down and define data storage options in Android.
- 9) Write a note on Intent.

Q-3 (a) Explain Android architecture with neat diagram.

[6]

(b) What do you mean by resources? Explain various resource types.

[6]

OR

(b) Explain Option Menu and Context menus with example.

Q-4 (a) Write a note on Preferences with example.

[6]

(b) Explain Insert, Update and Delete operations in Database from Android using code snippet.

[6]

OR

(b) What is Content Provider? List down various types of content providers. Explain Contacts content provider with various methods and code snippet.

Q-5 (a) Write advantages of Windev and Characteristics of WLanguage.

[6]

(b) List out and explain conditional statements supported by Windev with example.

[6]

OR

(b) What are operators? List and Explain any three operators used in WLanguage.

Q-6 (a) Explain the following database functions.

[6]

- (1) HAdd()
- (2) HDelete()
- (3) HModify()

(b) Write a note on Iterative statements supported by Windev with syntax and example.

[6]

OR

(b) List any six datatypes used in Windev. Explain any three with example.

******* ALL THE BEST *******

[96]

SEAT No. _____

2

SARDAR PATEL UNIVERSITY
M.Sc.(Mobile Technology & Applications)
SEMESTER-II
External Examination- 2017
PS02CMTA03- (Java Programming)
17th April, 2017

Time:02:00 P.M. to 05.00 P.M

Marks:70

Q1 Give answers of following Multiple choice questions

[8]

- 1 Which of these is a super class of all exceptional type classes?
A String B RuntimeExceptions
C Throwable D Cachable
- 2 Which of these can be overloaded?
A Methods B Constructors
C Both a & b D None of the mentioned
- 3 Which Two Methods supported by java beans?
A getMethod & setMethod B getResponse & setResponse
C getVisible & setVisible D getSize & setLayout
- 4 What is the Full name of RMI?
A Remote method interface B Remote method invocation
C Remote member invocation D Remote member interface
- 5 _____ Protocol support only deleting of the message.
A SMTP B POP
C IMAP D None
- 6 Which of these exceptions handles the divide by zero error?
A ArithmeticException B MathException
C IllegalAccessException D IllegalException
- 7 To run an applet.....command is used.
A run B java
C appletviewer D applet
- 8 Which of these methods are used to register a keyboard event listener?
A KeyListener() B addKistener()
C addKeyListener() D eventKeyboardListener()

Q2 Do as directed (Any 7)

[14]

- 1 Explain super and final keyword with example.
- 2 What is difference between AWT and Swing?
- 3 Write the steps for creating an Applet.
- 4 Explain the life cycle of the servlet.
- 5 List any four listener types for an event.
- 6 What is Scanner class?
- 7 Write the difference between interface and Abstract class.
- 8 What is difference between path and classpath?
- 9 Define reader class and writer class.

- Q3 [A] What is Java? Enlist all features of JAVA and explain any six. [6]
Q3 [B] What is a thread? Discuss different states of thread. [6]
- OR**
- Q3 [B] Explain inheritance and polymorphism in detail in java with suitable example. [6]
- Q4 [A] Explain string & string buffer class in brief. [6]
Q4 [B] What is layout manager? List different layouts and discuss border layouts in details. [6]
- OR**
- Q4 [B] What is JSP? Why should we use it? Mention the type of scripting elements used in JSP. [6]
- Q5 [A] What is package? List steps for creating a package and explain with example? [6]
Q5 [B] What is event? Describe event delegation model. [6]
- OR**
- Q5 [B] What is Exception? Explain exception handling mechanism in java with suitable example. [6]
- Q6 [A] Discuss JDBC Drivers in brief. [6]
Q6 [B] Explain JavaBeans in java with an example code snippet. [6]
- OR**
- Q6 [B] Explain Java mail API in detail. [6]

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SARDAR PATEL UNIVERSITY**M.Sc. (Mobile Technology & Applications)****SEMESTER- II****PS02CMTA04 – (Distributed Application Development Technology)****Date: 19/04/2017 (Wednesday)****Time: 02:00 p.m. to 05:00 p.m.****Maximum Marks: [70]****Q-1 Choose the most appropriate option for each question.****[08]**

1. IIS stands for

| | |
|----------------------------------|----------------------------------|
| A. Internet information server | C. Integrated information server |
| B. Internet information services | D. None |
2. In ASP.NET, Page directive starts with symbol.

| | |
|---------|--------|
| A. <%@ | C. <%# |
| B. <%\$ | D. <%& |
3. Which property of validation control is used to specify which input control to validate?

| | |
|---------------------|----------------------|
| A. ControlToCompare | C. ControlToValidate |
| B. ValueToCompare | D. None of the above |
4. To access connection string from the web.config file, _____ namespace needs to be included.

| | |
|-----------------------------|-------------------------|
| A. System | C. System.Web |
| B. System.Web.Configuration | D. System.Configuration |
5. _____ is disconnected, in-memory representation of data.

| | |
|-----------------|-----------------|
| A. Data Reader | C. Data Set |
| B. Data Adapter | D. Data Command |
6. _____ method returns a single value from a database query.

| | |
|------------------------|-------------------|
| A. Execute Data Reader | C. Execute Scalar |
| B. Execute Non Query | D. Execute Reader |
7. In GridView Control, the default value of PageSize property is _____.

| | |
|-------|-------------------|
| A. 25 | C. 10 |
| B. 15 | D. None of these. |
8. Which of the following controls needs AdvertisementFile?

| | |
|-------------|---------------|
| A. Image | C. AdRotator |
| B. ImageMap | D. LinkButton |

Q-2 Answer the following questions (Any Seven)**[14]**

1. Explain SOAP and UDDI protocol.
2. Explain Role based and Code based security.
3. Explain .Net Passport.
4. Explain ASP.NET Page Life Cycle.
5. Differentiate: HTML and XML.
6. Differentiate POSTBACK URL and NAVIGATE URL with syntax and example.
7. Write down the uses of **Web.config** and **Global.asx** in ASP.NET
8. Define Authentication and Authorization.
9. What is AdRotator control? List down any four properties of AdRotator Control with its meaning.

- Q-3 Answer the following questions:** [06]
- [A] Explain Web Service architecture. [06]
- [B] Explain Caching and Security features. [06]
- OR**
- [B] Explain ADO.NET architecture. [06]
- Q-4 Answer the following questions:**
- [A] Explain ASP.Net Validation controls. [06]
- [B] Define State management in ASP.NET. Explain Session, Cookies and Query String with Syntax and example. [06]
- OR**
- [B] Why XML is used? Explain the structure of XML document with an example. [06]
- Q-5 Answer the following questions:**
- [A] Explain XSLT in detail with example. [06]
- [B] Explain GridView and ListView controls. [06]
- OR**
- [B] Define Localization and Globalization. Explain Culture Info class with any four methods with example. [06]
- Q-6 Answer the following questions:**
- [A] Explain .NET Remoting in detail. [06]
- [B] What is Serialization in .NET? Explain types of Serialization. [06]
- OR**
- [B] Explain concepts of data binding in ASP.NET. [06]

Don't blame your luck for your performance. Have faith in yourself and work hard.
- BEST OF LUCK

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SARDAR PATEL UNIVERSITY
M.Sc.(Mobile Technology & Applications)
SEMESTER-II
External Examination - 2017
PS02EMTA02- (E-Commerce & M-Commerce)
21st April ,2017

Time:02:00 P.M. to 05.00 P.M

Marks:70

Q1 Give answers of following Multiple choice questions

[8]

- 1 WAP stands for _____
 A Wireless Application Protocol B Wireless Auto Protocol
 C Web Application Protocol D None of these
- 2 Which one is not E-commerce threat?
 A Communication channel B Server
 C Client D Competition
- 3 Which of the following is part of the four main segments for e-commerce?
 A B2B B C2B
 C B2C D All of the above
- 4 _____ is the protocol that supports linking from one web page to another page.
 A HTML B IP
 C HTTP D FTP
- 5 _____ is the name of the card which can be used by the buyers during the time of purchase and in which the amount will be immediately debited from the buyers account.
 A Credit card B Debit card
 C Power card D None of these
- 6 _____ is simply the use of electronic means to transfer funds directly from one account to another, rather than by cheque or cash.
 A E-banking B X-banking
 C (A) and (B) both D None of these
- 7 _____ is the Data Encryption Standard (DES).
 A Bit cipher B Block cipher
 C Stream cipher D None of these
- 8 Website build to engage customers from different places to move them closer for marketing outcome is called as _____.
 A Marketing website B Branding website
 C Corporate website D None of these

Q2 Do as directed (Any 7)

[14]

- 1 List advantages of E-Commerce to Business.
- 2 What is difference between E-Commerce and M-Commerce?
- 3 Differentiate between E-Cheque and Paper Cheque.
- 4 Differentiate between Intranet and Extranet.
- 5 Write a short note on ANSI X12 standard of EDI.
- 6 Define: E-Commerce. Give any two examples of it.

- 7 Explain E-marketing in brief.
- 8 What is 3G - Mobile Internet?
- 9 What is cryptography? Explain it in brief.

- Q3 [A] What is E-Commerce? Enlist all the advantages and disadvantages of E-commerce and explain all of them. [6]
- Q3 [B] What is WAP? Explain WAP devices with its main purpose. [6]
- OR**
- Q3 [B] Explain Supply Chain Management framework with figure. [6]
- Q4 [A] What is M-Commerce? Explain advantages and disadvantages of M-Commerce. [6]
- Q4 [B] Distinguish between the traditional commercial and modern online transactions. [6]
- OR**
- Q4 [B] List pros and cons of both the transactions.
- Q4 [B] Explain B2C and C2B model with appropriate example. [6]
- Q5 [A] Discuss in detail about E-Payment threats and protections. [6]
- Q5 [B] Discuss online payment using different card systems. [6]
- OR**
- Q5 [B] What is EDI? Discuss its benefits in detail. [6]
- Q6 [A] Explain: (i) Digital certificate and (ii) Digital signature. [6]
- Q6 [B] Write a short note on firewall. [6]
- OR**
- Q6 [B] Enlist and explain Applications of M-Commerce. [6]

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