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SEAT No. _____

No of Printed Pages :2

SARDAR PATEL UNIVERSITY
M.Sc. – INFORMATION TECHNOLOGY (Integrated) CBCS Semester-6
15/4/2017 (Saturday)
E-Commerce (PS06CIIT02)

Time: 2.00 pm – 5.00 pm

Total Marks: 70

Q:1 Select most appropriate single answer:

[10]

- 1) _____ are networks that connect people within a company to each other and to the company network.
(A) Internets (B) Intranets (C) Extranets (D) Componets
- 2) _____ linking geographically dispersed branches, customers and suppliers.
(A) Extranet (B) Telephony
(C) Groupware (D) Interactive communication
- 3) Which of the following describes e-commerce?
(A) Buying products from each other (B) Buying services from each other
(C) Selling services from each other (D) All of the above
- 4) Future of Electronic Commerce consist which of the following
(A) Business to Business (B) Business to Consumer
(C) Consumer to Consumer (D) Consumer to Business
- 5) A set of planned activities designed to result in a profit in a marketplace is known as _____
(A) Business Plan (B) Business Model
(C) Business Process (D) e-commerce Business Model
- 6) Online retail stores, often called _____
(A) Portal (B) E-tailer (C) Service provider (D) Content provider
- 7) _____ sell business services to other firms.
(A) E- distributor (B) B2B Service Provider
(C) Content provider (D) Matchmaker
- 8) Which one of the following is the example of Sales Force Automation
(A) Wireless Device (B) Wire able Devices
(C) Electronic Devices (D) Devices
- 9) CRM stands for _____
(A) Customer Relationship Management (B) Centric Reengineering Model
(C) Customer Reference Management (D) Collective Related Model
- 10) Which of the following identifies a specific web page and its computer on the Web?
(A) Web site (B) Web site address (C) URL (D) Domain Name

Q:2 Write Answers in short. Attempt Any Ten.

[20]

- 1) Define Firewall.
- 2) Define Intranet.
- 3) Explain Extranet Applications.
- 4) What is C2C? Define with example.
- 5) What is Electronic market?
- 6) Define Intra Business E-commerce with example.
- 7) Explain in brief: M-Commerce business model.
- 8) List the various types of stores and e-malls.
- 9) Describe some success factors of e-market.
- 10) Define Campaign management.
- 11) Define Smart Card System.
- 12) Define CRM.

(1)

- Q:3 (A) What is Internet? Explain Architecture of Internet. [6]
(B) Explain Characteristics of Extranet. [4]
OR
- Q:3 (A) Explain Benefits of Intranet and Extranet. [6]
(B) Difference Between Internet, Intranet and Extranet. [4]
- Q:4 (A) What is E-Commerce? Write down classification of EC by Nature of transactions. [6]
(B) Write down limitations of E-Commerce. [4]
OR
- Q:4 (A) Write down benefits to Consumers and Benefits to society. [6]
(B) Write the future of E-Commerce. [4]
- Q:5 (A) Explain Five Primary Revenue model with example. [10]
OR
- Q:5 (A) Explain Following B2B business model with example. [10]
1. E-Distributor
2. B2B Service Provider
- Q:6 (A) Describe Customer Touching Applications in detail. [6]
(B) Write a note on CRM Implementation Issues. [4]
OR
- Q:6 (A) Explain Credit card Payment System. [6]
(B) Explain limitations and types of CRM. [4]

***** Best of Luck *****

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SARDAR PATEL UNIVERSITY
External Examination (CBCS)
M. Sc. - Information Technology (Integrated)
VIth - Semester (CBCS)
PS06CIIT03 - Computer Graphics
18th April, Tuesday - 2017

Time : 02:00 pm to 5:00 pm

Total Marks :70

Q-1 Select an appropriate option.

10

1. _____ is not the application of Computer Graphics.
(a) Computer Aided Design (b) Presentation Graphics
(c) Power Point (d) Computer Art
2. _____ color display method is used in Random scan display.
(a) Shadow mask (b) Beam Penetration
(c) Color display (d) None of the above.
3. _____ is a primary input device for entering string.
(a) Mouse (b) Joystick (c) Trackball (d) Keyboard
4. DDA Stands for _____.
(a) Data Drawing Algorithm (b) Digital Drawing Algorithm
(c) Digital Differential Analyzer (d) Digital Drawing Analyzer
5. _____ is a single character that can be displayed in different colors and in different sizes.
(a) Marker Symbol (b) Font (c) Character (d) Layout
6. _____ Style generated with a line-drawing routine as a closed polyline.
(a) Hatch (b) Solid (c) Patterned (d) Hollow
7. Rotation point is also known as _____.
(a) Rotation angle (b) Rotation axis
(c) Pivot point (d) Translation vector
8. A _____ is a transformation that produces a mirror image of an object.
(a) Translation (b) Reflection (c) Rotation (d) Shear
9. _____ indicates the selected frame number, the current frame rate, and the elapsed time to the current frame.
(a) Layer (b) Timeline (c) Frame (d) Keyframe
10. To transform a gradient or bitmap fill, _____ tool is used in FLASH.
(a) Free transform (b) Ink bottle (c) Paint bucket (d) Fill Transform

- Q-2 Answer the following questions. (Attempt any **TEN**) 20
1. Define terms: (i) Aspect Ratio (ii) Resolution
 2. State disadvantages of DVST.
 3. What is Beam Penetration method?
 4. List the joins used when two line intersect.
 5. Differentiate: Bitmap font and Outline font.
 6. Explain flood fill algorithm (4-connected) with diagram.
 7. Define : (i) Scaling (ii) Shear
 8. What is clipping? List out all clipping object.
 9. State use of Eyedropper and Pan tool.
 10. Define: (i) Masking (ii) Layer
 11. State the purpose of frame and keyframe.
 12. State conditions for clipping a point.
- Q-3 Explain in detail applications of Computer Graphics. 10
- OR**
- Q-3 Write short note: (i) Shadow Mask Method (ii) Software Standards 10
- Q-4
- (a) Write short note on DDA line drawing algorithm. 5
 - (b) Write a short note on Character generation. 5
- OR**
- Q-4
- (a) What is inside–outside test? Explain odd-even rule with example. 5
 - (b) Explain Area fill attributes. 5
- Q-5
- (a) What is geometric transformation? List all 2-D geometric transformation and explain any one in detail. 5
 - (b) Write a short note on Cohen-Sutherland line clipping algorithm. 5
- OR**
- Q-5
- (a) Explain window-to-viewport coordinate transformation. 5
 - (b) Explain in brief Sutherland Hodgeman polygon clipping algorithm. 5
- Q-6
- (a) What is onion skinning? Explain the use of onion skinning in detail. 5
 - (b) Explain movie clip mask animation with example. 5
- OR**
- Q-6
- (a) Explain frame-by-frame animation with example. 5
 - (b) List types of symbols used in FLASH. Explain any one of them in detail. 5

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SEAT No. _____

No. of printed pages : 02

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Sardar Patel University

External Examination (CBCS)

M. Sc.(Integrated) VIth Semester (Information Technology)

PS06CIIT04 – Linux & Shell Programming

20th April, Thursday - 2017

Time : 02:00 P.M. to 05:00 P.M.

Total Marks :70

Q.1 Select an appropriate option.

10

1. The dev directory contains files for controlling _____.
(a) input/output (b) OS (c) Both a and b (d) None
2. PWD stands for _____.
(a) present working directory (b) present working diary
(c) past working directory (d) past working diary
3. Which command is used with vi editor to move the cursor one row up?
(a) i (b) j (c) h (d) k
4. Which command is used with the vi editor to save file and remain in the editing mode?
(a) :q (b) :w (c) :q! (d) :x
5. How do you delete a file?
(a) rm filename (b) cut filename
(c) erase filename (d) remove filename
6. For taking input from the user in shell script _____ command is used.
(a) echo (b) read (c) display (d) all of above
7. Which option of grep displays the line number as well?
(a) -v (b) -l (c) -n (d) -e
8. case statement ends with _____.
(a) end (b) end case (c) esac (d) fi
9. _____ command display the status of a process.
(a) ls (b) ps (c) grep (d) cal
10. The basic function of _____ is to search files for lines (or other units of text) that contain a pattern.
(a) :awk (b) :search (c) %awk (d) :cat

Q.2 Answer the following questions. (Attempt any TEN)

20

1. List Weaknesses of UNIX like Operating system.
2. Explain submit state, hold state.
3. Explain Shell in brief.
4. Which wild card characters are used in linux?
5. List out environment variable with their usage.
6. What is path? Explain with example.
7. Explain how to find length of a string using expr?

8. Differentiate: if and case statement.
9. Explain read and echo command with example.
10. Explain different methods to view files.
11. Write how to start process in Background in Linux?
12. Differentiate: > and >>.

- Q.3** [a] Write a note history of Linux operating system. **5**
[b] Explain the terms Multiuser & multitasking. **5**

OR

- Q.3** [a] Write a short note on features of LINUX. **5**
[b] Explain File System of LINUX in detail. **5**

- Q.4** [a] Write a short note on VI Editor. **5**
[b] Explain the commands cp, mv, rm & rev with example. **5**

OR

- Q.4** [a] Write a short note on File Access Permission. **5**
[b] Explain cut, paste and sort commands with example. **5**

- Q.5** Explain following with example. **10**
(i) while loop (ii) case statement

OR

- Q.5** Explain following with example. **10**
(i) if & nested if statement (ii) for loop

- Q.6** [a] Explain grep command with example. **5**
[b] Write notes on sed filter. **5**

OR

- Q.6** [a] Write a short note on processes in Linux. **5**
[b] Write a short note on awk. **5**

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SARDAR PATEL UNIVERSITYM.Sc. IT (Integrated) – VIth SEMESTER (CBCS)

PS06EIT01 : Enterprise Resource Planning

Date : 22/04/2017

Time : 2:00 PM to 4:00 PM

Max Marks : 70

- Q:1 Write answers of following Multiple Choice Questions : [10]
- [01] The _____ is one of the first activities in any ERP project.
(A) Business Modeling (B) MIS
(C) Data Modeling (D) None of these
- [02] What are the characteristics of information?
(A) Timeliness (B) Accuracy
(C) Relevancy (D) All of these
- [03] Which of the following issue is related to people in ERP risk?
(A) Software Functionality (B) Stage Transition
(C) Project Size (D) Training
- [04] The _____ defines the OLAP.
(A) Fast (B) Data
(C) Cycle (D) Database
- [05] The elapsed time between placing an order and receiving it is known as _____.
(A) On Time (B) Integration
(C) Lead Time (D) Cycle Time
- [06] The _____ covers methods and technologies used by companies to manage their relationships with clients.
(A) SCM (B) CRM
(C) BPR (D) OLAP
- [07] The _____ is a phase where ERP is made available to the entire organization.
(A) Testing (B) Project Planning
(C) Gap Analysis (D) Going Live
- [08] The _____ is a phase where the actual users of the system will be given training on how to use the system.
(A) Gap Analysis (B) End User Training
(C) Going Live (D) Testing
- [09] The _____ is a never ending activity.
(A) Training (B) Documentation
(C) SWOT Analysis (D) None of these
- [10] The _____ gathers financial data from various functional departments and generates valuable financial reports.
(A) HR Module (B) Finance Module
(C) Purchasing Module (D) Manufacturing Module

- Q:2 Answer the following short questions : Attempt Any Ten [20]
- [01] What is Enterprise?
 - [02] What is MRP?
 - [03] List technological related issues in risk of ERP.
 - [04] What is Data Warehousing?
 - [05] Define Product Life Cycle Management.
 - [06] Define Supply Chain Management.
 - [07] What is Reengineering?
 - [08] What is Gap Analysis?
 - [09] What is Going Live?
 - [10] What is SWOT Analysis?
 - [11] Explain Maintenance Phase of ERP in brief.
 - [12] Explain How to Measure the Performance of ERP in brief.

- Q:3 [A] Explain People Related Issues in Risk of ERP. [06]
[B] Explain Integrated Data Model. [04]

OR

- Q:3 [C] Explain Implementation Related Issues in Risk of ERP. [06]
[D] Explain Business Modeling. [04]

- Q:4 [A] Explain On Line Analytical Process (OLAP). [06]
[B] Explain Business Process Reengineering (BPR). [04]

OR

- Q:4 [C] Explain Customer Relationship Management (CRM). [06]
[D] Explain Data Mining. [04]

- Q:5 [A] Explain Objectives of ERP Implementation. [06]
[B] Explain Packet Evaluation Phase of ERP Implementation. [04]

OR

- Q:5 [C] Explain ERP package selection in detail. [06]
[D] Explain Pre-Evaluation Screening Phase of ERP Implementation. [04]

- Q:6 [A] Explain Operations of ERP in detail. [10]

OR

- Q:6 [B] Explain Functional Modules of ERP. [10]

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(2)

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SARDAR PATEL UNIVERSITY

V. V. NAGAR

M. Sc – IT (Integrated) SEM - VI EXAMINATION

Course No : PS06FIIT01

Sub: Software Project Management

Date : 10th Apr 2017

Total marks : 70

Time : 02:00pm To 5:00pm

Q – 1 Multiple Choice Question

[10]

- i) _____ represents how well the product satisfies the customer.
 - a) Cost
 - b) Schedule
 - c) Quality
 - d) None of above
- ii) _____ are high – level, general statements of the organization's intent determined.
 - a) Policies
 - b) Documents
 - c) Processes
 - d) templates
- iii) GSA stands for _____.
 - a) General Service Application
 - b) General Service Area
 - c) General Service Assignment
 - d) General Service Agreement
- iv) _____ gives a logical structure to the user's view of the data in the system.
 - a) Function
 - b) Process Model
 - c) Data Model
 - d) None of these
- v) Which implies that it is possible to trace a requirement to elements in the output of later phases in the life cycle?
 - a) Forward traceability
 - b) Backward traceability
 - c) Both a & b
 - d) None of above
- vi) _____ Can speed up the development process & improve the productivity.
 - a) Hardware
 - b) Software
 - c) Standards
 - d) Utilities & tools
- vii) _____ are the main quality processes.
 - a) Testing & Planning
 - b) Reviews
 - c) Review & Testing
 - d) Audit & Analysis
- viii) _____ Activity focuses on enumerating possible risk to the project
 - a) Risk identification
 - b) Risk Prioritization
 - c) Risk Assessment
 - d) None of above
- ix) _____ provides a mechanism for detecting defects in an extremely cost-effective manner.
 - a) Testing
 - b) Tracking
 - c) Monitoring
 - d) Review process
- x) _____ is the key to learning from the past so as to provide future improvement.
 - a) Defect Analysis
 - b) Review Process
 - c) Project Closure Analysis
 - d) Monitoring

Q – 2 Short Answer attempt any ten (Each carry 2 marks)

[20]

- i) List out reasons for project failure.
- ii) Draw a process architecture and define the terms in it?
- iii) List out the issues relating to project execution in technical proposal
- iv) How traceability matrix is helpful to an organization?
- v) List out the phases involved in development process.
- vi) Distinguish between natural causes & assignable cause.
- vii) Draw a diagram which shows RM activities.

- viii) List out mechanism provided by CM.
 ix) What are the basic steps followed in Risk prioritisation?
 x) What is self preparation log?
 xi) Draw a diagram which shows life cycle of defect.
 xii) List out major activities involved in the planning phase?
- Q – 3 a) Explain the Process Architecture and Software Process Improvement Planning with SEPG [10]
- OR
- Q – 3 a) Describe goals for KPAs at Level 2 (Repeatable) and Level 3 (Defined) [10]
- Q – 4 a) Explain the term High level design and Detailed Design [6]
 b) Explain process tailoring in detail. [4]
- OR
- Q – 4 a) Explain Process database in detail. [6]
 b) Explain Traceability Management [4]
- Q – 5 a) Write note on Quantitative Quality Management [06]
 b) Explain Risk Assessment [04]
- OR
- Q – 5 a) What are the main stage involved in CM process? Explain any two. [06]
 b) Explain Risk Control [04]
- Q – 6 a) Explain Group review meeting log and Group review summary report in brief [5]
 b) Describe in brief archiving [5]
- OR
- Q – 6 a) Explain Role of closure analysis and performing closure analysis [5]
 b) Write a note on auditing [5]

— X —