

No. of Printed Pages : 5

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination  
June, 2012**

**00229**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

**Note :** *Section A - Answer all the objective type questions.*

*Section B - Answer all the very short answer type questions.*

*Section C - Answer any two questions out of three short answer type questions.*

*Section D - Answer any two questions out of three long questions.*

**SECTION - A**

**(Attempt all the questions)**

1. RTO stands for \_\_\_\_\_. 1
  - (a) Recovery Trend Objective
  - (b) Recovery Transfer Objective
  - (c) Recovery Time Objective
  - (d) Recovery Trim Objective
  
2. BIA stands for \_\_\_\_\_. 1

MSEI-026

1

P.T.O.

3. Business are at \_\_\_\_\_ from many Natural and Social hazards. 1
4. SETT Stands for \_\_\_\_\_. 1
5. Risk mitigation is the only solution for Risk Management. 1  
(a) TRUE (b) FALSE
6. UPS Stands for \_\_\_\_\_ and IT stands for \_\_\_\_\_ 1
7. Elements of Risk Assessment are Identity uncertainties, Analyse Risk and \_\_\_\_\_. 1
8. Security is generally defined as the freedom from danger or as the condition of safety. 1  
(a) TRUE (b) FALSE
9. Loss of Integrity is the impact of Information Technology \_\_\_\_\_. 1
10. SMTP stands for Simple Mail Transfer Protocol. 1  
(a) TRUE (b) FALSE

**SECTION - B**

**(5 very short answer type Questions)**

**(Attempt all the questions)**

11. What are the types of Information Security Control in Business Continuity ? 2
12. Write the importance of Project Management. 2
13. What is TEMPLATE and Decision Tree ? 2
14. What is Business Resumption Planning ? 2
15. Write the purpose of business continuity strategy. 2

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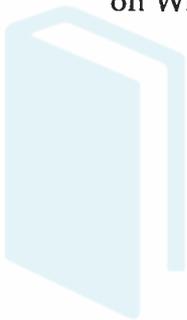
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**SECTION - C**

**(Attempt 2 out of 3 short answer type questions)**

16. Write a short note on BRP methods given below : 5
- (a) Data Backup Practice
  - (b) FTP Maintenance
17. Explain Fundamental Aspects of DMP. 5
18. Write steps to install Backup and Recovery tools on Windows Server. 5



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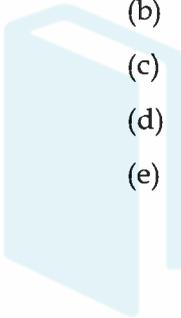
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**SECTION - D**

**(Attempt 2 out of 3 long questions)**

19. What is Risk Analysis and why it is done ? **10**
20. What is the difference between Disaster Recovery and Business continuity ? **10**
21. Write short notes on the following : **2x5=10**
- (a) Business Continuity Plan
  - (b) Monitoring DRP
  - (c) BCM Audit
  - (d) IMP Content
  - (e) Need of BRP



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MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination 00562**

**December, 2012**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : Section A - Answer all the objective type questions.*

*Section B - Answer all the very short answer type questions.*

*Section C - Answer any two questions out of three short answer type questions.*

*Section D - Answer any two questions out of three long questions.*

**SECTION - A**

**(Attempt all the questions)**

1. UPS stands for \_\_\_\_\_. 1
  - (a) Uninterruptible Power Suspend
  - (b) Uninterruptible Power Supply
  - (c) Uninterruptible Ponder Supply
  - (d) None of these
  
2. BIA stands for \_\_\_\_\_ and IT stands for \_\_\_\_\_ 1

3. Business are at \_\_\_\_\_ from many natural and social hazards. 1
4. IS stands for \_\_\_\_\_. 1
5. Risk mitigation is the only solution for risk Management. 1  
(a) True (b) False
6. BCP stands for \_\_\_\_\_. 1
7. Elements of risk Assessments are Identity Uncertainties, Analyze Risk and \_\_\_\_\_. 1
8. Security is generally defined as the freedom from danger or as the condition of safety. 1  
(a) True (b) False
9. Loss of Integrity is the impact of Information Technology \_\_\_\_\_. 1
10. SMTP stands for Simple Mail Transistor Protocol. 1  
(a) True (b) False

**SECTION - B**

**(5 very short answer type questions)**

**(Attempt all the questions)**

- |     |  |   |
|-----|--|---|
| 11. | What do you understand with DR ?         | 2 |
| 12. | What is Business Impact Analysis ?       | 2 |
| 13. | What is Business Resumption Planning ?   | 2 |
| 14. | How do you undertake a Risk Assessment ? | 2 |
| 15. | What is the scope of a DR test ?         | 2 |



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SECTION - C

(Attempt 2 out of 3 short answer type questions)

16. What does of firewall do ? 5
17. Explain the BMC audit process ? 5
18. What is BRP ? Explain the effective DR Planning stage. 5



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SECTION - D

(Attempt 2 out of 3 long questions)

19. What do you mean by Project Management ? 10  
Explain the importance of Project Management.
20. What are the objective of Crisis Management ? 10  
Why it is important to identify the types of Crisis ?
21. Write a short note on the following : 5x2=10
- (a) Template
  - (b) Smoldering Crisis
  - (c) Sudden Crisis
  - (d) Privilege attacks
  - (e) Safety Audit.

No. of Printed Page : 1

MSEI-026 (P)

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

**December, 2012**

**MSEI-026(P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any two out of three carrying 40 marks each.*  
*(ii) Viva - voce carries 20 marks.*

1. How to discover and generate a report of System Vulnerabilities by doing System Audit. 40
2. Write 10 good steps of disaster Management related to Web Server. 40
3. Create a new project and place the tasks for four different phases along with the resources with the start and end date and time along with the cost where the phase 3 is the follower of the finish date of phase 2, by using MS. Project. 40

No. of Printed Pages : 5

MSEI-026

P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)

Term-End Examination 00943

June, 2013

MSEI-026 : BCP, DR PLANNING AND AUDIT

Time : 2 hours

Maximum Marks : 50

- Note :* Section A - Answer all the objective type questions.  
Section B - Answer all the very short answer type questions.  
Section C - Answer any two out of three short answer type questions.  
Section D - Answer any two questions out of three long questions.

SECTION-A

Objective type questions

(Attempt all the questions)

1. QRA stands for \_\_\_\_\_ 1
- (a) Quantitative Risk Analysis
  - (b) Quantitative Risk Analyst
  - (c) Quantitative Risk Analyzing
  - (d) None of these
2. A \_\_\_\_\_ is the period of time within which 1
- system, processes, services, or functions must be recovered after an outage.

3. \_\_\_\_\_ is defined as “the extent to which a community, structure, service and geographic area is likely to be damaged or disrupted by the impact of particular hazard, on account of their nature, construction and proximity to hazardous terrain or a disaster prone area”. 1
4. In JRD session, “JRD” stands for “Joint Requirements Development” : 1  
(a) True (b) False
5. ITSCM stands for the \_\_\_\_\_. 1
6. BCP stands for \_\_\_\_\_. 1  
(a) Business Continuity Planning  
(b) Business Can-do Planning  
(c) Bus Continuity Planning  
(d) Business Conversion Planning
7. SMTP stands for \_\_\_\_\_. 1
- 
8. The purpose of \_\_\_\_\_ is to identify the impacts on the business. 1
9. Risk Identification will be the last step in determining which risk may affect a project. 1  
(a) True (b) False
10. COMAH stands for Control of Major Accidental Hazards. 1  
(a) True (b) False

SECTION-B

Very short type questions

(Attempt *all* the questions)

- |     |  |   |
|-----|--|---|
| 11. | What is Risk Analysis ?                              | 2 |
| 12. | Differentiate Risk and Opportunity.                  | 2 |
| 13. | What does firewall do ?                              | 2 |
| 14. | What do you mean by threats in business continuity ? | 2 |
| 15. | What is BRP ?  | 2 |



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SECTION-C

Short answer type questions

(Attempt 2 out of 3 questions)

16. List out major steps to review the BRP plan. 5
17. Write a short note on Template. 5
18. List out the major steps of "Windows server 2008 recovery" ? Explain EDI. 5



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### SECTION-D

Long answers type questions

(Attempt 2 out of 3 questions)

19. Explain the concept of Decision Tree and BCM. 10
20. What do you understand by Business Continuity Plan ? Explain the Purpose, Process, Methods and Techniques of BCP ? 10
21. Write a short note on the followings : 5x2=10
- (a) DOS Attack
  - (b) Authentication and Privilege Attack
  - (c) Malicious Internet Content
  - (d) System Crash
  - (e) IMP

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MSEI-026 (P)

**POST GRADUATE DIPLOMA IN  
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**Term-End Practical Examination**

**June, 2013**

**MSEI-026(P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any two questions out of three. Each carries 40 marks.*

*(ii) Viva - voce carries 20 marks.*

- 
1. How to back up the documents stored in the folder by using the windows operating system back utilities and restore your system to the last healthy restore point ? 40
  2. Do practical implementation of the following to cover risk analysis of data leakage from the system. 40
    - (a) Block USB
    - (b) Block CD Roms
    - (c) Block Ethernet card
    - (d) Configure firewall block ICMP and
    - (e) Finally generate the report.
  3. Create a project related to IT auditing for the network and plan atleast 4 modules with the use of resources, man power, deadlines by using MS-Project and generate the final GANTT Chart. 40
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No. of Printed Page : 1

MSEI-026 (P)

**POST GRADUATE DIPLOMA IN  
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**Term-End Practical Examination  
December, 2013**

**MSEI-026(P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Attempt any two questions out of three. Each carries 40 marks.*  
(ii) *Viva - voce carries 20 marks.*

1. Generate the available vulnerabilities services Audit report for one of the machine from the LAN. **40**
2. Create a project related to disaster management and plan at least 4 modules with the use of resources, man power, deadlines by using MS - Project and generate the final GANTT chart. **40**
3. Do practical implementation of the following to cover the risk analysis of data leakage from the system. **40**
  - (a) Block USB
  - (b) Block CD Roms
  - (c) Block Ethernet Card
  - (d) Configuring firewall block ICMP And
  - (e) Generate the final report

00851

No. of Printed Pages : 3

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**December, 2013**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : Section A - Answer all the objective type questions.*

*Section B - Answer all the very short answer type questions.*

*Section C - Answer any two questions out of three short answer type questions.*

*Section D - Answer any two questions out of three long questions.*

**SECTION - A**

Objective type questions.

(Attempt all the questions)

1. EDI stands for \_\_\_\_\_ . 1
  - (a) Electronic Data Interchange
  - (b) Electronic Data Interchanges
  - (c) Electronic Data Inter - charged
  - (d) None of these
  
2. A \_\_\_\_\_ is more specific to information system. It is the amount of data that can be lost measured by a time index. 1
  
3. \_\_\_\_\_ can be defined as " Phenomena that pose a threat to people , structures , or economic assets and which may cause a disaster. They could be either manmade or naturally occurring in our environment". 1

4. In JRD session, "JRD" stands for "Joint Requirements Development". 1  
(a) True (b) False
5. ITSCM stands for Information Technology Service Continuity Management. 1  
(a) True (b) False
6. In BCP and DR planning. The RA stands for 1  
\_\_\_\_\_  
(a) Remote automation  
(b) Risk analysis  
(c) Risk Atoms  
(d) Recovery Analysis.
7. DMP stands for \_\_\_\_\_ . 1
8. IMP stands for \_\_\_\_\_ . 1
9. COMAH stands for \_\_\_\_\_ . 1
10. Risk identification will be the first step in determining which risk may affect a project. 1  
(a) True (b) False

### SECTION - B

Very short type questions.

(Attempt all the questions)

11. Explain the purpose of Risk Analysis ? 2
12. What is firewall ? 2
13. Define Opportunity ? Differentiate Risk and Opportunity. 2
14. What do you mean by threats in business continuity ? 2
15. What are the objectives of crisis management ? 2

### SECTION - C

Short answer type questions.

(Attempt **two** out of **three** questions)

16. What are the different methods to reduce the impact of risk? 5
17. Write a short note on project management. 5
18. Explain the tools of windows recovery environment. 5

### SECTION - D

Long answers type questions.

(Attempt **two** out of **three** questions)

19. What is disaster? Explain types of disaster. What do you understand by DMP? 10
20. Explain the concept of Decision Tree and BCM. 10
21. Write a short note on the following : 5x2=10
- (a) System Crash
  - (b) HAZOP
  - (c) FMEA/FMECA
  - (d) Privilege Attack
  - (e) Motion Detectors
-

No. of Printed Pages : 1

**MSEI-026 (P)**

**POST GRADUATE DIPLOMA IN INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

00197

June, 2014

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

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**Note :** (i) Attempt any **two** questions out of three. Each question carries 40 marks.  
(ii) Viva-voce carries 20 marks.

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1. Prepare the Gantt-chart by using the software MS-Project on the basis of BCP for the Network Penetration Testing. On the basis of the following conditions : 40
  - (a) Prepare any 4 phases which are very commonly required for network penetration testing where the phase 3 is dependent on the completion of phase 2.
  - (b) Add the list of resources to accomplish all the phases.
  - (c) Demonstrate the list of resources commonly used for phase 2 and phase 3 with time-line.
  
2. Find out the vulnerabilities on the network with the Log analysis report on the following conditions : 40
  - (a) List of ports opened.
  - (b) Perform the Log analysis of the system and find out the 2 IP Addresses commonly accessed by the same.
  - (c) Generate the list of countermeasures/precautions to be taken on the basis of Audit Report.
  - (d) Export the Audit Report in HTML/XML format.
  
3. Apply the Data Recovery Software on pen-drive and recover the following for the period of one month : 40
  - (a) Deleted files
  - (b) DOC/DOCX files
  - (c) Exe files
  - (d) MP3/JPG files

No. of Printed Pages : 3

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**June, 2014**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- Note : Section A - Answer all the objective type questions.  
Section B - Answer all the very short answer type questions.  
Section C - Answer two out of three short answer type questions.  
Section D - Answer two out of three long questions.*

**SECTION - A**

**(Attempt all the questions)**

1. \_\_\_\_\_ is a complete process of risk assessment and risk control. 1
2. The general definition of an \_\_\_\_\_ is an evaluation of a person, organization system, process, enterprise, project or product. 1
3. Often there may be a BCM plan but it may not contain a BCM policy statement is the most common BCM weakness. 1  
(a) True (b) False
4. MMC stands for \_\_\_\_\_. 1

5. \_\_\_\_\_ are used to verify that the user of an ID is the owner of the ID. 1
6. \_\_\_\_\_ describes the acceptable amount of data loss measured in time. 1
7. In MS project a task that must be completed before another task can start is called a \_\_\_\_\_. 1
8. For performing a Risk Analysis, the first step is to analyze the data. 1  
(a) True (b) False
9. \_\_\_\_\_ are excellent tools for helping you to choose between several courses of Action. 1  
(a) DFD (b) ERD  
(c) Flow Charts (d) Decision Tree
10. RBS stands for \_\_\_\_\_. 1

**SECTION - B**

(5 very short answer type questions)

(Attempt all the questions)

- 
11. What do you understand by the term Risk Assessment ? 2
  12. Explain the standard BCP model with figure. 2
  13. List the policies and procedures to be included when evaluating personnel security. 2
  14. What are causes of system Failures / Crashes ? 2
  15. List the key components of BCM. 2

### SECTION - C

(Attempt 2 out of 3 short answer type questions)

16. When to conduct Risk Analysis ? 5
17. Explain the difference between Risk Management and Business Continuity Management. 5
18. Explain the methods tools and techniques to build up an Operational Response Plan. 5

### SECTION - D

(Attempt 2 out of 3 long questions)

19. What do you understand by Business Continuity Planning ? Explain the Business Continuity Planning process with figure. 10
20. What are the characteristics of a crisis ? Explain the types of crisis in detail. 10
21. Write **short notes** on the following : **2x5=10**
- (a) Types of Risk Analysis.
  - (b) Disaster Preparedness.
  - (c) Backing up / Restoring Critical Data.
  - (d) Crisis Management Planning.
  - (e) Project Management.

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No. of Printed Pages : 1

**MSEI-026 (P)**

**POST GRADUATE DIPLOMA IN INFORMATION SECURITY (PGDIS)**

00964

**Term-End Practical Examination**

**December, 2014**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) Attempt any **two** out of three questions carrying 40 marks each.

(ii) Viva-voce carries 20 marks.

- 
1. Prepare the Gantt-chart by using the software MS-Project on the basis of BCP for the Website Auditing on the basis of the following conditions : 40
    - (a) Prepare any 4 phases which are very commonly required for Website Auditing where the phase 3 is dependent on the completion of phase 2.
    - (b) Add the list of resources to accomplish all the phases.
    - (c) Demonstrate the list of resources commonly used for phase 2 and phase 3 with timeline.
  
  2. Find out the vulnerabilities on the web server with the Log analysis report on the following conditions : 40
    - (a) List of ports opened.
    - (b) Perform the Log analysis of the web server and find out the 2 IP Addresses commonly accessed the web server.
    - (c) Generate the list of the countermeasures/precautions to be taken on the basis of Audit Report.
    - (d) Export the Audit Report HTML/XML Format.
  
  3. Apply the Data Recovery Software on Pen-Drive and recover the following for the period of one month : 40
    - (a) Deleted files/folders
    - (b) xls/xlsx files
    - (c) exe files
    - (d) AVI/3GP files

No. of Printed Pages : 6

**MSEI-026**

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

00684

**December, 2014**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

**Note :**

*Section A – Answer **all** the objective type questions.*

*Section B – Answer **all** the very short answer type questions.*

*Section C – Answer any **two** questions out of three short answer type questions.*

*Section D – Answer any **two** questions out of three long answer type questions.*

**SECTION A**

*Attempt all the objective type questions.*

*10×1=10*

1. Mitigate Risks is an element of \_\_\_\_\_ . 1
2. \_\_\_\_\_ is the exercise of identifying and analysing the potential vulnerabilities and threats. 1

3. The extent of damage in a disaster depends on 1
- (a) the impact, intensity and characteristics of the phenomenon.
  - (b) how people, environment and infrastructures are affected by that phenomenon.
  - (c) Both of the above.
  - (d) None of these.
4. \_\_\_\_\_ are intended to discourage individuals from intentionally violating information security policies or procedures. 1
5. \_\_\_\_\_ and \_\_\_\_\_ can identify instances in which policies and procedures are not being followed satisfactorily. 1
6. \_\_\_\_\_ is the duration of time and a service level within which a business process must be restored after a disaster in order to avoid unacceptable consequences associated with a break in business continuity. 1
7. Crisis that begins as minor internal issues like due to manager's negligence and develops into crisis status is known as \_\_\_\_\_. 1

8. Identify uncertainties, analyse risk and prioritise risks are the elements of Risks Assessment. 1
- (a) True
- (b) False
9. \_\_\_\_\_ is a method for illustrating the sequence of outcomes which may arise after the occurrence of a selected initial event. 1
10. Write the full form of CPM. 1



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## SECTION B

*Answer all 5 very short answer type questions. 5×2=10*

11. List the steps to be followed for completing a Risk Assessment. 2
12. What are the requirements of Business Continuity? 2
13. Explain the term Denial of Services. Write few precautionary steps. 2
14. What do you understand by the term Contingency Planning? 2
15. List the fundamental aspects of Disaster Management. 2

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## SECTION C

*Answer any 2 questions out of 3 short answer type questions.*

*2×5=10*

16. Explain the steps in the Risk Management Process with figure. 5
  
17. Explain the difference between BCM Project Management and Program Management. 5
  
18. What is a Disaster ? Explain the types of Disasters. 5



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## SECTION D

*Answer any 2 questions out of 3 long answer type questions.* *2×5=10*

**19.** What do you understand by Disaster Recovery ? Explain all the differences between Disaster Recovery and Business Continuity. 10

**20.** What are the various security threats to an organisation ? Explain the impact of Information Technology Threat. 10

**21.** Write short notes on the following : 5×2=10

- (a) BRP Phases
- (b) Business Continuity
- (c) Types of Risk Analysis
- (d) Internet Security Concerns Abound
- (e) Business Impact Analysis

No. of Printed Page : 1

**MSEI-026 (P)**

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

00501

**Term-End Practical Examination**

**June, 2015**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Attempt any two questions out of three. Each carries 40 marks.*

(ii) *Viva - voce carries 20 marks.*

1. Generate report for all the vulnerabilities service of the system and audit report for one machine on the LAN. **40**
2. Create a project related to crises management and use at least four modules including resource, manpower, target by using MS - project and generate the final GANTT Chart. **40**
3. Perform the following task to cover the risk analysis of data from the machine. **5x8=40**
  - (a) Block Ethernet Card
  - (b) Configure Firewall
  - (c) Disable USB and CD ROMs
  - (d) Enable login authorization
  - (e) Generate the final report

No. of Printed Pages : 4

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**June, 2015**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- 
- Note :** (i) *Section - A : objective type questions.*  
(ii) *Section - B : very short answer type questions.*  
(iii) *Section - C : short answer type questions.*  
(iv) *Section - D : long answer type questions.*
- 
- 

**SECTION - A**

(Attempt all questions.)

1. What is On Demand Mail Relay (ODMR) ? 1
- (a) SMTP extension  
(b) Protocol for SMTP security  
(c) Protocol for web pages  
(d) None of the above
2. Risk identification will be the first step in project management to determine their affect on project. 1
- (a) True  
(b) False

3. \_\_\_\_\_ is more powerful and complex than \_\_\_\_\_ 1
- (a) POP3; IMAP4
  - (b) IMAP4; POP3
  - (c) SMTP; POP3
  - (d) None of the above
4. A security measure to stop unauthorized access to documents is : 1
- (a) Business continuity, disaster recovery
  - (b) Network access control
  - (c) Physical access restriction
  - (d) Backup, restore
5. Which of the following backup technique is most space efficient ? 1
- (a) Full backup
  - (b) Incremental backup
  - (c) Differential backup
  - (d) None of the above
- 
6. BCP stands for \_\_\_\_\_ and DR stands for \_\_\_\_\_ 1
7. The main objective of an audit is \_\_\_\_\_. 1
- (a) Expression of opinion
  - (b) Detection and prevention of fraud and error
  - (c) Both (a) and (b)
  - (d) Depends on the type of audit
8. Error reports are example of \_\_\_\_\_. 1
- (a) Scheduled
  - (b) Demand
  - (c) Exception
  - (d) Predictive

9. For performing a Risk Analysis, the first step is to analyze the data. 1  
(a) True  
(b) False
10. The econometric model requires : 1  
(a) A computer  
(b) Database with economic data  
(c) Model base of quantitative analysis program  
(d) All of the above

### SECTION - B

(Attempt all the questions.)

11. What is risk mitigation ? 2
12. Why do we need BCM ? 2
13. What do you understand by auditing ? 2
14. What are the different methods to reduce the impact of risk ? 2
15. Write the purpose and need of Data Recovery. 2

### SECTION - C

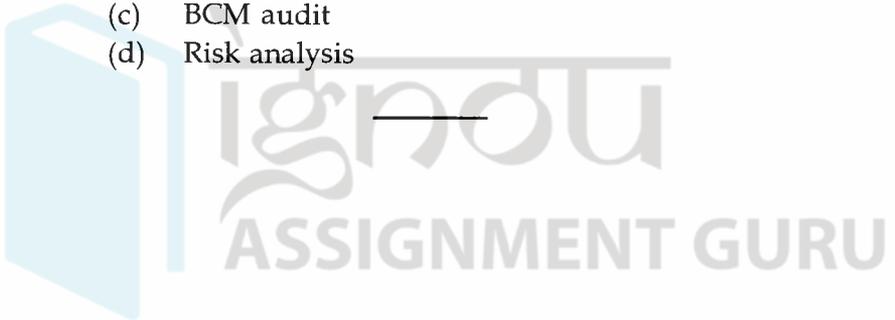
(Attempt 2 out of 3 questions.)

16. What are the different risk analysis techniques ? 5
17. Explain the BMC audit process. 5
18. Write steps to backup and install recovery software on the windows server. 5

## SECTION - D

(Attempt 2 out of 3 questions.)

19. Explain in detail the need of auditing and evaluating BCM. 10
20. What is crisis management ? Why it is important to identify crisis and why it is done ? 10
21. Write short notes on the following : 4x2.5=10
- (a) Project Management
  - (b) Firewall
  - (c) BCM audit
  - (d) Risk analysis



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No. of Printed Pages : 1

**MSEI-026 (P)**

00489

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

**December, 2015**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any two questions out of three. Each carries 40 marks.*

*(ii) Viva - voce carries 20 marks.*

- 
1. Perform the vulnerability assessment of the machine and create audit report for the vulnerability assessment. **40**
  2. Create a project on Business continuity management life cycle of an organization and use all the modules of the BCM with inclusion of resource, time, manpower by MS-project and generate the final GANTT Chart. **40**
  3. Perform the following task to cover the risk of information leakage from the machine. **40**
    - (a) Block ICMP.
    - (b) Disable Network Access.
    - (c) Block USB and CDROMs.
    - (d) Configure the supporting user on the machine.
    - (e) Generate the final report.
-

No. of Printed Pages : 4

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**December, 2015**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- Note :** (i) *Section - A : objective type questions.*  
(ii) *Section - B : very short answer type questions.*  
(iii) *Section - C : short answer type questions.*  
(iv) *Section - D : long answer type questions.*

**SECTION - A**

(Attempt all the questions.)

1. SMTP connection secured by SSL are known as : 1  
(a) SMTPS  
(b) SSMTP  
(c) SNMP  
(d) None of the above
2. Which of the following is not an accepted approach to controlling a computer based information system ? 1  
(a) Prohibition  
(b) Recovery  
(c) Obfuscation  
(d) Containment

3. Which of the following defines the scope of the system ? 1
- (a) Boundary
  - (b) Interface
  - (c) Environment
  - (d) Feedback mechanism
4. Duplicating the design of an item or computer program is known as : 1
- (a) Electronic eavesdropping
  - (b) Reverse engineering
  - (c) Copyright theft
  - (d) Hacking
5. Which of the following qualifies as best DR site ? 1
- (a) DR site in same campus
  - (b) DR site in same city
  - (c) DR site in same country
  - (d) DR site in different country
6. Which of the following is backup software ? 1
- (a) Amanda
  - (b) Bacula
  - (c) IBM storage manager
  - (d) All of the above

7. A \_\_\_\_\_ is a convenient way to organize and store multiple recovery scenario together. 1
- (a) Recovery file
  - (b) Recovery folder
  - (c) Recovery log
  - (d) Log file
8. Auditing standards differ from audit procedures in that procedure relate to : 1
- (a) Audit assumptions
  - (b) Acts to be performed
  - (c) Quality criterion
  - (d) Methods of work
9. Which of the following is true of EDP auditor ? 1
- (a) Computer expertise
  - (b) Traditional auditors
  - (c) Two of the above
  - (d) None of the above
10. \_\_\_\_\_ decisions concern the execution of specific tasks to assure that they are carried out efficiently and effectively. 1
- (a) Strategic
  - (b) Operational
  - (c) Management
  - (d) None of the above

### SECTION - B

(Attempt all the questions)

11. Explain the purpose of risk assessment. 2
12. Why do we need project management ? 2
13. What do you mean by disasters in business continuity ? 2
14. Why do we need auditing ? 2
15. What is BCP ? 2

### SECTION - C

(Attempt 2 out of 3 questions)

16. What are the different methods to analyse the risk ? 5
17. What do you understand by the firewall ? 5
18. What is BRP ? Explain the different DR planning stages. 5

### SECTION - D

(Attempt 2 out of 3 questions)

19. What is disaster ? Explain different types of disasters and disaster simulation exercise. 10
20. Write short notes on the following : 4x2.5=10
  - (a) Risk Mitigation
  - (b) Sudden Crisis
  - (c) Safety Audit
  - (d) Data Backup Practice
21. Explain the concept of business continuity management life cycle. 10

No. of Printed Pages : 1

**MSEI-026 (P)**

08000

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

**June, 2016**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any two questions out of three. Each carries 40 marks.*

*(ii) Viva - voce carries 20 marks.*

- 
1. By using Microsoft project/open project develop a plan assigning resources to task, tracking progress, managing the budget and analyzing work loads etc. **40**

---

  2. Generate Vulnerability Assessment report for two computers in LAN and compare common severities, unique severities and finally propose the mitigation risk factor in each machine. **40**

---

  3. Perform following task to mitigate host vulnerabilities. **5x8=40**
    - (a) Generate the list of open ports.
    - (b) Block any specific port.
    - (c) Disable USB and DVD ROMs.
    - (d) How to process patches/versions management ?
    - (e) Block Ethernet Card.
-

No. of Printed Pages : 4

**MSEI-026**

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**June, 2016**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- Note :*
- (i) Section - A : objective type questions.*
  - (ii) Section - B : very short answer type questions.*
  - (iii) Section - C : short answer type questions.*
  - (iv) Section - D : long answer type questions.*

**SECTION - A**

**(Attempt all questions)**

1. A fatal error caused by \_\_\_\_\_ might be due to a mismatch of chips. **1**
  
2. BRP stands for \_\_\_\_\_. **1**
  
3. A Recovery Time Objective (RTO) is the period of time within which systems, processes, services or functions must be recovered after an outage. **1**  
(a) True                      (b) False

4. Dial up access to a computer system increase the risk of intrusion by : **1**
- (a) Cracker
  - (b) Hacker
  - (c) Network Provider
  - (d) Audit trails
5. BIA stands for \_\_\_\_\_. **1**
6. All fields and data are mentioned when a project is saved as a \_\_\_\_\_. **1**
7. \_\_\_\_\_ is a term that includes computer Virus, Worms, Trojan and any other malicious software. **1**
- 
8. FERC stands for \_\_\_\_\_. **1**
9. Evaluation of a person, organization, system, process, enterprise, project or product is called \_\_\_\_\_. **1**
10. In MS Project a task that must be completed before another task can start is called a \_\_\_\_\_. **1**

## SECTION - B

(Attempt all the questions)

11. How often BCM Plan should be Tested ? 2
12. Why is Risk assessment important ? 2
13. What is BRP ? 2
14. What is a Compound Risk ? 2
15. What does firewall do ? 2

## SECTION - C

(Attempt 2 out of 3 questions)

16. What is environmental Risk Assessment ? And what are the stages of it ? 5
17. What is Business Continuity Management ? How long will it take to prepare a Business Continuity Management Plan ? 5
18. What is BCM Audit Process ? And what are the key considerations in BCM Audit ? 5

## SECTION - D

(Attempt 2 out of 3 questions)

19. What are the authentication and privilege attacks ? Explain briefly. 10
20. What services should be provided by a good business continuity solution ? Explain. 10
21. Write short notes on the following : 5x2=10
- (a) DOS Attack
  - (b) Decision Tree
  - (c) Malicious Internet Content
  - (d) System crash
  - (e) IMP

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No. of Printed Pages : 3

MSEI-026

00802 P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)

Term-End Examination

December, 2016

MSEI-026 : BCP, DR PLANNING AND AUDIT

Time : 2 hours

Maximum Marks : 50

- Note : (i) Section - A : objective type questions.  
(ii) Section - B : very short answer type questions.  
(iii) Section - C : short answer type questions.  
(iv) Section - D : long answer type questions.

SECTION - A

(Attempt all questions)

1. QRA stands for : 1  
(a) Qualitative Risk Analysis  
(b) Quantitative Risk Analyst  
(c) Quantitative Risk Analyzing  
(d) None of these
2. When FMECA is extended by a critically analysis the technique is then called \_\_\_\_\_. 1
3. CMT stands for \_\_\_\_\_. 1
4. Denial of service of an attack that prevents legitimate users from making use of a service and it can be very hard to prevent. 1  
(a) True (b) False

5. \_\_\_\_\_ is the transformation of Plain text into Cipher text by Cryptographic techniques. 1
6. An end user may unknowingly introduce \_\_\_\_\_ on the network when they run malicious executable code. 1
7. Health Disaster Management Programme evaluated by : 1
- (a) Evaluation of preparedness programme
  - (b) Evaluation of Mitigation measures
  - (c) Evaluation of the training
  - (d) All of above
8. The \_\_\_\_\_ technique was developed in early 1970 by Imperial Chemical Industries Ltd. 1
9. Tracking Progress of the Project has two techniques were called \_\_\_\_\_ and \_\_\_\_\_. 1
10. \_\_\_\_\_ are used to verify that the user of an ID is the owner of the ID. 1

SECTION - B

(Attempt all the questions)

11. Differentiate Risk and Opportunity. 2
12. What is meant by disaster recovery ? 2
13. Explain Resumption. 2
14. What is Biometric Access Control ? 2
15. Explain the term Template. 2

### SECTION - C

(Attempt 2 out of 3 questions)

16. Mention any five risk identification methods along with their advantage and disadvantage. 5
17. What is meant by Window Server backup ? 5
18. List any five potential causes for system failure. 5

### SECTION - D

(Attempt 2 out of 3 questions)

19. How long will it take to prepare a business continuity Management Plan ? 10
20. Name the different stages present in the five-stage Crisis Management framework. 10

---

21. Write short notes on : 5x2=10

- (a) Boycott
- (b) Safety Management Organisation review Technique
- (c) Example of RBS
- (d) BCM Audit
- (e) Contingency Planning

No. of Printed Pages : 4

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**June, 2017**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : (i) Section - A : objective type questions.(Answer all)*

*(ii) Section - B : very short answer type questions.  
(Answer all)*

*(iii) Section - C : short answer type questions.(Answer  
2 out of 3)*

*(iv) Section - D : long answer type questions.(Answer  
2 out of 3 )*

**SECTION - A**

**(Attempt all the questions)**

1. SMTP uses the TCP Port : 1  
(a) 22                      (b) 23      (c) 24      (d) 25
  
2. QRA Stands for : 1  
(a) Quantitative risk analysis  
(b) Quantitative risk analyst  
(c) Quantitative risk analyzing  
(d) None
  
3. A stand by server that exists only to take over for 1  
another server in the event of its failure is known  
as a (n) :

- (a) Asymmetric server cluster
  - (b) rollover server
  - (c) failsafe server
  - (d) symmetric server cluster
4. RAID is an abbreviation of : 1
- (a) Redundant Architecture for Interdependent Discs
  - (b) Resilient Architecture for Interrelated Data Storage
  - (c) Redundant Array of IDE Drives
  - (d) Redundant Array of Drives
5. A UPS Can perform each of the following except : 1
- (a) Prevent certain applications from launching that will consume too much power.
  - (b) Disconnect users and shut down the server.
  - (c) Prevent any new users form logging on
  - (d) Notify all users that they must finish their work immediately and log off.
- 
6. Which of the following is not a characteristic of a disaster recover plan (DRP) : 1
- (a) It is updated regularly
  - (b) It is a private document only used by top-level administrators for planning.
  - (c) It is written
  - (d) It is detailed
7. Any time the contents of a file are changed, the archive bit is changed to \_\_\_\_\_, meaning that this modified file now needs to be backed up. 1
- (a) 0      (b) 1      (c) 2      (d) 3

8. Business activities that are contracted to a third party is known as : 1  
(a) IT outsourcing (b) Outsourcing  
(c) Business process (d) None
9. The element of service quality which is defined as a willingness to help customers and provide prompt service is \_\_\_\_\_. 1  
(a) Tangibles (b) Reliability  
(c) Responsiveness (d) None
10. The element of service quality which is defined as the ability to perform the service dependably is \_\_\_\_\_. 1  
(a) Assurance (b) Reliability  
(c) Empathy (d) All

**SECTION - B**

(Attempt All the questions)

11. What do you mean by risk mitigation ? 2
12. Why do we need BCM ? 2
13. What is BCP ? 2
14. Explain the purpose of risk assessment. 2
15. Why do we need Project management ? 2

**SECTION - C**

(Attempt 2 out of 3 questions)

16. What are the different risk analysis technique ? 5
17. What is BRP ? Explain the different DR planning stages. 5
18. Explain the fundamental aspects of DMP. 5

**SECTION - D**

(Attempt 2 out of 3 questions)

19. What is crisis management ? Why it is important to identify crisis and why it is done ? 10
20. Write short notes on the following : 10
- (a) Risk Analysis
  - (b) Safety Audit
21. Write the difference between Disaster recovery and business continuity. 10

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No. of Printed Pages : 4

MSEI-026

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**December, 2017**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- Note :*
- (i) *Section - A : objective type questions. (Answer all)*
  - (ii) *Section - B : very short answer type questions. (Answer all)*
  - (iii) *Section - C : short answer type questions. (Answer 2 out of 3)*
  - (iv) *Section - D : long answer type questions. (Answer 2 out of 3)*

**SECTION - A**

(Attempt all the questions)

1. The element of service quality which is defined as the knowledge and courtesy of employees and their ability to convey trust and confidence is \_\_\_\_\_ 1
- (a) Assurance (b) Reliability
- (c) Responsiveness (d) None

2. A security measure to enable accidentally or deliberately deleted data to be resurrected is \_\_\_\_\_ 1
- (a) Network access control
  - (b) Disaster recovery
  - (c) Backup / Restore
  - (d) None
3. A security measure to stop unauthorized access to document is \_\_\_\_\_ 1
- (a) Business continuity
  - (b) Physical access restrictions
  - (c) Network access control
  - (d) None
4. \_\_\_\_\_ is the maximum length of time that an organization can tolerate between data backups. 1
- (a) Recovery service point
  - (b) Recovery point objective
  - (c) Optimal recovery time frame
  - (d) None
5. When an unauthorized event occurs, the first duty of the computer forensics response should be to \_\_\_\_\_ 1
- (a) Log-off the server
  - (b) Secure the crime scene
  - (c) Backup the hard drive
  - (d) Reboot the system
6. The chain of \_\_\_\_\_ documents that the evidence was under strict control at all times and no unauthorised person was given the opportunity to corrupt the evidence. 1
- (a) Forensics
  - (b) Evidence
  - (c) Control
  - (d) Custody

7. Each of the following is a basic question to be asked regarding creating a data backup except \_\_\_\_\_ 1
- (a) How long will it take to finish the backup ?
  - (b) Where should the backup be stored ?
  - (c) What media should be used ?
  - (d) None
8. Which one of the following protocol is used to receive mail messages ? 1
- (a) SMTP
  - (b) Post office protocol
  - (c) Internet message access protocol
  - (d) All
9. Any time the contents of a file are changed, the archive bit is changed to \_\_\_\_\_ meaning that this modified file now needs to be backed up. 1
- (a) 0
  - (b) 1
  - (c) 2
  - (d) 3

- 
10. QRA stands for \_\_\_\_\_ 1
- (a) Quantitative Risk Analysis
  - (b) Quantitative Risk Analyst
  - (c) Quantitative Risk Analyzing
  - (d) None

### SECTION - B

(Attempt all the questions)

11. Explain the purpose of risk assessment. 2
12. Why do we need BCM ? 2

13. Write the purpose and need of Data Recovery. 2
14. Differentiate risk and opportunity. 2
15. What do you mean by threat in business continuity ? 2

**SECTION - C**

(Attempt 2 out of the 3 questions.)

16. Explain the BMC audit process. 5
17. What steps must be taken for the development of a risk model ? 5
18. Write the short note on BRP methods given below : 5
- (a) Data backup practice
  - (b) FTP maintenance

**SECTION - D**

(Attempt 2 out of 3 questions.)

19. Explain in detail the need of auditing and evaluating BCM 10
20. Write short note on the following : 10
- (a) Business Continuity Plan
  - (b) Monitoring DRP
  - (c) IMP content
  - (d) Need of BRP
21. Write the difference between Disaster recovery and business continuity. 10
-

No. of Printed Pages : 3

**MSEI-026**

00985

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**June, 2018**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

- Note :*
- (i) Section - A : Answer all the objective type questions.*
  - (ii) Section - B : Answer all the very short answer type questions.*
  - (iii) Section - C : Answer two questions out of three short answer type questions.*
  - (iv) Section - D : Answer any two questions out of three long answer type questions.*

**SECTION - A**

(Attempt all the questions)

1. \_\_\_\_\_ = Hazards × Exposure. 1
2. BIA stands for \_\_\_\_\_. 1
3. CPM stands for \_\_\_\_\_. 1
4. Project Plans saved as a \_\_\_\_\_ of which we should use at a later stage for other Project Plans. 1
5. DRP stands for \_\_\_\_\_. 1

6. \_\_\_\_\_ are defined as Phenomena that pose a threat to people, structures, or economic assets and which may cause a disaster. 1
7. The British standard \_\_\_\_\_ for Business Continuity sets out six elements to the BCM Process. 1
8. DMZ stands for \_\_\_\_\_. 1
9. EMV stands for \_\_\_\_\_ analysis. 1
10. \_\_\_\_\_ =  $\log(\text{likelihood}) + \log(\text{impact magnitude})$  1

### SECTION - B

(Attempt all)

11. Explain Qualitative Risk Analysis. 2
12. What is Process Risk ? 2
13. Explain Business Continuity Programme Cycle. 2
14. Explain Computer Disaster Recovery issue. 2
15. What are the key factors on which Project Management based on ? 2

### SECTION - C

(Attempt 2 out of the 3 questions.)

16. What is information Security Risk Assessment with its Recommendations ? 5
17. Explain Risk Mitigation and its contingency Plan. 5
18. Explain any two security threats to an Organization with examples. 5

**SECTION - D**

(Attempt 2 out of 3 questions.)

19. Explain five strategies of BCP. 10
20. What are BRP Phase ? Explain its four phase. 10
21. What are the types of characteristics of a CRISIS ? 10



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No. of Printed Pages : 1

**MSEI-026 (P)**

00205

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

**June, 2018**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

**Note :** (i) *Attempt any two questions out of three. Each carries 40 marks.*

(ii) *Viva - voce carries 20 marks.*

- 
1. Generate Audit Report which include Assets Management and Vulnerability Assessment Report for four Computers in LAN which include different level of severities and finally propose the mitigation risk factors in each machine. **40**
  2. Perform following tasks to mitigate host vulnerabilities : **40**
    - (a) Generate the list of open ports.
    - (b) Block any specific port/service.
    - (c) Disable USB and DVD ROMs.
    - (d) Configure Firewall and block/allow ICMP Protocol.
    - (e) List all the active network connection details, which includes Source and Destination IP, Port list along with their Geographical location etc.
  3. Plan a project management for a company "ABC Pvt. Ltd." by using Microsoft Project/Open Project. The purpose is to develop a plan and assign tasks to the resources, manage the budget, tracking progress based on Time line etc. **40**
-

No. of Printed Pages : 3

**MSEI-026**

01202 **P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

**Term-End Examination**

**December, 2018**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : (i) Section - A : Answer all the objective type questions.*

*(ii) Section - B : Answer all the very short answer type questions.*

*(iii) Section - C : Answer two questions out of three short answer type questions.*

*(iv) Section - D : Answer any two questions out of three long answer type questions.*

**SECTION - A**

**(Attempt all the questions)**

1. PERT stands for \_\_\_\_\_. 1
2. Self-Assessment is the part of BCM Audit. 1  
(True/False)
3. QRA stands for \_\_\_\_\_. 1
4. Risk Assessment is not a process of risk analysis and risk evaluation. 1  
(True/False)
5. ITSCM stands for \_\_\_\_\_. 1

6. BIA stands for \_\_\_\_\_. 1
7. WBS stands for \_\_\_\_\_. 1
8. CMT stands for \_\_\_\_\_. 1
9. IRQ stands for \_\_\_\_\_. 1
10. What is the file extension of Microsoft Project Software ? 1

### SECTION - B

(Attempt all the questions)

11. Define and explain Risk Control. 2
12. Explain any two identifying Potential Threats. 2
13. Explain the term Monitoring DRP. 2
14. What are the benefits of a BCM Audit ? 2
15. What is the difference between Vulnerabilities and Risk ? 2

### SECTION - C

(Attempt 2 out of 3 questions)

16. List any five potential causes for System Failure. 5
17. Explain the procedure to recover from the IT Disaster Scenarios. 5
18. Difference between BCP and BCM. 5

**SECTION - D**

(Attempt 2 out of 3 questions)

19. Write Risk Assessment Methodology. 10
20. What is Business Resumption Planning ? What is checklist and BRP Format ? 10
21. Define the following : 5x2=10
- (a) Restoration
  - (b) Prevention
  - (c) Physical control
  - (d) BCM Audit life-cycle
  - (e) Disaster Management Programme



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No. of Printed Pages : 2

**MSEI-026 (P)**

00462

**POST GRADUATE DIPLOMA IN  
INFORMATION SECURITY (PGDIS)**

**Term-End Practical Examination**

**December, 2018**

**MSEI-026 (P) : BCP, DR PLANNING AND AUDIT**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : (i) Attempt any two questions out of three. Each carries 40 marks.*

*(ii) Viva - voce carries 20 marks.*

---

1. Generate Audit Report which include Assets Management and Vulnerability Assessment Report of any Web Server which include different level of Severities and finally propose the mitigation risk factors according to the running services and programming language. **40**

---

2. Perform following tasks to mitigate host level Vulnerabilities. **40**

- (a) How to Process Patches/Versions Management ?
- (b) Stop Startup programmes.
- (c) Create New user and assign limited Services.
- (d) Display the list of used Pen-drive on the specific Host.
- (e) Disable Ethernet Card.

3. Plan a Project Management for a Company “XYZ Pvt. Ltd.” by using Microsoft project/open Project. The purpose is to develop Website Auditing milestone plan where the requirements is to assign Tasks to the available resources like Project Managers, Team Leaders and Auditors etc. Create Scheduler via Calendars, and sub activities / Modules of the Auditing, according to the dependencies and Timeline. **40**



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No. of Printed Pages : 6

**MSEI-026**

**P.G. DIPLOMA IN INFORMATION SECURITY  
(PGDIS)**

01454 **Term-End Examination**  
**June, 2019**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 hours*

*Maximum Marks : 50*

**Note :**

*Section A – Answer **all** the objective type questions.*

*Section B – Answer **all** the very short answer type questions.*

*Section C – Answer any **two** questions out of three short answer type questions.*

*Section D – Answer any **two** questions out of three long answer type questions.*

**SECTION A**

*Attempt **all** the objective type questions.*

1. A good example of defense in depth is

1

- (a) the use of exhaustive software testing
- (b) the detection of worm and virus signatures in incoming packets
- (c) the use of multiple firewalls in an organization
- (d) None of the above

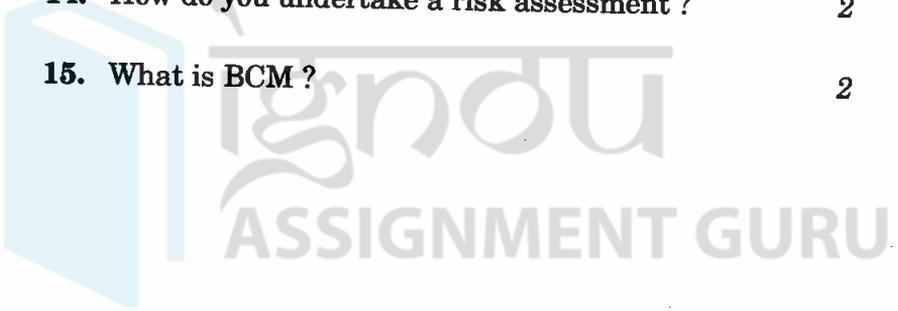
2. RAID is an abbreviation of \_\_\_\_\_ . 1
- (a) Redundant Array of Independent Disks
  - (b) Redundant Array of Inexpensive Disks
  - (c) Both a and b
  - (d) None of the above
3. A security measure to enable accidentally or deliberately deleted data to be resurrected is 1
- (a) Network access control
  - (b) Business continuity/Disaster recovery
  - (c) Physical access restrictions
  - (d) Backup/Restore
4. Every risk has 100% likelihood. 1
- (a) True
  - (b) False
5. What is associated with the product risk ? 1
- (a) Control of test item
  - (b) Negative consequences
  - (c) Test object
  - (d) None of the above
6. Software risk always involves two characteristics. What are those characteristics ? 1
- (a) Uncertainty and loss
  - (b) Certainty and profit
  - (c) Staff size and budget
  - (d) None of the above

7. Uncertainty about outcomes that can be either positive or negative is known as 1
- (a) Hazard
  - (b) Risk
  - (c) Speculation
  - (d) None of the above
8. Which of the following Information Technology contingency solutions for servers minimizes the recovery time window ? 1
- (a) Electronic vaulting
  - (b) Load balancing
  - (c) Disk replication
  - (d) Remote journaling
9. Regarding contingency planning, which of the following IT platforms requires vendor service-level agreements ? 1
- (a) Desktop computers
  - (b) Servers
  - (c) Distributed systems
  - (d) WAN
10. Regarding Business Continuity Planning (BCP) and Disaster Recovery Planning (DRP), which of the following contingency solutions for WANs increases vulnerability of hackers ? 1
- (a) Redundant Communication Links
  - (b) Multiple Network Service
  - (c) Multiple Internet Connections
  - (d) None of the above

## SECTION B

*Answer all five very short answer type questions.*

- |  |   |
|--|---|
| 11. Define BCP.  | 2 |
| 12. What do you mean by BRP ?                          | 2 |
| 13. Write the difference between risk and opportunity. | 2 |
| 14. How do you undertake a risk assessment ?           | 2 |
| 15. What is BCM ?                                      | 2 |



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## SECTION C

*Answer any two questions out of three short answer type questions.*

16. Describe risk reduction process. 5
17. Describe the threats in business continuity. 5
18. What is project management ? Explain the importance of project management. 5



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## SECTION D

*Answer any **two** questions out of three long answer type questions.*

- 19.** Explain the purpose, process, methods and techniques of BCP. 10
- 20.** Write a disaster recovery plan and define disaster recovery strategies. 10
- 21.** Write short notes on the following : 5×2=10
- (a) DDOS and RDDOS Attack
  - (b) Authentication and Identification
  - (c) Safety Audit
  - (d) Risk Analysis
  - (e) Risk Mitigation

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No. of Printed Pages : 4 M01264

MSEI-026

**P.G. DIPLOMA IN INFORMATION  
SECURITY(PGDIS)**

**Term-End Examination,**

**December 2019**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 Hours*

*[Maximum Marks : 50*

- Note :*
- (i) Section-A : objective type questions. (Answer all )*
  - (ii) Section-B : very short answer type questions. (Answer all )*
  - (iii) Section-C : short answer type questions. (Answer 2 out of 3 )*
  - (iv) Section-D : long answer type questions. (Answer 2 out of 3 )*

**Section - A**

Attempt all the questions.

10×1=10

1. Regarding BCP and DRP, which of the following IT platforms typically provide some inherent level of redundancy? 1
- (a) Mainframe systems
  - (b) Distributed systems
  - (c) Desktop computers
  - (d) None

(2)

2. Which of the following IT contingency solutions provides Recovery Time Objectives (RTOs) ranging from minutes to several hours? 1
- (a) Synchronous mirroring
  - (b) Asynchronous mirroring
  - (c) Single location disk replication
  - (d) None
3. Regarding BCP and DRP' Redundant Array of Independent Disk (RAID) does not do which of the following 1
- (a) Provide disk redundancy
  - (b) Provide power redundancy
  - (c) Provide fault tolerance for data storage
  - (d) None
4. Which of the following task is not a part of disaster recovery planning? 1
- (a) Selecting an alternate processing site
  - (b) Relocating to a primary processing site
  - (c) Restoration procedures
  - (d) None
5. Regarding contingency planning system-level information backups do not require which of the following to protect their integrity while in storage? 1
- (a) Passwords
  - (b) Digital signatures
  - (c) Encryption
  - (d) None

(3)

6. Risk management is one of the most important jobs for a \_\_\_\_\_ 1  
(a) Client (b) Investor  
(c) Production team (d) Project manager
7. Which type of risk presents only the chance of loss or no loss? 1  
(a) Pure risk (b) Strategic risk  
(c) Financial risk (d) None
8. Risk management is a responsibility of the \_\_\_\_\_ 1  
(a) Customer (b) Investor  
(c) Developer (d) Project team
9. Risk management is important part of a project management. 1  
(a) True (b) False
10. What assess the risk and your plans for risk mitigation and revise these when you learn more about the risk? 1  
(a) Risk monitoring (b) Risk planning  
(c) Risk analysis (d) Risk identification

### Section - B

Attempt all the questions

11. What do you mean by risk analysis? 2
12. What is Risk mitigation? 2
13. What is the scope of DR test? 2
14. Define BCM. 2
15. Why is it important to have a business continuity plan? 2

(4)

**Section - C**

Attempt 2 out of 3 questions.

16. Explain business resumption plan. 5
17. Write the six Business Continuity Management (BCM) life cycle. 5
18. What steps must be taken for the development of a risk model? 5

**Section - D**

Attempt 2 out of 3 questions.

19. Why develop a risk model? Explain the risk analysis method. 10
20. What is BCP? Explain the steps of business. 10
21. What is Audit? Explain the Business Continuity Management (BCM) plans. 10



No. of Printed Pages : 6

MSEI-026

**P. G. DIPLOMA IN INFORMATION  
SECURITY (PGDIS)**

**Term-End Examination**

**June, 2020**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 Hours*

*Maximum Marks : 50*

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**Note :** (i) **Section A :** Answer all the objective type questions.

(ii) **Section B :** Answer all the very short answer type questions.

(iii) **Section C :** Answer any two questions out of three short answer type questions.

(iv) **Section D :** Answer any two questions out of three long answer type questions.

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[ 2 ]

MSEI-026

**Section—A**

1. DRP stands for ..... 1
2. Every risk has 100% livelihood. 1
  - (a) True
  - (b) False
3. Risk management is responsibility of the : 1
  - (a) Customer
  - (b) Investor
  - (c) Developer
  - (d) Project team
4. Risk is expressed in terms of probability and impact. 1
  - (a) True
  - (b) False
5. As a tester which of the following will come under product risk if you are testing an e-Commerce website ? 1
  - (a) Shortage of testers
  - (b) Many changes in SRS that caused changes in test cases.

[ 3 ]

MSEI-026

- (c) Failure to transfer a user to secure gateway while paying.
- (d) All of the above
6. What is associated with product risk ? 1
- (a) Control of test item
- (b) Negative consequences
- (c) Test object
- (d) None of the above
7. What is another name for contingency planning ? 1
- (a) Ad hoc Planning
- (b) Scenario Planning
- (c) Business Level Planning
- (d) None of the above
8. To what time-frame do strategic plans relate ? 1
- (a) Long-term
- (b) Medium-term
- (c) Short-term
- (d) None of the above

[ 4 ]

MSEI-026

9. Which one of the following is not a key management skill in planning? 1

- (a) Conceptual skills
- (b) Analytical skills
- (c) IT and computing skills
- (d) None of the above

10. Which of the following should not be released in a publicly released BCP? 1

- (a) Process flows
- (b) Contact lists
- (c) BIA results
- (d) All of the above

**Section—B**

- 11. What is DR strategy? 2
- 12. What is risk mitigation? 2
- 13. Define process risk. 2

[ 5 ]

MSEI-026

14. Discuss Business Continuity Management (BCM). 2
15. What is disaster recovery plan in information technology ? 2

Section—C

16. What are the five stages of risk assessment ? 5
17. Write short notes on BRP methods given below :  $2 \times 2\frac{1}{2} = 5$
- (a) Data backup practice

(b) FTP maintenance

18. Write the importance of project management. 5

Section—D

19. Explain *four* effective risk mitigation strategies. 10
20. Explain the concept of business continuity management life cycle. 10

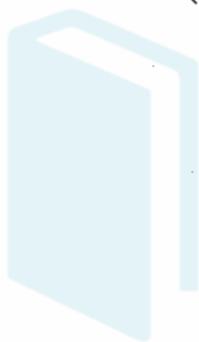
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[ 6 ]

MSEI-026

21. Write short notes on the following :  $2\frac{1}{2} \times 4 = 10$

- (a) Business continuity plan
- (b) Monitoring DRP
- (c) BCM audit
- (d) Need of BRP



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**MSEI-026**

**P. G. DIPLOMA IN INFORMATION  
SECURITY (P. G. D. I. S.)**

**Term-End Examination**

**December, 2020**

**MSEI-026 : BCP, DR PLANNING AND AUDIT**

*Time : 2 Hours*

*Maximum Marks : 50*

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**Note : Section A :** Answer all the Objective type questions.

**Section B :** Answer all the Very short answer type questions.

**Section C :** Answer 2 out of 3 Short answer type questions.

**Section D :** Answer 2 out of 3 Long answer type questions.

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**Section—A**

**Note :** Attempt all questions.

10×1=10

1. Which of the following techniques will ensure that impact of risk will be less ?

(a) Risk avoidance technique

- (b) Risk contingency technique
  - (c) Risk mitigation technique
  - (d) None of the above
2. Which of the following is not a recognized type of plan ?
- (a) Business
  - (b) Financial
  - (c) Ad hoc
  - (d) None of the above
3. When should the BCP be reviewed ?
- (a) Whenever encountering a disaster
  - (b) At least annually or whenever significant changes occur
  - (c) Whenever the company gets audited
  - (d) None of the above
4. What are the means by which long term objectives will be achieved ?
- (a) Strategies
  - (b) Policies
  - (c) Strength
  - (d) Opportunities

5. A possible and desirable future state of an organization is called ..... .
  - (a) Mission
  - (b) Vision
  - (c) Strategy implementation
  - (d) None of the above
  
6. What are the guides to decision making ?
  - (a) Rules
  - (b) Procedure
  - (c) Goals
  - (d) Policies
  
7. Strategic management handles ..... .
  - (a) External issues
  - (b) Management issues
  - (c) Internal issues
  - (d) None of the above
  
8. How should the level of risk for an organization be determined ?
  - (a) Combining consequence and likelihood of events.
  - (b) Combining importance and acceptance of events.
  - (c) Combining acceptable and tolerable events.
  - (d) None of the above

9. Of which process should business continuity programs be a part ?
- (a) Incident management process
  - (b) Governance process
  - (c) Problem management process
  - (d) None of the above
10. What are the two levels of BCMS objective ?
- (a) Legal and Regulatory
  - (b) Operational and Tactical
  - (c) Strategic and Tactical
  - (d) None of the above

**Section—B**

**Note :** *Attempt all questions.*

11. What motivates an individual or organization to create a computer virus ? 2
12. What is a risk assessment procedure ? 2
13. Explain computer disaster recovery issues. 2
14. What is a business continuity management system ? 2
15. What is risk mitigation ? 2

[ 5 ]

MSEI-026

### Section—C

*Note : Attempt 2 out of the 3 questions.*

16. What are the different methods to analyse the risk ? 5
17. What steps must be taken for the development of a risk model ? 5
18. Write the importance of project management. 5

### Section—D

*Note : Attempt 2 out of 3 questions.*

19. Explain in detail the need of auditing and evaluating BCM. 10
20. What are BRP phases ? Explain its *four* phases.

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21. Explain the concept of business continuity management life cycle. 10

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