**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**
**End Semester Examination, May2021**

**Course:** Information Security Governance  **Semester:** VIII
**Program:** B. Tech CSE+CSF  **Time: 03 hrs.**
**Course Code:** CSSF4006P  **Max. Marks: 100**

**Instructions: 1. Be specific while answering the questions.**
**2. Justify your answers with the help of examples.**
**3. Internal choices are provided in Question 11 and 12**

**SECTION A**

| S. No. | | Marks | CO |
|---|---|---|---|
| Q 1 | Discuss HIPAA and fine for the non-compliance of HIPAA regulations. | 5 | CO1 |
| Q 2 | What does GRC stands for and why we need it? | 5 | CO1 |
| Q 3 | Which of the following statements are true (1*5= 5 Marks)<br><br>1) P@sSw0rD12@# is more secure password in comparison to Password@123.<br>2) Authorization is the core goal of information security.<br>3) CIA refers to Confidentiality, Integrity and Authorization.<br>4) The RTO is the duration of time and a service level within which a business process must be restored after a disaster (or disruption) in order to avoid unacceptable consequences associated with a break in business continuity.<br>5) ITIL provides a consistent set of security objectives for information technology and is published by ISACA. | 5 | CO2, CO1 |
| Q 4 | Which regulatory scheme introduces information security requirements specific to the handling of credit cards? Write full form of the regulatory scheme also. | 5 | CO5 |
| Q 5 | Write full form of the following terms: (1*5=5 Marks)<br>a) COBIT<br>b) MBTI<br>c) ISG<br>d) HIPAA<br>e) ISACA | 5 | CO5 |
| Q 6 | Choose the correct answer (2.5 * 2= 5 Marks)<br>A) Lately 'wannacry' attack was quite in news. What this attack was doing?<br><br>a) Email IDs and hashed passwords, of 17 million users was stolen<br>b) Container handling functions at a terminal of port got affected<br>c) Several thousand computers getting locked down by ransom-seeking hackers<br>d) Phishing email sent to an employee, hackers accessed the credentials to execute a fund transfer for a famous bank | 5 | CO4 |

| | B) For performing banking and other transactions, which type of environment is secure one?<br>a) Personal internet connection on personal pc<br>b) Free Wi-Fi network available at the public place<br>c) Cyber café available in the public place<br>d) All of the above | | |
|---|---|---|---|
| | **SECTION B** | | |
| Q 7 | Why Information Security Policies are important and discuss the process of policy review. | **10** | **CO1** |
| Q 8 | What are the various ways to dismantle Information Security Governance efforts? (Discuss any 10) | **10** | **CO5** |
| Q 9 | What do you understand by MBTI? Discuss its four preference scales? | **10** | **CO4** |
| Q 10 | a) Justify the importance of Configuration and Management Controls.<br>b) Explain Qualitative and Quantitative Risk Analysis with example.<br>(5+5=10 Marks) | **10** | **CO3, CO4** |
| Q 11 | What do you understand by C-Suite? Name five C-suit officers other than CEO, CFO and COO. Discuss their roles also.<br><br>**OR**<br><br>Discuss any 5 recent security breaches in India. | **10** | **CO3** |
| | **SECTION-C** | | |
| Q 12 | What is SWOT analysis, explain with proper example? How to do a SWOT analysis? How to use a SWOT analysis?<br><br>**OR**<br><br>a) Differentiate the terms "Security Control Convergence" and "Security Control Methodology"<br>b) Justify the importance of Information Security Policies. | **20** | **CO2** |