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SEAT No. :

PF-5657

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S.Y. M.C.A.
MANAGAMENT
EPS613MJ : End Point Security
(2024 Pattern) (Semester - III)

Time : 2½ Hours] *[Max. Marks : 50*

Instructions to the candidates :

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

Q1) Solve any Two questions.

a) Explain the importance of endpoint security in mitigating threats like Malware and valunerabilities with example. **[5]**

b) Explain the difference between endpoint security and traditional antivirus Give suitable Examples. **[5]**

c) What is phishing and how does it compromise endpoint security. **[5]**

Q2) a) What are the components of technical access control system? Describe password, MFA and SSO. **[5]**

b) Describe how IDS/IPS complements firewalls in network security including their roles in detection and response for endpoint. **[5]**

OR

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c) Case study : **[10]**

Employee in the finance department of alpha enterprises share the same login credentials for the Accounting system. When one employee left the organization, they used the same credentials remotely to manipulate payroll data.

Discuss the following questions.

i) What type of access control failure occurred here?

ii) How can authentication and accountability be improved?

iii) Suggest technical controls to prevent shared password misuse

iv) What role could MFA and SSO play in strengthening access control

Q3) Solve any Two questions :

a) Explain how encrypted communication protect Endpoint data during transmission and strange. **[5]**

b) Describe the role of biometric authentication in Endpoints security with Example. **[5]**

c) Compare password based authentication with biometric method analysing their suitability for different endpoints types. **[5]**

Q4) Solve any two questions :

a) Describe security layer for network cloud and hybrid environment. **[5]**

b) Describe the roles of CIS contro & ISO/IEC 27001 in guiding Endpoint security framework & compliance. **[5]**

c) Access the role of patch management in valunerability prevention. Is automation always advantages & why or why not. **[5]**

Q5) a) What are the key challenges in security remote work Endpoint? list three tools. **[5]**

b) Compare cloud based Endpoint security with traditional on premises method Analysing benefits. **[5]**

OR

c) Case Study. **[10]**

City hospital adopted BYOD to help doctors & nurses quickly access patient data and medical reports from anywhere. However an incident occured when a nurse's personal talk used to access the hospital database was lost. The Tablet contained unencrypted patient data. Later the hospital faced compliance issue under HIPAA due to Exposure of confidential information.

Discuss the following questions :

i) What were the key security flows in the hospital's BYOD implementation.

ii) How could MDM/MAM solutions and MFA have prevented the data breach.

iii) Suggest policy - level measures to ensure regulatory compliance i.e. data privacy laws, HIPAA etc.

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