11/08/23

Printing Pages : 1 Paper Code BCSE-005 (B) (SVSU:2022-2023/R)

ENROLLMENT NO. | | | | | | | | | | | | | |

B.TECH. (CS/IT/CSE-AI-ML)

4TH YEAR, 8TH SEMESTER EXAMINATION

COMPARATIVE STUDY

[Time: 3:00 Hrs. Max. Marks:70]

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

QUESTION NO.-1: ATTEMPT ANY FOUR PARTS. (4

a)	Explain cultural revolution? Who was the undisputed leader of 'cultural revolution'
b)	What is regionalism?
c)	What is the objective of the ASEAN?
d)	Explain the significance of Comparative study.
e)	What do you mean by Super Power in the international politics?
f)	What was Arab Spring

QUESTION NO.-2: ATTEMPT ANY THREE PARTS. (3*4=12)

a)	Delineate the origin and development of the regional organization.
b)	Discuss the organization and functions of European Union.
c)	Discuss the purpose and principles of the United Nations.
d)	Explain the role of India with China.

QUESTION NO.-3: ATTEMPT ANY THREE PARTS. (3*6=18)

a)	What do you mean by the term "democracy". Critically analyze the democratic culture of India?
b)	Critically evaluate the John Austin's theory of Sovereignty?
c)	Discuss the role and functions of ASEAN.
d)	Explain the India's role in SAARC.

QUESTION NO.-4: ATTEMPT ANY TWO PARTS. (2*7=14)

a)	Explain the main challenges that the United Nations is facing in the present global context.
b)	What is international terrorism? Examine its impact on world politics.
c)	What do you mean by the term Comparative Politics? Explain its nature, scope and significance?

QUESTION NO.-5: ATTEMPT ANY TWO PARTS. (2*7=14)

a)	What is globalization? Discuss the state sovereignty in the there in context of globalization.
b)	What are the main features of democratic regimes? Examine the emerging authoritarian trends in post-colonial countries?
c)	What is Comparative Politics? Discuss the main methods of comparison.

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16/08/23

Printing Pages : 1 Paper Code: BCME-801 (A) (SVSU) : 2022-2023/S

Enrollment No. | | | | | | | | | | | | | |

B. TECH. (CSE(CC)
IVth YEAR VIIIth SEMESTER EXAMINATION
CLOUD SECURITY

[Time : 3:00 Hours] **[Max. Marks : 70]**

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

Ques 1.Attempt any FOUR parts of the following: **(4*3=12)**

a) What do you understand by guest hopping attack? Explain.
b) Explain digital signature with its applications?
c) Define confidentiality with example?
d) What is the impact of code injection vulnerability?
e) Differentiate between IaaS and SaaS?

Ques 2.Attempt any THREE parts of the following: **(3*4=12)**

a) What is hashing?
b) Differentiate between Symmetric and Asymmetric encryption?
c) What are the benefits of using virtualization technology in sandboxing?
d) Explain ESXi security issue?

Ques 3.Attempt any THREE parts of the following: **(3*6=18)**

a) How hypervisor run on virtual machine?
b) What are the 5 significant types of penetration testing? Explain.
c) Differentiate between stream cipher and block cipher with example?
d) Explain virtualization system security issues?

Ques 4. Attempt any TWO parts of the following: **(2*7=14)**

a) How security standards deal with cloud services and virtualization?
b) Differentiate between threats, risk and vulnerabilities?
c) What are the main objectives being solved by data loss prevention?

Ques 5. Attempt any TWO parts of the following: **(2*7=14)**

a) What is cloud compliance and how to achieve it?
b) Explain all security standards used in cloud computing?
c) What is IBM security Virtual Server Protection? Explain its features also.

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16/08/2

Printing Pages : 1 Paper Code BBME-801 (A) (SVSU:2022-2023/R)

ENROLLMENT NO. | | | | | | | | | | | | | |

B.TECH. CSE (BIG DATA)
4TH YEAR, 8TH SEMESTER EXAMINATION
BIG DATA ANALYTICS FOR IOT

[Time: 3:00 Hrs. **Max. Marks:70]**

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

QUESTION NO.-1: ATTEMPT ANY FOUR PARTS. (4*3=12)

a) Define Big Data. Discuss the historical background of big data.
b) Discuss the characteristics of Big Data.
c) Define Fog Computing. Give the historical background of Fog computing.
d) Explain the term Metadata.
e) Discuss the term Spatial Analytics.

QUESTION NO.-2: ATTEMPT ANY THREE PARTS. (3*4=12)

a) How can the Internet of Things leverage Spatial Analytics? Discuss and illustrate with the help of examples, the broad possibilities that the IoT provide for spatial analytics.
b) Explain the advantages, disadvantages and application areas of Fog Computing
c) Describe the concept of Heterogeneity in Internet of Things environment.
d) Discuss the RFID applications and use cases

QUESTION NO.-3: ATTEMPT ANY THREE PARTS. (3*6=18)

a) Describe the Big Data Management in smart grids.
b) Explain the design of Hadoop Distributed File System (HDFS) in detail.
c) Explain the architecture of M2M systems in reference to data analytics.
d) Why the big data is important? Elaborate your answer with suitable example.

QUESTION NO.-4: ATTEMPT ANY TWO PARTS. (2*7=14)

(a) How the energy can be saved in smart building Draw a neat diagram and explain the whole concept.
(b) What do you understand by Smart Grid? Explain the conceptual model for smart grid communication in reference to Internet of Things.
What are the challenges for big data in smart cities? Describe any two challenges in detail.

QUESTION NO.-5: ATTEMPT ANY TWO PARTS. (2*7=14)

(a) Discuss how the RFID works. Also explain the different types of RFID systems.
(b) Describe the working model of sustainability data and analytics in cloud based M2M systems.
(c) What is the significance of Semantic technologies in Big data Metadata management in smart grids? Discuss in detail.

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18/08/23

Printing Pages : 1 | Paper Code: BBME-802 | (A) (SVSU) : 2022-2023/S

Enrollment No.													

B. TECH. (CSE(BDA)
4th YEAR 8th SEMESTER EXAMINATION
WEB SOCIAL AND MOBILE ANALYTICS

[Time : 3:00 Hours] **[Max. Marks : 70]**

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

Ques 1.Attempt any FOUR parts : **(4*3=12)**

a) What is social media?
b) Define digital marketing?
c) List the metrics of social media?
d) Define the term cross-device synergy?
e) How location based advertising is done?

Ques 2.Attempt any THREE parts : **(3*4=12)**

a) Explain benefits of mobile advertising?
b) What are the benefits of user-generated content or UGC?
c) What are the four 4 types of crowd funding?
d) Discuss the layers of mobile ecosystem in detail?

Ques 3.Attempt any THREE parts : **(3*6=18)**

a) Discuss HubSpot: Inbound Marketing and Web 2.0 Case Study Solution?
b) How does television affect social interaction?
c) Explain benefits of mobile advertising?
d) Discuss Bank of America Mobile Banking Case?

Ques 4. Attempt any TWO parts: **(2*7=14)**

a) How STATA module on paid search advertising and in-class data analytics is done?
b) How does mobile computing work and what are its use cases?
c) What is big data and what are the major challenges for big data analytics?

Ques 5. Attempt any TWO parts: **(2*7=14)**

a) Explain BBVA Budget Allocation Digital Case ?
b) Explain NY Times Paywall Case?
c) Which tool is used for Amazon FBA?Explain in detail.

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21/08/2

Printing Pages : 1 Paper Code : BCSE-008 (A) (SVSU:2022-2023/R)

ENROLLMENT NO. | | | | | | | | | | | | | |

B.TECH. (CSE/IT)
4TH YEAR, 8TH SEMESTER EXAMINATION
ECONOMIC POLICIES ININDIA

[Time: 3:00 Hrs. Max. Marks:70]

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS

Ques 1. Attempt any FOUR parts : **(4*3=12)**

a) Write short note on: (i) Life expectancy index, (ii) Education index
b) Write short note on mineral resources..
c) Differentiate economic development and economic growth.
d) Enumerate the features, advantages and disadvantages of socialist and mixed economy.
e) Classify the various types of Industries. .
f) Write Short note on

(A) FERA

(b) FEMA

Ques 2. Attempt any THREE parts : **(3*4=12)**

a) Elaborate on the determinance of economic development..
b) Explain in detail the role of NABARD in Rural Credit.
c) Summarize the role of regional rural banks in rural credit.
d) Analyze in detail about Micro, Small and Medium Enterprises

Ques 3. Attempt any THREE parts : **(3*6=18)**

a) Explain the Role of Public Sector Enterprises in India's Industrialization?
b) Discuss about Balance of Trade and Balance of Payment Concepts.
c) Summarize the Provision, Features and Evaluation of the New Industrial Policy of 1991
d) Elaborate on the various sources of Industrial Finance in India.

Ques 4. Attempt any TWO parts: **(2*7=14)**

A. Analyze the important components of Green Revolution. Summarize the objectives. evolution, features and importance of Public Distribution System.
a) Explain production and productivity.

Ques 5. Attempt any TWO parts: **(2*7=14)**

a) Summarize the objectives, evolution, features and importance of Public Distribution System.
b) Summarize the role of regional rural banks in rural credit
c) "Economic growth and Economic Development". Do they mean the same of different? Discuss with examples

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22/08/22

Printing Pages : 1 **Paper Code : BCSE-812** **(A) (SVSU:2021-2022/R)**

Enrollment No. | | | | | | | | | | | | | |

B.TECH. (CSE)

4TH YEAR, 8TH SEMESTER EXAMINATION

CRYPTOGRAPHY AND NETWORK SECURITY

[Time: 3:00 Hrs. **Max. Marks:70]**

NOTE:- ATTEMPT ALL THE QUESTIONS AS PER GIVEN INSTRUCTIONS.

QUESTION NO.-1: ATTEMPT ANY FOUR PARTS. (4*3=12)

a) Who are treated as intruders on a network?
b) What are the attacks that are possible on RSA?
c) Discuss group, field in detail.
d) What is Security Attacks? Discuss its types.
e) Find gcd (1970, 1066) using Euclid's algorithm.
f) Discuss Triple DES?

QUESTION NO.-2: ATTEMPT ANY THREE PARTS. (3*4=12)

a) Define the term
a. Authentication b. Message integrity
c. Steganography d. Firewall.
b) Difference between MAC and HASH in cryptography.
c) What is birthday attack? Explain with suitable example.
d) Discuss Group, Ring and Field.

QUESTION NO.-3: ATTEMPT ANY THREE PARTS. (3*6=18)

a) Discuss the design of S-Box of AES. How it differs from the S-Boxes of DES.
b) What are the design parameters of Feistel cipher network?
c) Briefly describe Add Round Key.
d) What is DSS? Explain the two approaches of DSS. Also differentiate between ink based signature and digital signature. Explain DSA algorithm.

QUESTION NO.-4: ATTEMPT ANY TWO PARTS. (2*7=14)

a) What do you understand by Chinese Remainder Theorem? Prove with the help of example.
b) Compare and contrast a conventional ink based signature and a digital signature.
c) State and prove Fermat's theorem.

QUESTION NO.-5: ATTEMPT ANY TWO PARTS. (2*7=14)

a) What do you mean by Security Association? Specify the parameters that identify the Security Association? Explain man in the middle attack?
b) What is the key algorithms used in S/MIME? What are the headers fields define in MME?
c) What is message authentication code? How it differs from hash function? Suggest at least one scheme to show that symmetric encryption algorithm can also be used to generate message authentication code.

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