PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022

(Sixth Semester)

Branch - INFORMATION TECHNOLOGY

NETWORK AND INFORMATION SYSTEM SECURITY

Time. Three riours	Maximum: 75 Marks
SECT	IÓN-A (10 Marks)
	ver ALL questions
	s carry EQUAL marks $(10 \times 1 = 10)$
is security applied	to computing devices such as computers and
smartphones, as well as comput	ter networks such as private and public networks,
including the whole Internet.	
(i) Computer security	(ii) Network Security
(iii) Security	(iv) Hacking
The principle of s	pecifies that only the sender and the intended
recipient should be able to access	ss the content of the message.
(i) Integrity	(ii) confidentiality
(iii) Authentication	(iv) Access control
is the gener	al name for unanticipated or undesired effects in
programs or program parts, caus	sed by an agent intent on damage.
(i) Malicious code	(ii) rogue program
(iii) Both a) and b)	(iv) None
A virus that can change its appe	arance is called a
i) polymorphic virus	(ii) Transmission Patterns
iii)Infect disks	(iv) Spread infection
	se in general and all the data for which they are
authorized.	so in Southern and an inicial to Millen med ale
i) Users	(ii) manager
iii) admin	(iv) client
Which of the following has	Proper access controls protect a database from
corruption by unauthorized user	s?
(i) Element integrity	(ii) Element accuracy
iii) Database integrity.	(iv) none
is a device tha	도본의 문화가 형사한 것 같습니다. 회사 회사 회사 회사 회사
network and a less trustworthy o	t filters all traffic between a protected or "inside" or "outside" network
i) firewall	(ii) routers
iii) bridge	(iv) hub
i) mobile code	or code that is pushed to the client for execution. (ii) Active code
iii) Both a) and b)	(iv) All of these
	눈이 가고 하나 하는 소리를 살아가면 그렇게 다 하나 하나 있다.
protects expression ideas.	of a creative work and promotes exchange of
i) Copyright	(ii) public domain
iii) Fair	(iv) patents
	explicitly that certain actions are illegal.
i) Statutes iii) Civil law	(ii) criminal (iv) None of these
any Civil law	(iv) None of these
	and the contract of the contra

SECTION - B (25 Marks)

Answer ALL questions ALL questions carry EQUAL Marks (5 x 5 = 25)

- a Define Attacks. Explain the various types of Attacks.

 OR

 b Write short notes on MD5 with an example.
- 12 a Mention the various types of Malicious code and narrate them.
 - b Define Authentication. Explain the uses of password.
- 13 a Describe the protection features from operating system.

OR

- b How to maintain the consistency and concurrency in database? Explain
- 14 a Explain the comparison of firewall types.

OR

- b List the steps involved in Risk Analysis.
- 15 a Difference between Law and Ethics.

OR

b Write the legal issues related to information.

SECTION -C (40 Marks)

Answer ALL questions ALL questions carry EQUAL Marks

 $(5 \times 8 = 40)$

16 a Summarize the important terms used in Computer Security.

OR

- b Explain in detailed about Public Key Cryptography.
- 17 a How will you determine the non-malicious program errors? Explain
 - b How to make a control against the program threat?
- 18 a Elucidate the requirements of database security.

OR

- b Briefly explain about multilevel database security and its characteristics.
- 19 a Illustrate about concept of threats in network.

OR

- b Define Intrusion Detection System. Explain the various types of IDS's.
- 20 a In which way you can protect the program and data? Explain.

OR

Z-Z-Z

b Summarize the rights of employees and employers.

END