

**CMA DECEMBER, 2020 EXAMINATION
PROFESSIONAL LEVEL-I
SUBJECT: 104. INFORMATION TECHNOLOGY**

Time: 2 hours 30 minutes

Full Marks: 80

- ❖ Answer any **FOUR** of the following questions.
- ❖ Answer must be brief, relevant, neat and clean.
- ❖ Use fresh sheet for answering each question.

Q. No. 1

- (a) What is the role of ICTs in enhancing economic growth, generating new business and employment opportunities?
- (b) Given the current ongoing COVID-19 crisis, how could the Smart Computing, Information Communication Technologies and Cyberspace contribute to solve it?
- (c) How do you see the scope of Distance Learning/Education in the amid of Novel Corona Virus (COVID-19) scenario in your country?

[Marks: (7+7+6) = 20]

Q. No. 2

- (a) What is System Development Life Cycle? What are the roles of a finance manager in perfect designing of Management Information System application of an organization by the IT persons?
- (b) Briefly discuss several data-storage issues that face the modern organization.
- (c) Electronic Commerce is gaining popular as alternate to traditional business. Discuss.

[Marks: (7+5+8) = 20]

Q. No. 3

- (a) What is e-commerce? Mention all the types of e-commerce with appropriate examples?
- (b) "E-Commerce has multi-stage models"- Explain.
- (c) How do you design a strategy for implementing a successful e-commerce for local market?
- (d) "There is no market ready e or m commerce exist- you have to build your own"- how can you justify?

[Marks: (4 x 5) = 20]

Q. No. 4

- (a) Define the term Artificial Intelligence with its brief perspectives on business.
- (b) Distinguish between natural and artificial intelligence.
- (c) Brief Expert Systems and when to use Expert systems in business.
- (d) What is Virtual Reality? State the sectors mostly effective to use VR and the impact of VR as well.

[Marks: (4 x 5) = 20]

Q. No. 5

- (a) What is called Information System Audit? Describe some objectives of Information System Audit.
- (b) Write down some main types of IT audit. Explain IT disaster recovery audit.
- (c) What does IT crime means? Why is it difficult to determine the actual value of IT crime?
- (d) List the various types of IT fraud. Which types primarily affect the merchant but not the individual?

[Marks: (4 x 5) = 20]

Q. No. 6

Write short notes on **(any five)**:

- (a) Primary Key and Foreign Key;
- (b) Biometric Security;
- (c) Service Level Agreement (SLA);
- (d) Pivotal Report of Excel;
- (e) Data Centre, Router and Switch;
- (f) Data Redundancy & DR;

[Marks: (5 x 4) = 20]

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