SEAT No._____

[153/A34]   # SARDAR PATEL UNIVERSITY
MASTER OF COMPUTER APPLICATIONS (MCA)
SEMESTER – V
PS05CMCA03 (BUSINESS INFORMATION SYSTEMS)
27ᵀᴴ OCTOBER, 2018, Saturday

Time : 2:00 p.m. to 5:00 p.m.   Marks : 70

> Note : Answers of all the questions (including multiple choice questions) should be written in the provided answer book only.

Q-1 Pick up the most appropriate answer from the given alternatives and write in your answer book. (8)

(i) A _____ is the physical configuration of departments, work stations, and equipment in the conversion process.
[A] Machine   [B] Layout   [C] Tool   [D] None of these

(ii) CAD stands for _____.
[A] Computer-Aided Design   [B] Computer-Assisted Design
[C] Computer-Aided Development   [D] None of these

(iii) A _____ is a kind of process exists only as a model, as it does not possess sufficient information for it to be used directly in the real world.
[A] Control process   [B] Customized process
[C] Generic process   [D] None of these

(iv) _____ is the study of control and communication in natural and artificial systems.
[A] Project   [B] Cybernatics   [C] Procedure   [D] None of these

(v) _____ is a term for data sets that are so large or complex that traditional data processing application software is inadequate to deal with them.
[A] Small Data   [B] Big Data   [C] Complex Data   [D] None of these

(vi) _____ in today's workforce are individuals who are valued for their ability to act and communicate with knowledge within a specific subject area.
[A] Knowledge experts   [B] Knowledge workers
[C] Experts   [D] None of these

(vii) E-Business enterprise depends on -
[A] the Internet   [B] Intranets   [C] IT   [D] all of these

(viii) An Internet-like network between two or more organizations is known as -
[A] Internet   [B] Intranet   [C] Extranet   [D] None of these

Q-2 Attempt the following: (ANY SEVEN) (14)

i. Define: System. Write examples of it.

ii. What is robot? Explain benefits of it.

iii. Define: Activity and Agent.

iv. Explain role and sub-role in brief.

(PTO)

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v. Define Technology and Information Technology.

vi. What is Digital India Programme? State the vision of Digital India programme.

vii. What is Odoo? Why is it used?

viii. List down fundamental strategic advantage of strategic information system.

ix. Define the terms 'Big Data' and 'Data Curation'.

x. Write the full-form of: ICT, CBIS, ICT, RoR.

Q-3 (a) What is process technology? List and explain types of process technologies. **(6)**

(b) Define: Forecasting. List and explain types of forecasting. **(6)**

OR

(b) Explain research and development in detail. **(6)**

Q-4 (a) Discuss model of process domains in detail. **(6)**

(b) Explain operational processes taking suitable examples. **(6)**

OR

(b) List and explain different process context issues (*ANY SIX*). **(6)**

Q-5 (a) What is 'Information System'? Explain different components of an Information System. **(6)**

(b) Define the term 'Information Quality'. Explain various dimensions of an Information Quality. **(6)**

OR

(b) List down pillars of Digital India Mission. Explain any two of them. **(6)**

Q-6 (a) Explain : e-Business Application Architecture. **(6)**

(b) List down names of various functional areas within business. Explain any two of them. **(6)**

OR

(b) Explain – MRP-I, MRP-II and ERP by taking suitable example. **(6)**

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