

POKHARA UNIVERSITY  
Time-Bound Open Book Hybrid Examination

Level: Bachelors

Semester – Spring

Year: 2020

Program: BE Computer

Full Marks: 70

Course: Information Systems

Pass Marks: 31.5

Time: 2 hrs.

Candidates are required to answer in their own words as far as practicable.  
The figures in the margin indicate full marks.

*Attempt all the questions.*

**Group - A: (5×10=50)**

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|---------|--|-----|
| Q. N. 1 | "Change management is the discipline that guides how we prepare, equip and support individuals to successfully adopt change in order to drive organizational success and outcomes." With an example of a balance scorecard, explain how a company can use the different perspectives of Balanced Scorecard to cope with change management? | 7+3 |
| Q. N. 2 | ERP create knowledge database using data warehousing and data mining application. Discuss the working of Data warehouse. How different mining techniques are used to extract information from the large pool of data? Explain in brief.  | 5+5 |

OR

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|---------|---|-----|
|         | Discuss the role of IT in Enterprise Management. Enterprise System provides an integration to ERP/SCM/CRM. Justify it with example.   | 4+6 |
| Q. N. 3 | Analyze how DSS differ from MIS and KM and how they provide value to the current business models? Also discuss the functioning of GDSS.   | 6+4 |
| Q. N. 4 | Identify the several techniques which are emerging in data and information management field which has changed the user experience in using those information systems. Suggest any of these techniques for making an information system scalable which is dominant at present. | 5+5 |
| Q. N. 5 | Discuss the different types of web mining techniques. Analyze, how web mining uses the behavioural pattern and profiles of user interacting with websites. Explain with example.  | 4+6 |

**Group - B: Problem-solving/case studies (1×20=20)**

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|---------|---|----|
| Q. N. 6 | There are information systems all around us. We encountered them at the university, in stores and banks, when making airline, hotel or rental-car reservation, and in many other aspects of our daily routine. For this project, choose an information system and critique it.<br><br>A. First, describe the system: what are its objectives? Who are the users? Then trace the input of the system to determine who inputs what information? Look at the output of the system. Is it a physical document? Do the systems | 10 |
|---------|---|----|

have to store data on a more or less permanent basis in files or in a database? Can you figure out what is in the database for the system? Draw a diagram of the input, processing, database and outputs of the system.

- B. What could be the possible security threats for the system at different components of the system? Describe with diagram, the possible security threats. How can the system be more secure, discuss about the different techniques? Explain.

10

Best of Luck!