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A INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

Jumai 1-0039

Higher National Diploma in Information Technology First Year, First Semester Examination - 2021 HNDIT 1042 - Information Management and Information Systems

Instructions for candidates: Answer only five questions All questions carry equal marks.

No. of questions: 06 No. of pages

Time

: Three hours

- Date is strains of row facts representing avents occurring In organizations or the physical environment before they have been organized and arrange into a [Total 20 marks] Question 01 form that people can unterstand and use

(i). Define the terms Data and Information. Information we man date

(ii). Briefly discuss the functions of an Information System with neat diagram. The a form that is maning ful and useful to

Dubry: ford book human beings

(04 marks)

"There are many ways to support information for an organisation." Explain.

(06 marks)

(iv). Briefly describe the main categories of information systems which serve in different

TPS- Transaction Processing Syston Organizational levels.

(06 marks)

MIS - Dassion support suster Question 02

(i). State four (04) major enterprise applications

[Total 20 marks]

(04 marks)

(ii). Explain the term 'business process'. Cra the collection of activities (04 marks required to product or survices (iii). "High-quality decisions require high-quality information." State three (03) information

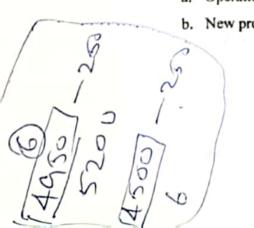
Processing market shore Recoming the high - que lits or low-cost produce. (06 marks) qualities.

Briefly describe the following strategic business objectives by providing appropriate Dovadoping new products examples. Zerocely employee productivity.

a. Operational excellence

New products, services and business models

(06 marks)



(i). Explain the product differentiation with suitable examples.

(ii). What is a Niche market? is the Subset of the market (04 marks) (iii). Read the following description and briefly explain their business strategies.

- a. "Toyota, along with other automobile companies, allows their suppliers access to production schedules. This makes it easier for suppliers to know when to ship parts and supplies without having to communicate back and forth about fulfilling orders. This strategy makes the production process run smoother and faster because the supplier can produce the goods they need and ship them to Toyota just in time for low-cost landarship their production of the vehicles. "
- b. "Walmart's continuous replenishment system sends orders for new merchandise directly to suppliers as soon as consumers pay for their purchases at the cash register. Point-of-sale terminals record the bar code of each item passing the checkout counter and send a purchase transaction directly to a central computer at Walmart headquarters. The computer collects the orders from all Walmart stores and transmits them to suppliers. Suppliers can also access Walmart's sales and inventory data constance - supplair. using web technology. "

The mothed use by argancization to deralop plans to advise overall long-torm apels. (iv) What is Strategic Planning Process in an Enterprise?

Question 04

(i). Define term, Database Management System.

(ii). What are the major capabilities of DBMS?

(iii). Express the following terms in Relational database management system.

a. Tuples - one dete is copy to Tuphs.

b. Primary Key - is a main lang

c. Foreign Key

(iv). Differentiate Data warehouse and Data Mart?

A detables. _ software designed to define, maripulate retrive and marage date in a controllaised

HNDIT 1042 - Information Management and Information Systems – 1st Semester 2021 includes capitalities and tools for organization, in the detabasproduction and Question 05

analysing

Convorstion

[Total 20 marks]

'Information technology can promote various degrees of organizational change, ranging from incremental to far-reaching ', State four (04) levels of organizational (04 marks) changes.

Explain, What type of changes to do in an organization to introduce a new information system?

(04 marks)

Describe the System Development activities.

(06 marks)

Explain the alternative methods for building information systems. (iv).

(06 marks)

Question 06

[Total 20 marks]

(1). What is "wearable device" and explain the how its use on business? (04 marks)

Define term "Big Data". the collection of the dat (04 Marks) (ii).

(12 marks) Write Short notes for the followings. (iii). d. Trojan horse

a. Sociotechnical system

b. Computer virus

c. Worms

~ antamation rectionalization

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