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Bastion of Knowledge...

OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2021 /2022 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION

COURSE CODE: TED 102

COURSE TITLE: COMPUTERS AND MANAGEMENT OF

INFORMATION IN EDUCATION

DATE:02/06 2022   TIME: 9.00AM-12.00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 4 PRINTED PAGES   PLEASE TURN OVER

i. *Answer Question ONE and any other TWO questions.*

ii. *Maps and diagrams should be used whenever they serve to illustrate the answer.*

iii. *Do not write on the question paper.*

Question One

a) Describe the four Steps followed in data processing cycle in a computer system (4 Marks)

b) Explain SIX strategic roles of information system. (6 Marks)

c) Differentiate between operating system software and utility software. (2 Marks)

d) Define information systems security and control. (2 Marks)

e) Outline, three security threats to business information systems. Suggesting one way of dealing with each. (6 Marks)

f) Explain THREE systems conversion strategies stating one advantage and one disadvantage of each. (6 Marks).

g) Given the following decisions situations, explain the most appropriate type of information systems and their use in an organization. (4 Marks)

Question Two

a) By giving relevant examples from an educational institution, explain how TPS are used to support business transactions. (10 Marks)

b) Explain the steps you would use to develop an information system (10 marks)

Question Three

a) Discuss the following types of computers and give examples of each (10 marks)

i. Super computers

ii. Minicomputers

iii. mainframe computers

iv. Embedded computers

b)Discuss four types of feasibility assessment of an information systems project.(10 Marks)

Question Four

a)Explain what is meant by primary and secondary computer storage devices (4marks)

b)Discuss the four components of decision support systems (8 marks)

c) A good Information system should produce information that carries a number of characteristics. List FIVE attributes that characterize this "good information system". (4marks)

d)Differentiate between ROM,RAM types of memory. (4 marks)

Question Five

a)Using a diagram explain the different types of information systems that can be used in a school. (10 Marks)

By giving relevant examples discuss FIVE roles telecommunications and networks play in supporting school processes and operations. (10 Marks)