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LEVEL 5 EXAMINATIONS

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NOVEMBER DECEMBER 2019

SUBJECT LICENSE IN ANALYSIS AND DESIGNAL

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INSTRUCTIONS TO CANDIDATES:

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Disadvantages = 7 interease development Cost

2 = 7 increuse the do comentation

= 7 the system prespormance can only

be determined apter the

System is Folly coded.

(a) Explain five (5) advantages of using the SDLC = 7 increase development describen

[Total: 20 Marks]

(10 Marks)

QUESTION 2

(a) Draw a simple EAR model concerning customers making orders for products by stating what each element represents in the diagram or examples of it. (10 Marks)

(b) Explain five (5) tasks the system analyst can carry out.

(b) Explain five (5) disadvantages of using the SDLC

(10 Marks)

[Total: 20 Marks]

QUESTION 3

(a) There are four (4) symbols used in a DFD and should not be confused with a flow chart symbols.

Draw and explain these symbols.

(8 Marks)

(b) Methods of finding out about the current system include:-

i) Interviews (3 marks)

ii) Questionnaires (3 marks)

iii) Observation (3 marks)

iv) Sampling (3 marks) explain each method.

[Total: 20 Marks]

QUESTION 4

(a) Describe five (5) stages involved in a standard control process. (10 Marks)

(b) Explain the difference between operating information and management information

(10 Marks)

Process Source / Destination Data stere

[Total: 20 Marks]

=7 provides a Framework for a standard set of activities =7 helps ensure to keep of the

Advantages! It enhance and improve

development =7 provide a well detailed Steps

QUESTION 5

One of the projects in your company has embarked on is to construct a mini hydro power plant. The table below shows the work activities necessary to achieve this objective.

Activity	Description	Preceding Acting	(Weeks)
		,	Duration
А	Design plant	1	12
В	Select site	A	8
С	Select vendor	A	4
D	Select personnel	A	3
E	Prepare site	В	12
F	Requisition of generator	С	18
G	Prepare operations manuals	С	5
Н	Install generator	E, f	4
1	Train operators	D, G	9
J	Obtain licence	H, I	6

(a) Draw a network diagram that will identify all the possible paths with the durations for each path (8 marks)

(b) Identify the critical path in (a) above.

(6 Marks)

(c) Explain the three constraints of project management.

(6 Marks)

[Total: 20 Marks]

QUESTION 6

(a) Collecting data into a form that is ready for input to a computer system can be done in many ways.

Explain five (5) different data input methods for the system.

(10 Marks)

(b) Explain five (5) reasons why decision trees provide an effective method of decision making. (10 Marks)

[Total: 20 Marks]

5

organisation interdependant integretion interaction

A system can be defined as "anything formed of parts placed together or adjusted into a regular and connected whole".

(a) Explain five (5) properties and objectives that you would consider when forming a (10 Marks) system.

(b) Explain the following terms

Quality control (i)

(5 Marks)

Change control (ii)

(5 Marks)

[Total: 20 Marks]