

MBA 3rd Semester Examinations, Dec. 2020 (CBCS) (DDE)

[Session: July 2019 – June 2021]

Subject: Management Information System

Paper: MBA-3803

Time-3 Hours

Full Marks: 80

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable

Group-A

Answer any six questions

5×6=30

1. List out the symbols of Value Stream Map.
2. Briefly describe the MIS triangle with schematic diagram.
3. Differentiate between application and non-application software.
4. State the characteristics of Office Automation System (OAS).
5. State the characteristics of Executive Information System (EIS) along with any 6 examples of EIS software.
6. Discuss the utility of redundancy in information with example.
7. What is presentation bias? Give example.
8. What are the steps of rational decision making?

Group-B

Answer any five questions

10×5=50

9. COVID-19 pandemic situation is characterized by emergency ambulance system. The pressure on emergency ambulance system has increased drastically in COVID-19 situation due to the increasing number of COVID patients along with the serious patients with other problems. In this system, patients call for the ambulance in case of emergency. Each ambulance has some medical staff for taking care of the patients who are carried to the hospitals where the patients take admission. Each ambulance also keeps some medical equipments in order to handle the medical emergencies. Model this system by an ERD. Use your own assumptions, if any.
10. Consider a simple production system consisting of two processes – A and B. supplier supplies materials to start processing by process A. the semi-finished item is further processed by process B to produce the final product which is shipped to the end customer. It takes 3 days lead time to get the material from the supplier. Process A takes 200 seconds and process B takes 100 seconds' processing times. There are buffers between processes and both the material from supplier and the finished products are kept in inventory. Its takes 1-day time to shift the semi-finished item from process A to process B. It takes 2 days' time to ship after the final product is produced. Draw a Value Stream Map for this scenario.

Please Turn Over

(2)

11. Define the following flowcharts with examples – (a) Process flowchart; (b) Functional flowchart; (c) Top-down flowchart; (d) Brown paper Flowchart.
12. Consider the development of software (software project development): Company receives order for a software through its marketing team. The analysts collect the required data for the project through questionnaires, customers and other sources. Then the preliminary design followed by detailed design for the software is generated. Next the code writing for the software starts followed by software installation stage. The required employees (users) are trained so that they can use the software. At last, feedback on the installed software is taken and maintenance or scaling of the software is performed. Draw a SIPOC diagram for this scenario.
13. State the characteristics of Transaction Processing System (TPS) with a diagrammatic example.
14. State the advantages and disadvantages of group decision making. Describe the structure of SRS document.
15. Briefly describe the prototyping model along with its limitations. Differentiate between prototyping model and waterfall model.