



AMOOR- VI (2010 Course) : APRIL / MAY - 2013

Subject : Software Project Management

B.C.A. - I / H / III

Day : Monday

Date : 13/05/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) **Q. No. 1 is COMPULSORY.**
- 2) Attempt any **FOUR** questions from **Q. No. 2 to Q. No. 7.**
- 3) Each question carries **14** marks.

Q.1 Draw the network diagram for the project given below. Also determine the critical path. Comment on diagram. (14)

Activity	Description	Duration (Weeks)	Precedence
A	Hardware selection	6	-
B	Software Design	4	-
C	Install Hardware	3	-
D	Code and test software	4	A
E	File taken on	4	B
F	Write user manual	10	-
G	User training	3	E F
H	Install and test	2	C D

Q.2 Discuss knowledge areas identified by PMBOK in detail. (14)

Q.3 What do you mean by work breakdown structure? Explain it with suitable example. (14)

Q.4 Describe COCOMO model of cost estimation with example. (14)

Q.5 List and explain different classical mistakes in software project. (14)

Q.6 What is Quality Assurance? Give the outline of quality assurance document. (14)

Q.7 Write short notes on any **TWO** of the following: (14)

- a) CMM standards
- b) Leadership style
- c) Gantt chart



AMoor- VI (2010 Course) : APRIL / MAY - 2013

Subject : Data Warehousing & Data Mining

B.C.A. - I / II / III

Day : Tuesday

Date : 14/05/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) **Q. No. 1 is COMPULSORY.**
- 2) Attempt any **FOUR** questions from **Q. No. 2 to Q. No. 7.**
- 3) Each question carries **FOURTEEN** marks.
- 4) Use of non programmable **CALCULATOR** is allowed.

Q.1 What are the differences and Similarities between Data Warehouse and Database?

Q.2 In real world data, tuples with missing values for some attributes are a common occurrence. Describe the various methods for handling this problem.

Q.3 What is OLAP? Explain the different types of OLAP servers.

Q.4 Explain the process of knowledge discovery in database with the help of diagram.

Q.5 Explain Apriori algorithm with an example.

Q.6 What is classification? Explain the technique of classification by decision tree induction.

Q.7 Write short notes on any **TWO** of the following:

- a) Data Marts
- b) Data Mining Functionalities
- c) Data Mining and Confidentiality



AMOOR- VI (2010 Course) : APRIL / MAY - 2013

Subject : Data Structures

B.C.A. - I / II / III

Day : Thursday

Date : 16/05/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) Q. No. 1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from Q. No. 2 to Q. No. 7.
- 3) Each question carries 14 marks.

Q.1 a) Convert the following infix expression to postfix expression and solve is using stack. (07)

$$((A + B) - ((C + D) * E) / F) * G.$$

b) Write a C language program for implementation of linked list using array. (07)

Q.2 What do you mean by ADT? Describe array as ADT with its applications. (14)

Q.3 Explain the concept of binary tree in brief. (14)

Q.4 What is sorting? Discuss the bubble sort algorithm with example? (14)

Q.5 How binary search can be defined recursively? Discuss it with suitable example. (14)

Q.6 Define Stack. Explain various operations performed on stack in brief. (14)

Q.7 Write short notes on any **TWO** of the following: (14)

- a) Circular queue
- b) Depth first search
- c) Doubly linked list
- d) Types of queue.



AMOOR- VI (2010 Course) : APRIL / MAY - 2013

Subject : Management-VI (Management Support Systems)

B.C.A. - I / II / III

Day : Friday

Date : 17/05/2013



Time : 10.00 AM TO 01.00 PM

Max Marks : 70 Total Pages : 1

N.B.:

- 1) Q. No. 1 is **COMPULSORY**.
- 2) Attempt any **FOUR** questions from Q. No. 2 to Q. No. 7.
- 3) Each question carries 14 marks.

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- Q.1** a) List and discuss the various types of systems in brief. (07)
- b) What is a subsystem? Explain in detail. (07)
- Q.2** What is the "Value of Information"? Explain it in detail. (14)
- Q.3** Compare and differentiate between the Management Information System (MIS) and data processing. (14)
- Q.4** Discuss in brief the information systems for following functional areas: (14)
- a) Marketing
- b) Production function.
- Q.5** What is Decision Support System (DSS)? Explain in detail. (14)
- Q.6** What is an Expert System? Discuss its structure in detail. (14)
- Q.7** Write short notes on any **TWO** of the following (14)
- a) Heuristic programming
- b) Executive Information System (EIS)
- c) Dynamic Model for decision making
- d) Control by exception.



Al. D. J. A. 7. 17