



BRAINWARE UNIVERSITY

Course – MCA

MIS & System Design (MCA103)

(Semester – 1)

Time allotted: 3 Hours

Full Marks: 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A

(Multiple Choice Type Questions)

10 x 1 = 10

1. *Choose the correct alternative from the following:*

- (i) Advertisement of a business in television is?
- | | |
|--------|-----------------|
| a. B2B | b. B2C |
| c. B2G | d. All of these |
- (ii) NICNET was introduced to set up _____.
- | | |
|-----------------|------------------|
| a. Business | b. Office |
| c. e-governance | d. None of these |
- (iii) PayPal scammer sends e-mail for_____.
- | | |
|-------------|-----------------------|
| a. Business | b. Knowledge exchange |
| c. Meeting | d. Phishing |
- (iv) The purpose of user interface (UI) design is to let users do the_____.
- | | |
|---------------------|--------------------|
| a. Front end design | b. Database design |
| c. Software Design | d. App access |
- (v) To overcome the bad database design problem, one can use_____.
- | | |
|------------------|-------------------|
| a. Normalization | b. Test file |
| c. Word file | d. Virtual office |

9. (a) What is the testing of a system? [5]
- (b) Draw a E-R diagram for a Banking system with possible notation and mapping cardinalities. [10]
10. Draw a Data Flow Diagram (DFD) for a University Management System. You must indicate the labels and draw at least up to Level 2 diagram. [15]
11. Write short notes (Any *three*) [3X5]
- (a) Need of data communication in business.
 - (b) System audit.
 - (c) Business model of E-commerce.
 - (d) Electronic Fund Transfer (EFT)