Roll No. ☐☐☐☐☐☐☐

Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains **4** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **4** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minutes time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

WEB APPLICATIONS

*Time allowed : **2 ½** hours]*   *[Maximum Marks : **50***

1. Multiple Choice Questions :

    (a) Reason for MP3 is a popular format for music file sharing is   **1**

        (A) MP3 files work equally well for text, graphics and music.

        (B) MP3 compression is lossless.

        (C) MP3 compression reduces file sizes considerably with minimal loss of music quality.

        (D) MP3 files contain DRM technology.

    (b) Math. round (–20.51) = ?   **1**

        (A) 20   (B) –21

        (C) 19   (D) None

(c) The process of tweening in animation is similar to which of these video concepts ? **1**

    (A) Averaging   (B) Morphing

    (C) Sequencing   (D) Synthesizing

(d) Which of these movies relies upon computer animation for all of its images ? **1**

    (A) The Incredibles   (B) Shrek

    (C) Toy Story   (D) All of the above

(e) For non-linear video editing, what are video and audio clips stored on ? **1**

    (A) DVD   (B) CD

    (C) Floppy Disk   (D) Hard Disk

(f) Even short digital movies can require a lot of storage space. What is the least expensive way to solve this problem ? **1**

    (A) Use nonlinear editing   (B) Use data compression

    (C) Use PostScript   (D) Use miniature holographic storage cubes

2. (a) What is Work Integrated Learning ? **2**

    (b) What is meaning of End User Development (EUD) ? **2**

    (c) What are Movie clips ? **2**

    (d) What is timeline ? **2**

(e) Write the names of any two file formats for audio and video which are compatible with web pages. **2**

(f) Why do we use functions in Javascript ? **2**

(g) Write a function in Javascript to return the product of two numbers which are passed as arguments. **2**

(h) Write the output of following statements : **2**

    (a) Math.round(4.7);

    (b) Math.round(4.4);

3. (a) What is Data Independence and what are the types of Data Independence ? **3**

(b) Write about basic phases of Project Management. **3**

(c) Write the steps to import audio files in flash. **3**

(d) What is meant by publishing a flash movie ? How it is different from exporting a movie ? **3**

(e) Write the usage of following functions in Javascript : **3**

    (a) pow(x,y)

    (b) random( )

    (c) sin(x)

(f) What is the difference in fla and swf format ? **3**

4. (a) How to embed audio and video file in web page ? **5**

(b) ABC Electronic shop handles its sales on Internet and the company provides easy instalments to his customers. Consider the following web page layout : **5**

A B C Electronics Shop

Select the item from list

| TV!!
AC!!
Microwave!! | ⦿ Cash ◯ Installment | One Year!!
Two Year!!
Three Year!! | Tell_Amount |

Total Amount to be paid :

Monthly Installment :

- For cash payment, discount is 5%

- For instalment, for 1 year the rate of interest is 5% and for subsequent years an additional interest rate of 2% is there.

Write an interactive HTML program with Javascript to calculate cash down price or monthly instalment price for same product.

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