

Roll No.

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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 minute 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 : $2\frac{1}{2}$ hours

Maximum Marks : 50

1. Multiple Choice Questions :

- (i) The process of tweening in animation is similar to which of these video concepts ?

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- (a) Averaging
- (b) Morphing
- (c) Sequencing
- (d) Synthesizing

- (ii) 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
- (iii) For non-linear video editing, what are video and audio clips stored on ? 1
- (a) DVD
 - (b) CD
 - (c) Floppy Disk
 - (d) Hard Disk
- (iv) Even short digital movies can require a lot of storage space. What is the least expensive way to solve this problem ? 1
- (a) Use non-linear editing
 - (b) Use data compression
 - (c) Use PostScript
 - (d) Use miniature holographic storage cubes
- (v) Reason for MP3 being 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.
- (vi) `Math.round (-20.51) = ?` 1
- (a) 20
 - (b) -21
 - (c) 19
 - (d) None of the above

- 2.** (i) What are movie clips ? 2
- (ii) What is a timeline ? 2
- (iii) Write the names of any two file formats for audio and video which are compatible with web pages. 2
- (iv) Why do we use functions in Javascript ? 2
- (v) Write a function in Javascript to return the product of two numbers which are passed as arguments. 2
- (vi) Write the output of the following statements : 2
- (a) Math.round(4.7);
- (b) Math.round(4.4);
- (vii) What is Work Integrated Learning ? 2
- (viii) What is the meaning of End User Development (EUD) ? 2
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- 3.** (i) Write the steps to import audio files in flash. 3
- (ii) What is meant by publishing a flash movie ? How is it different from exporting a movie ? 3
- (iii) Write the usage of the following functions in Javascript : 3
- (a) pow(x,y)
- (b) random()
- (c) sin(x)
- (iv) What is the difference between fla and swf format ? 3
- (v) What is Data Independence ? What are the types of Data Independence ? 3
- (vi) Explain the various phases of Project Management. 3

4. (i) How one can embed audio and video files in a web page ? 5
- (ii) ABC Electronics Shop handles its sales on Internet and the company provides easy instalments to its customers. Consider the following web page layout : 5

A B C Electronics Shop

Select the item from the list

<div>TV!!</div> <div>AC!!</div> <div>Microwave!!</div>	<input checked="" type="radio"/> Cash <input type="radio"/> Instalment	<div>One Year!!</div> <div>Two Year!!</div> <div>Three Year!!</div>	<div>Tell_Amount</div>
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Total Amount to be paid :

Monthly Instalment :

- 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 the same product.