



Series **€FGHE/C**



Set-4

Q.P. Code **327**

Roll No.

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

WEB APPLICATIONS

Time allowed : 3 hours

Maximum Marks : 60

- Please check that this question paper contains **7** printed pages.
- Q.P. Code 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 **24** questions.
- **Please write down the serial number of the question in the answer-book 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.

General Instructions :

- Please read the instructions carefully.*
- This question paper consists of **24** questions, in **two** Sections : **Section A** and **Section B**.*
- Section A** has Objective Type Questions, whereas **Section B** contains Subjective Type Questions.*
- Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.*
- All questions of a particular section must be attempted in the correct order.*



(vi) **Section A : Objective Type Questions (30 marks) :**

- (a) This section has **6** questions.
- (b) There is no negative marking.
- (c) Do as per the instructions given.
- (d) Marks allotted are mentioned against each question / part.

(vii) **Section B : Subjective Type Questions (30 marks) :**

- (a) This section has **18** questions.
- (b) A candidate has to do **11** questions.
- (c) Do as per the instructions given.
- (d) Marks allotted are mentioned against each question / part.

Section A

(Objective Type Questions)

(30 Marks)

1. Answer any **4** questions out of the given **6** questions on Employability Skills. $4 \times 1 = 4$

- (i) A _____ person sets clear goals and prepares an action plan to meet the set target.
- (ii) Identify the type of personality with respect to the Five-Factor Model (FFM) for the description below :

Ramya is very particular about time. She follows a strict schedule to ensure that she always submits her work on time.

- (iii) What is the shortcut key to print a presentation ?
- (iv) Ayan entered the following formula to calculate sum of two numbers in cells :
1A+2B.

He is unable to find the result as it displays an error 'Incorrect formula'. Rewrite the correct formula.

- (v) Vigyan owns an electronics shop. He intends to start a recycling unit that recycles electronic equipment, but he does not have enough funds to start his new venture. Name the flagship initiative started by the Government of India that can help him raise funds and also get some mentoring from experts.

- (vi) Who is an entrepreneur ?



2. Answer any **5** out of the given **7** questions.

$5 \times 1 = 5$

- (i) Name any two video editing tools licensed under the GNU General Public License.
- (ii) _____ is a video capture processing utility for 32-bit and 64-bit Windows platform. It has batch processing capabilities but lacks the editing power of a general purpose editor.
 - (a) Cinefx Jahshaka
 - (b) Wax
 - (c) Virtual dub
 - (d) Blender
- (iii) Write any two extensions that a multimedia file can have.
- (iv) Which file format is composed of a field of pixels, each characterized by a color and is usually created in paint programs ?
- (v) Identify the type of operators in the following statement :
 $6+7>13$
- (vi) Which of the following statements uses a unary operator ?
 - (a) `document.write (10)`
 - (b) `document.write (x+10)`
 - (c) `document.write (x-10)`
 - (d) `document.write (-10)`
- (vii) State whether the following statement is True or False :
Snippets are pieces of programs that cannot be reused.

3. Answer any **6** out of the given **7** questions.

$6 \times 1 = 6$

- (i) If you intend to introduce a scene that appears in your movie, will you add it as a title or credit ?
- (ii) Which of the following creates a free flash widget to embed into a website ?
 - (a) MixPod
 - (b) Google Reader MP3 Player
 - (c) Yahoo! Media Player
 - (d) Odex MP3 Player
- (iii) Which of the following files can be viewed in a web browser ?
 - (a) `test.docx`
 - (b) `test.java`
 - (c) `test.html`
 - (d) `test.txt`
- (iv) Is JavaScript a client-side or a server-side language, or can it be used for both client-side and server-side scripting ?
- (v) Write a statement in JavaScript to print the message "Hi".



- (vi) Name any two components of a web page that a search engine indexes.
- (vii) Which feature is inbuilt with HTML editor to give detailed reports that help to optimize a website for better ranking while displaying search results ?
 - (a) Cookies
 - (b) SEO Checker
 - (c) DWT
 - (d) PSD Templates

4. Answer any 5 out of the given 6 questions.

5×1=5

- (i) Which is the default view in Windows Movie Maker ?
 - (a) Storyboard
 - (b) Timeline
 - (c) There is no default view
 - (d) Preview
- (ii) Which of the following menu items contains the option to open the Page Transitions dialog box to set transition effects of web pages ?
 - (a) File
 - (b) Edit
 - (c) Format
 - (d) Help
- (iii) Name the two categories that a raster format of an image can be separated into.
- (iv) Expand GIF.
- (v) The JavaScript code is embedded in HTML using _____ tag.
- (vi) What is the output of the following JavaScript statement :
boolean(75).

5. Answer any 5 out of the given 6 questions.

5×1=5

- (i) Which of the following keys is pressed to import several consecutive video clips in Windows Movie Maker ?
 - (a) Ctrl
 - (b) Shift
 - (c) Tab
 - (d) Alt
- (ii) What will the following code do ?
` Hello `
 - (a) The audio file 'ukulele.wav' plays when the user clicks on 'Hello'.
 - (b) The message 'Hello' is displayed when the user clicks on ukulele.wav.
 - (c) The audio file 'ukulele.wav' is inserted in the web page and plays automatically.
 - (d) Error in HTML statement.



- (iii) Identify the datatype of the following :
- (a) "Earth" (b) 234
- (iv) Give any one marketing benefit of YouTube embedding facilities.
- (v) Which of the following operators is used to compare two operands ?
- (a) = (b) ==
(c) += (d) +
- (vi) Write any one advantage of using templates while designing a website.

6. Answer any **5** out of the given **6** questions.

5×1=5

- (i) _____ is the text appearing on a clip in Windows Movie Maker.
- (a) Text Overlay (b) Clip Overlay
(c) Video Overlay (d) Title Overlay

- (ii) Look at the following HTML code carefully.

```
<EMBED SRC = "ukulele.mp3" HIDDEN = "true"  
AUTOSTART = "true" LOOP = "infinite" HEIGHT = 145  
WIDTH = 160> </EMBED>
```

Will the audio controls be displayed in the browser ?

- (iii) Write JavaScript statement to extract "URO" from the string "EUROPE".
- (iv) Which of the following extensions is used for files created in Photoshop ?
- (a) .PSD (b) .PTP
(c) .PPT (d) .STP
- (v) Which tag is used to add videos into a web page using HTML5 ?
- (vi) Which advanced feature of web design extends the capability of main program by adding enhanced custom commands and specialized features ?



Section B

(Subjective Type Questions)

(30 Marks)

Answer any 3 questions out of the given 5 questions on Employability Skills.

Answer each question in 20 – 30 words.

3×2=6

7. How is intrinsic motivation different from extrinsic motivation ?
8. Suggest any two steps that one can take towards self-awareness.
9. Write steps to password protect your spreadsheet.
10. Explain any two ways by which an aspiring entrepreneur can identify new business opportunities and evaluate their potential risks.
11. How is a service entrepreneur different from a business entrepreneur ?

Answer any 3 out of the given 5 questions in 20 – 30 words each.

3×2=6

12. What does MIDI stand for ? What is the function of a MIDI file ?
13. Represent the following statement as a JavaScript code using the conditional operator (?:).

if age is greater than or equal to 18
then, “Eligible to vote”
otherwise,
“Not eligible to vote”

14. What is NaN ? Explain using an example.
15. Nagma wants to display numbers starting from 1 to 5. Fill in the blanks to help her write a loop to display numbers from 1 to 5.

```
for (var i= _____ ; _____ ; _____ )  
{  
    document.write(____);  
}
```

16. How does a search engine display web pages on the basis of keywords that the user enters ?



Answer any **2** out of the given **3** questions in 30 – 50 words each.

2×3=6

- 17.** Answer the following questions with respect to trimming of a video clip in Windows Movie Maker :
- (a) What happens to the start and/or end trim points when a clip is trimmed ?
 - (b) Which component of Windows Movie Maker Interface is used to trim a video clip ?
 - (c) What happens to the trimmed part of the clip ?
- 18.** Write any three features of a dynamic web template.
- 19.** Write JavaScript statements for the following :
- (a) Create an array named 'sites'.
 - (b) Add 'Facecook' to the array 'sites'.
 - (c) Display a confirmation dialog to display “Added an entry”.

Answer any **3** out of the given **5** questions in 50 – 80 words each.

3×4=12

- 20.** While recording an online lesson, Ms. Sudha realized that there is a long gap of around 15 seconds in the video. She intends to remove the gap. Combination of which of the following operations will help her to remove the gap ?

Trim / Split / Combined.

Write the steps that she needs to follow to complete the task.

- 21.** Write any two advantages and two disadvantages of using Multimedia on a webpage.
- 22.** (a) What is a function ? What are the various types of functions ?
(b) Write a JavaScript function named Addtwo that accepts two numbers as arguments and returns the sum of those two numbers.
- 23.** How is **switch** statement different from an **if** statement in JavaScript ? Explain with suitable examples. Also explain, when does ‘fall through’ happen in a **switch** statement.
- 24.** Consider the string “Life is Beautiful”. Write a function ‘mystring’ that performs the following tasks :
- (a) Displays the length of the string
 - (b) Reverses the string and displays it
 - (c) Displays the string after replacing space “ ” in the string with “ * ”
 - (d) Find the position of the first occurrence of “if” and display it.