SET-4

Roll No. ☐☐☐☐☐☐☐☐☐

Q.P. Code **327/S**

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

- Please check that this question paper contains **11** printed pages.
- Please check that this question paper contains **24** questions.
- 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 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.

WEB APPLICATIONS

Time allowed : 3 hours   *Maximum Marks : 60*

General Instructions :

(i)   Please read the instructions carefully.

*(ii)   This question paper consists of **24** questions, in **two** Sections : **Section A** and **Section B**.*

*(iii)   **Section A** has Objective type questions, whereas **Section B** contains Subjective type questions.*

(iv)   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.

(v)   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.   *4×1=4*

   (i)   Which one of the following is ***not*** true about active listening ?

       (A)   It allows you to understand problems.

       (B)   It increases conflicts.

       (C)   It allows you to collaborate to develop solutions.

       (D)   It can affect the quality of your relationship with others.

   (ii)   Identify the personality trait mentioned below, from the following :

       Individuals, who listen to their conscience, are self-disciplined, do their work on time, take care of others before themselves and care about other's feelings.

       (A)   Extraversion

       (B)   Consciousness

       (C)   Openness

       (D)   Agreeableness

(iii) Saksham lacks a sense of self-worth, and thus, experiences feelings of emptiness and fear of abandonment. At times he is emotionally unstable, becomes violent and shows impulsive behaviour. He has _____.

    (A)   Histrionic personality disorder

    (B)   Antisocial personality disorder

    (C)   Borderline personality disorder

    (D)   Narcissistic personality disorder

(iv) _____ option in a presentation software changes the background colour of the text.

    (A)   Background   (B)   Highlight color

    (C)   Font color   (D)   Text color

(v) An entrepreneur may make mistakes. However, once an error is committed, it must be tried that it is not repeated as it may lead to heavy losses.

Identify the quality of entrepreneur in the above given sentence.

    (A)   Ability to take decision

    (B)   Initiative

    (C)   Willingness to take risks

    (D)   Ability to learn from experience

(vi) Which of the following is *not* a greenhouse gas ?

    (A)   Carbon dioxide

    (B)   Oxygen

    (C)   Nitrous oxide

    (D)   Ozone

2. Answer any **5** out of the given **7** questions. *5×1=5*

(i) _____ of Movie Maker runs on both Windows Vista and Windows 7.

    (A) Version 2·1   (B) Version 2·2

    (C) Version 2·6   (D) Version 2·0

(ii) _____ is a free open source 3D content creation suite, available for all major operating systems under the GNU General Public License.

    (A) VirtualDub   (B) Blender

    (C) Cinefx Jahshaka   (D) PowerPoint

(iii) While creating a movie in Movie Maker, buttons underneath the _____ in Windows Movie Maker allow play, pause, advance or rewind of a clip frame-by-frame.

    (A) Preview Task   (B) Preview Monitor

    (C) Movie View   (D) SiteView

(iv) Microsoft Recorded TV Show files (with a _____ file name extension) that are not protected using digital rights management can be imported into Windows Movie Maker with Windows Vista Home Premium or Windows Vista Ultimate operating systems.

    (A) .ms-dvd   (B) .dvr-ms

    (C) .ms-dvr   (D) .dvrms

(v) Clips can be created automatically for Windows Media Video (WMV) files and Audio-Video Interleaved (AVI) video files that use the _____.

    (A) DV codec   (B) DVD coder

    (C) DVRCodec   (D) Codecs

(vi) The safest way to export your movie is to choose _____ for playback on My Computer.

    (A) Best Quality   (B) Wizard

    (C) Camera   (D) Web

(vii) Multimedia is similar to traditional mixed media in fine art, but with a broader scope. The term "rich media" is synonymous with _____.

    (A) Good Media   (B) Interactive Multimedia

    (C) Broadcast Media   (D) Audio Clip

3. Answer any **6** out of the given **7** questions. *6×1=6*

(i) Ravish has to upload a flash file on his web page. To insert Flash file onto a web page manually, he must first upload the SWF file to a web server using a protocol called _____ or through an upload form on the content management system.

    (A) HTTP   (B) FTP

    (C) UTP   (D) PPP

(ii) Yahoo! offers a code generator _____ to help us to create a Flash-based MP3 player that matches our website colour theme and layout.

    (A) Code Listener   (B) Easy Listener

    (C) Code Easy   (D) Code Player

(iii) Vrinda has written a code to play the music file in a web page. Complete the code so that the file should play again and again repeatedly.

```
<EMBED SRC="summer.mp3" HIDDEN="true" AUTOSTART="true"
LOOP=_____ Height=145 width=160></EMBED>
```

(iv) While using the object tag, _____ attribute specifies the application/media player type that is being used for playing the sound file.

    (A) Background   (B) Sound

    (C) Type   (D) Param

(v) Designers started adding Multimedia objects to a webpage since the _____ .

    (A) introduction of Google Chrome

    (B) introduction of Multimedia files

    (C) introduction of Mosaic Web browser

    (D) development of Flash multimedia software

(vi) The _____ tag is the web standard for embedding content on to a web page.

    (A) <embed>   (B) <content>

    (C) <object>   (D) <video>

(vii) Which one of the following is an advantage of using multimedia on web pages ?

    (A)   Less viewers   (B)   Expensive content

    (C)   Better branding   (D)   Compatibility issues

4. Answer any **5** out of the given **6** questions.   *5×1=5*

(i) Which of the following file format was developed by Microsoft and is used with Windows ?

    (A)   .flc   (B)   .moov

    (C)   .pict   (D)   .avi

(ii) Which of the following file formats can be opened with LView ?

    (A)   .cvg   (B)   .psd

    (C)   .wpg   (D)   .pbm

(iii) JavaScript can be used for _____ and creation of desktop applications.

    (A)   image development

    (B)   colour enhancement

    (C)   game development

    (D)   database management

(iv) Consider the file **"Myprog.js"** has to be included in an HTML document. Suggest the appropriate place/set of tags where the following code should be placed.

```
<script type="text/javascript" src="Myprog.js"></script>
```

(v) Write a statement in JavaScript to find the length of a string **"India"**.

(vi) Write an expression in JavaScript to calculate the square of a value stored in a variable num and display on the webpage window.

5. Answer any **5** out of the given **6** questions. *5×1=5*

(i) Select the option showing correct output after running the following code in JavaScript :

```
var a=[10,20,30];
a[2]=20;
document.write (a);
```

(A) `[10,20,20,30]`   (B) `[10,20,30,20]`

(C) `[10,20,30]`   (D) `[10,20,20]`

(ii) Predict the number of times the following loop will run :

```
i=10
while(i<10)
{document.write("hello");}
```

(iii) Which of the following arithmetic operators is **not** supported by JavaScript language ?

(A)   *   (B) /

(C)   //   (D) %

(iv) Consider the following JavaScript code and predict the output :

```
<html><body>
<p id="first"></p> <script>
function mFun(x)
{return x.length;}
document.getElementById("first").innerHTML=mFun("Friends");
</script></body></html>
```

(v) _____ function in JavaScript is used to join two or more arrays.

(A)   join   (B) add

(C)   merge   (D) concat

(vi) Write the full form of DWT.

6. Answer any **5** out of the given **6** questions. *5×1=5*

(i) The database (in which the collected data of a form is saved) is stored in a folder called _____ and is hidden for security purpose from the visitors.

(ii) Which one of the following is *not* an HTML editor ?

    (A)   Mew   (B)   Notepad

    (C)   Excel   (D)   FrontPage

(iii) Add-ins may need to be _____ and then only can they be used for running special applications.

    (A)   formatted   (B)   installed

    (C)   uncompressed   (D)   compressed

(iv) By default, web pages that take more than _____ are considered as slow by HTML editor.

    (A)   20 seconds   (B)   25 seconds

    (C)   30 seconds   (D)   1 minute

(v) We run SEO Checker to confirm if the website is _____ or not.

    (A)   colourful

    (B)   optimized

    (C)   valid

    (D)   a search engine

(vi) _____ are the people who write the code for the website.

    (A)   Web resources

    (B)   Web developers

    (C)   Web designers

    (D)   Web engines

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.* $3 \times 2 = 6$

7. Explain any two supporting parts of speech with example.

8. Briefly discuss the term motivation and its importance.

9. Consider the worksheet having entries of some items in a supplier shop :

E6	▼	fx			
	A	B	C	D	E
1	ItemNo	ItemName	Qty	ROL	Balance
2	101	Brush	200	50	
3	102	Paint	512	80	
4	103	Acrylic	1024	25	
5	104	Canvas	250	15	
6	105	Board	217	10	
7					
8					

Answer the following questions :

(a) Write the formula to find the balance quantity as the difference between the Qty and ROL (Qty-ROL) for Canvas.

(b) Write a function to find the total quantity of all the items in the shop.

10. Discuss two qualities that motivate an entrepreneur.

11. Give any two benefits of organic method of farming.

*Answer any **3** out of the given **5** questions in 20 – 30 words each.*   *3×2=6*

12. Give pros and cons of MixPod as a tool to embed sound files in web pages.

13. Mention any four tips to remember while writing JavaScript commands.

14. Write a function in JavaScript that accepts an integer parameter and displays whether it is even or odd.

15. Neha has written a function in JavaScript that accepts two numbers as arguments and assigns them to the object attributes. The program is showing some error. Rewrite the corrected code given below :

```
function rect(a,b)

{ var obj2={name:"Rectangle",height=a,width=j);

document.write(obj2.height)
```

16. Give any two features of Dynamic Web Templates.

*Answer any **2** out of the given **3** questions in 30 – 50 words each.*   *2×3=6*

17. (i) Identify the type of files for the file extensions given below :
        .aifc,   .wmf

    (ii) What is the difference between Splitting and Trimming the movie clips ?

18. (a) Explain bitwise OR operator with an example.

    (b) Explain join() function in JavaScript.

19. (a) What are snippets ?

    (b) How do PSD templates help in web designing ?

    (c) Expand FPSE.

*Answer any **3** out of the given **5** questions in 50 – 80 words each.*   *3×4=12*

20. Write short notes on any ***two*** of the following :

(a) StoryBoard Pro Software

(b) Wax

(c) AVIedit

21. Consider the following code and answer the questions given below :

```
<EMBED   SRC="peanuts.wav"   AUTOSTART=FALSE   LOOP=FALSE
WIDTH=145 HEIGHT=55 ALIGN="CENTER">   </EMBED>
```

(a) Name the tag being used in the above code to add the video file in the web page.

(b) How many times will the media file run ?

(c) Name the attribute(s) that control(s) the plug-ins control panel size on the page.

(d) Rewrite the code to automatically play video file **"mfile.wav"** one time as soon as the web page gets loaded.

22. (a) What are event handlers ? Explain onMouseOut event in JavaScript.

(b) Write a code in JavaScript that generates a random number between 0 – 99. Also display whether the number generated is even or odd.

Note : If the random number generated is 0·98342345 then make it 98 to bring it in the range of 0 – 99.

23. What are nested functions in JavaScript ? Explain with an example.

24. (i) Explain Match function in JavaScript with example.

(ii) Write code to accept a number and print :

  – its log value rounded to nearest integer

  – its square root in alert box.