

Time: 3 Hrs.

MM: 60

General Instructions :

Read the following instructions very carefully and strictly follow them :

(a) This question paper consists of **two** sections viz. Section A : Employability Skills and Section B : Subject Skills.

(b) **Section A : Employability Skills (10 Marks)**

(i) Answer any **4** questions out of the given **6** questions of **1** mark each.

(ii) Answer any **3** questions out of the given **5** questions of **2** marks each.

(c) **Section B : Subject Skills (50 Marks)**

(i) Answer any **10** questions out of the given **12** questions of **1** mark each.

(ii) Answer any **5** questions out of the given **7** questions of **2** marks each.

(iii) Answer any **5** questions out of the given **7** questions of **3** marks each.

(iv) Answer any **3** questions out of the given **5** questions of **5** marks each.

(d) This question paper contains **42** questions out of which **30** questions are to be answered.

(e) All questions of a particular part/section must be attempted in the correct order.

(f) The maximum time allowed is **3** hours.

SECTION A

EMPLOYABILITY SKILLS 10 MARKS

- (i) Answer any 4 questions out of the given 6 questions of 1 mark each. 1x4=4
- Q1** Which of the following supports active listening? 1
- (a) Noisy environment
- (b) Not maintaining an eye contact with the speaker
- (c) Being inattentive
- (d) Avoid distractions
- Q2** Which of the following is not a parameter to describe an individual's personality? 1
- (a) Self-confidence
- (b) Openness
- (c) Neuroticism
- (d) Agreeableness
- Q3** Which is the short cut key to add a new slide in a presentation created in Libre Office Impress? 1
- a. CTRL+N
- b. CTRL+M
- c. CTRL+S
- d. CTRL+P
- Q4** The ability to continue to do something, even when it is difficult is called 1
- _____.
- (a) initiative
- (b) organisational skills
- (c) perseverance
- Q5** RWHS stands for _____ 1
- a) Reduce Water Harvest System
- b) Rain Water Harvesting System
- c) Rain with Harvest System
- d) Reuse Water for Harvest System

- Q6** Rohan lacked a sense of self-worth, and thus, experienced feelings of emptiness and fears of abandonment. Suicidal threats and acts of self-harm are common in people with such a personality disorder. What type of personality disorder is this?
 (a) Borderline
 (b) Dependent
 (c) Avoidant
 (d) Obsessive 1
- (ii)** *Answer any 3 questions out of the given 5 questions of 2 marks each.* **2X3=6**
- Q7** Write an example of each type of sentences- declarative, interrogative, exclamatory and imperative. $\frac{1}{2} \times 4 = 2$
- Q8** Differentiate between intrinsic and extrinsic motivation. 2
- Q9** Arnav, an accountant in a XYZ Company, has kept some confidential information in a workbook “Conf.ods” which should be protected. Write the steps to protect the workbook in LibreOffice Calc. $\frac{1}{2} \times 4 = 2$
- Q10** Somesh is excited about his new venture but he is unaware of the environmental barriers which he might face in future. List any four environmental barriers which he (an entrepreneur) can face. 2
- Q11** List any two benefits of Green jobs. 2

SECTION B
SUBJECT SKILLS.

50 Marks

- (i)** *Answer any 10 questions out of the given 12 questions of 1 mark each* 1x10=10
- Q12** DVD Knife is a simple tool for extracting DVD clips from DVDs. The clips are stored in ____ format only. 1
- Q13** VirtualDub is a video capture/processing software, licensed under
 (A) Microsoft
 (B) GPL
 (C) General Purpose Use
 (D) General Private Use 1
- Q14** _____ lists the common tasks in MovieMaker that may be needed while making a movie including importing files, editing and publishing the movie.
 (a) Preview Monitor
 (b) Timeline
 (c) Storyboard
 (d) Tasks Pane 1
- Q15** Blender is the free open source 3D content creation suite, available for all major operating systems under the _____.
 a) GNU General Public License
 b) Proprietary License
 c) Unix License
 d) Public License 1

- Q16** .tiff, .tga, .ps are extensions of _____ files. 1
 (A) audio
 (B) video
 (C) image
 (D) sound
- Q17** Full form of **EPS** vector graphics file format is _____ 1
- Q18** MIDI stands for 1
 (A) Musical Instrumental Digitized Interleave
 (B) Music Instrument Drama Interface
 (C) Multimedia Digital Interface
 (D) Musical Instrument Digital Interface
- Q19** What will be the output of the following JavaScript code? 1
 var name=["Apple", "Pineapple", "Orange", "Kiwi"];
 document.write(name.pop());
 (A) Apple
 (B) Pineapple
 (C) Orange
 (D) Kiwi
- Q20** Identify the statement that is false with respect to JavaScript: 1
 a) It is an Object Oriented Scripting Language.
 b) It is supported both by Client side as well as Server side.
 c) Internet Explorer 3+ browser does not support JavaScript.
 d) JavaScript objects are similar to Dictionaries.
- Q21** _____ tag alerts the browser that JavaScript follows. 1
- Q22** Which of the following is a JavaScript conditional operator? 1
 (A) %
 (B) <
 (C) &&
 (D) ?:
- Q23** Numbers in JavaScript have 1
 a. Double precision 64-bit format
 b. Double precision 32-bit format
 c. Single precision 16-bit format
 d. Single precision 32-bit format
- (ii)** *Answer any 5 questions out of the given 7 questions of 2 marks each.* 2x5=10
- Q24** Explain any two non-destructive and non-linear video editors.(2-3 lines each) 2
- Q25** Consider a video "Machine" divided into clips namely clip1, clip2, clip3. With reference to the mentioned video "Machine", explain contiguous clips. Which pair of clips can be combined? 1+1=2
- Q26** Raghav wanted Saurabh to avoid including the Title, Author, Copyright, Rating, and Comments Information in his Published Movie File. What was the reason for doing so? 2
- Q27** Differentiate between a raster and a vector image file formats. 2
- Q28** What problem a programmer might face due to 'Fall through' with respect to switch statement in JavaScript? Explain it with the help of an example. 2

- Q29** Write the output of the given JavaScript code : 2
- ```

<html>
<body>
<script>
s= ["blue", "red", "orange", "yellow"]
s.reverse();
for (i=0;i<s.length; i=i+2)
 document.write(s[i].toUpperCase()+"
");
</script>
</body>
</html>

```
- Q30** What are Snippets? Write its advantage. 2
- (iii)** *Answer any 5 questions out of the given 7 questions of 3 marks each.* 3x5=15
- Q31** Write the steps to trim a Video Clip in Windows MovieMaker. 3
- Q32** Samira wants to change the title of her video clip from “MyFirstVideo” to “HappyMoments”. Write down the steps to edit the existing title of her video clip in Windows Movie Maker to help her. 3
- Q33** Explain any 3 advantages of using Multimedia in Web Pages. 3
- Q34** Sara is unable to understand the functionality of the given JavaScript String and Array functions, help her by explaining each one of them. 3
- a) push()  
b) concat()  
c) shift()
- Q35** a. Predict the output of the following : 2+1
- ```

<html>
<body>
<script>
    var birds=["Eagle", "Sparrow"];
    birds[50]= "Parrot";
    document.write(birds.length+"<br>");
    document.write(parseInt("111", 2))

</script>
</body>
</html>

```
- b. Why does the following highlighted Java Script statement not work?
- ```

<html>
<body>
<script>
var emp = new Object();
emp.break = "Samarth";
</script> </body> </html>

```

**Q36** What are the uses of the following with reference to advanced features of web-design? 1x3=3  
a. Web Packages  
b. HTML Optimizer Tool  
c. Web Hosting

**Q37** How is SEO useful? Write any four components of a web page that search engines index. 1+2=3

**(iv)** Answer any 3 questions out of the given 5 questions of 5 marks each. 5x3=15

**Q38** Explain the following terms : 1x5=5  
(a) Plug-in  
(b) MIDI  
(c) MixPod  
(d) Google Reader MP3 Player  
(e) Free Video Coding

**Q39** Explain <EMBED> tag along with all its attributes as given in the following code: 1x5=5  
<EMBED SRC="chime.mid" AUTOSTART=FALSE LOOP=FALSE  
WIDTH=145 HEIGHT=55>  
</EMBED>  
Note: TRUE value for Autostart and Loop attributes should also be explained.

**Q40** a) Find the errors in the following code and write the corrected script: 3+2=5  
<html>  
<head>  
<script>  
Function FuncHello()  
[  
  document.show("Hello");  
]  
  
</head>  
</script>  
  
<body>  
<script>  
  FuncHello('Hi');  
</body>  
</script>  
</Html>

(b) Rewrite the following JavaScript fragment using switch case statement :

```
if(a=='A')
 document.write("Allowed");
else if(a=='B')
 document.write("Not Allowed");
else
 document.write("Invalid code");
```

- Q41** Write a program in JavaScript to accept five numbers from user, store them in an array. Also 2+2+1=5
1. Calculate the sum of the odd numbers of the array and display it with appropriate message. (in an alert box)
  2. Display the lowest and the highest values of the array.
- Q42** Write a code in Java Script to accept name of a game from user. The program should: 5
- a. test whether the input name is “cricket” or not. Display message “You like Cricket” or “You do not like Cricket” accordingly.
  - b. combine “I enjoy playing” with the name of the game entered.  
For eg. I enjoy playing cricket.
  - c. extract the first four characters from the name of the game,
- Print the output of the above parts (a, b and c) of the program with appropriate messages