

**SET-4****Series %BAB%/C**Q.P. Code **327**

Roll No.

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

- Please check that this question paper contains **5** 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 **25** 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.



## WEB APPLICATIONS

*Time allowed :  $1\frac{1}{2}$  hours**Maximum Marks : 30*

### **General Instructions :**

- Please read the instructions carefully.*
- This question paper is divided into **three** sections, viz., **Section A**, **Section B** and **Section C**.*



- (iii) **Section A** is of **5** marks and has **6** questions on *Employability Skills*.
- (a) Questions number **1** to **4** are **one** mark questions. Attempt any **three** questions.
- (b) Questions number **5** and **6** are **two** marks questions. Attempt any **one** question.
- (iv) **Section B** is of **17** marks and has **16** questions on *Subject Specific Skills*.
- (a) Questions number **7** to **13** are **one** mark questions. Attempt any **five** questions.
- (b) Questions number **14** to **18** are **two** marks questions. Attempt any **three** questions.
- (c) Questions number **19** to **22** are **three** marks questions. Attempt any **two** questions.
- (v) **Section C** is of **8** marks and has **3** *Competency-Based Questions*.  
Questions number **23** to **25** are **four** marks questions. Attempt any **two** questions.
- (vi) Do as per the instructions given in the respective sections.
- (vii) Marks allotted are mentioned against each section/question.

## SECTION A

(Employability Skills)

(3+2=5 marks)

Answer any **3** questions out of the given **4** questions. 3×1=3

1. Write the names of any two interpersonal skills. 1
2. An \_\_\_\_\_ is a way of thinking or feeling about something. It can be positive or negative, good or bad. 1
3. Expand the term EESL. 1
4. Write any two examples of biofuels. 1

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

5. Explain Time management and Goal setting as organisational skills. 2
6. Write any two points/aims of “Make in India Campaign”. 2



## SECTION B

(Subject Specific Skills)

(5+6+6=17 marks)

Answer any 5 questions out of the given 7 questions.

5×1=5

7. Write the output of the following code : 1  
    isNaN(4)
8. Write a statement to check whether 22/4 is infinite or not. 1
9. How many times will the following loop run ? 1  
    while (true)  
    {  
        ....  
    }
10. Write the names of the following JavaScript operators : 1  
    &&, ||
11. What are Add-ins ? 1
12. Expand the term FPSE. 1
13. \_\_\_\_\_ is a tool that scans a web page for any technical errors or SEO issues that can have negative impact on search engine ranking. 1

Answer any 3 questions out of the given 5 questions.

3×2=6

14. Explain ternary operator for conditional expressions in JavaScript with example. 2
15. Explain the following array functions of JavaScript : 2  
    (a) splice()  
    (b) unshift()



16. Give appropriate method for the following tasks to be done and also name the object to which it belongs : 2
- (a) Method that returns the nearest integer value of the argument passed
  - (b) Method to add two arrays
17. Pradeep works as a web designer. He has to design a website for his company. Give any two points that he must keep in mind as a web designer while designing the website. 2
18. What is the use of in-built optimizer tool of MEW ? 2

*Answer any 2 questions out of the given 4 questions. 2×3=6*

19. Write a function in JavaScript that accepts two integer variables and returns the greater number. 3
20. Explain the following events in JavaScript : 3
- (a) onLoad
  - (b) onSubmit
  - (c) onClick
21. Write a function in JavaScript to accept the name using prompt method and display a Hello message with the name entered. 3  
For example : If the user enters the name “Piyush”, then the output should be :  
Hello, Piyush
22. Explain the use of Web Packages. What is the need to take backup of a website ? 3

**SECTION C**  
**(Competency-Based Questions) (2×4=8 marks)**

*Answer any 2 questions out of the given 3 questions. 2×4=8*

23. Write a program in JavaScript to accept the marks of a student in three subjects and find the percentage. (Maximum marks for each subject is 100) 4



24. Predict the output of the following code segment :

4

```
<html>
<body>
  <script>
    x=10+4
    y="2"+2
    z="Hello"+ 4
    s=10%4
document.write(x + "<br>" + y + "<br>" + z + "<br>" + s)
  </script>
</body>
</html>
```

25. Promila has to create a website as a part of project assigned by her teacher for the exam. Her teacher has suggested to use CSS templates. Help her to understand the following :

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- (a) What is the use of a CSS template ? Give any two points.
- (b) Name any two web authoring tools.