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CS101 Subjective Question Final term Exams 2023

1. Discuss the protocol which enables a user to login to a computer remotely?
2. A method "strike()" is used in JavaScript programs, describe the functionality of this method.
3. Distinguish the terms World Wide Web and internet.
4. Discuss the limitations and weaknesses of conventional web which enforce us to move towards Semantic Web
5. How internet enables its users to access those resources and perform such tasks that were not possible before the invention of internet? Write down any three of them.
6. Artificial intelligence is a wide field which can be further categorized into sub categories. You are required to briefly describe its any three sub-categories.
7. Suppose you are a computer designer. There are some Instructions/data that are necessary for computer running. You have two types of memory i.e. RAM and ROM, so in which memory you will store these instructions/data. Justify your answer.
8. Suppose you are an IT consultant of an organization. Due to high energy consumption of CRT monitors, they require an alternate economical solution. Suggest an appropriate solution with reasoning
9. Prove the following expression with the help of truth table. $(A+B)(A+C) = A + B.C$
10. If a software engineer wants to develop an RBS (rule based system) which kind of principle will be used and how he will design heuristics?
11. There are some professional ethics which must be followed by any professional/ organization but some professionals and organizations do not follow these professional ethics. Give any two examples showing the unethical behavior of a professional or an organization
12. Write down any two drawbacks of using e-mail service instead of using other direct/ telecommunication services.
13. How does a browser application such as (Internet Explorer) fetch information from internet?
14. Which DBMS technique you will prefer to present data in a user friendly way from a database? Describe the technique briefly.

15. Every organization is based on some type of organizational structure. Briefly describe the organizational structure which has more preference over others.
16. Discuss the role, a good programming editor tool plays in the development of error (syntax error) free programs.
17. In large databases, a process is used to identify different patterns. Discuss that process along with the technique used by the process.
18. Using while loop, write a JavaScript program to display the same output as the following code can display.

```
document.write ("5");  
document.write ("6");  
document.write ("7");  
document.write ("8");
```
19. A Powr Point Presentation contest is going to be conducted in your class. Write three factors to make your slides more attractive and readable for the viewers?
20. As an IT student you often face different situations in which various types of programs can cause severe loss of data from computer. In your opinion how can you secure your computer from these harmful programs? Write down any five suggestions.
21. What will be the output of the following given lines of code:

```
<hrml>  
<body>  
  
<script>
```
22. There is a complete system that is used for sending and receiving e-mails. What are the components of that system? Describe each one briefly.
23. Coding is a great art, as a coder, write any five guidelines you will follow to code a program effectively
24. Sometimes, while visiting some websites we face an error message "Timeout". Discuss why do we face this message?
25. As an internet user, enlist any four services which you can use on internet.
26. Is it possible that all the computer categories can perform multitasking? Justify your answer.
27. Every organization is based on some type of organizational structure. Briefly describe the organizational structure which has more preference over others.
28. Project Manager is an important entity in the software development process. List atleast three core responsibilities of this role.
29. Explain the problem; a user of flat file database may face in searching particular data.
30. Why do we need semantic web instead of the current web?
31. The browser considers a URL as a combination of three parts. Write an example of a URL and mention names of all the three parts of this URL.
32. Consider the following tasks/operations:
Additions, image recognition, face detection, average, person recognition, multiplication, pattern finding, division, voice detection, subtraction.
have to identify the tasks in which:
33. Write the advantages of using the multimedia mode of presentation.
34. Being a Data Base administrator you have to deal with both relational data base and object oriented data, explain how a Relational DBMS deals with the Object Oriented Data and what is the drawback of RDBMS in handling such data?
35. Coding is a great art, as a coder, write any five guidelines you will follow to code a program effectively.
36. Write down any two drawbacks of using e-mail service instead of using other direct/telecommunication services.

37. List any four ways due to which integrity of data in a database can be compromised.

38. a) What is the Title of the web page in the given code segment?

```
<HEAD>
```

```
<TITLE> VU Web Page </TITLE>
```

```
</HEAD>
```

```
<BODY>
```

39. Every organization is based on some type of organizational structure. Briefly describe the organizational structure which has more preference over others.





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