POKHARA UNIVERSITY

Level: Bachelor   Semester -Spring   Year: 2020

Program: BE   Full Marks: 70

Course: Web Technology   Pass Marks: 31.5

                                                                       Time: **2** hrs.

Candidates are required to answer in their own words as far as practicable.
The figures in the margin indicate full marks.

Group - A: Attempt all questions (5×10=50)

Q. N. 1   What happens if you enter https://pu.edu.np into your browser? Describe the   10
procedures behind the screens. Describe along with its block diagram.

Q. N. 2   Differentiate between inline, internal and external CSS with an example?   7+3

In the code snippet below, what would be the color of both elements 1 and 2?
Also explain why?

style.min.css
#about p.element-2{color: red;} .about p.element-2{color: black;}
#about p{color:blue;} .about p {color: yellow;} p{color: white;}

index.html
…….
```
<div id="about" class="about">
        <p class="element-2">        <!-- Element 1    -->
                All right reserved
        </p>
        <p id="element-2">     <!-- Element 2 -->
                I love Web Technology
        </p>
</div>
```

Q. N. 3   **Write a program to display following output.**   **10**

No.	Full Name	Club	Salary	Type
1	Lionel Messi	FC Barcelona	130 million EUR	
2	Cristiano Ronaldo	Juventus	96.4 million EUR	Football Player
3	Neymer	Paris Saint	92.8 million EUR	
4	Paul Pogba	Manchester United	29.2 million EUR	
Total Expense:			348 million EUR	

Q. N. 4   "JavaScript programs the behavior of a webpage". Explain this statement with   4+6
suitable example. Employ DOM event model in JavaScript to illustrate
dragging and dropping of elements with suitable example.

Q. N. 5   What are the different types of arrays in PHP ? Explain the details with   10
syntax (Use the names of your friends as an example)

OR

What role do session and cookies play in allowing web servers to store
stateful data? Give an example to illustrate your point.

Group - B: Problem-solving/case studies (1×20=20)

Q. N. 6   Prepare a login form with the input field username/email and password and   2+8+4
also the option for remembering the login session. Write PHP-MySQL code to   +3+3
establish the database connection and verify the user and successfully login and
establish login sessions for valid user and show error message if invalid. Use
the client and server side validations, along with pattern matching implemented
to allow only authorized users.