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SEAT No. :

PB-146

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[6269]-360

**T.E. (Information Technology) (Insem)**  
**WEB APPLICATION DEVELOPMENT**  
**(2019 Pattern) (Semester - II) (314453)**

*Time : 1 Hour]*

*[Max. Marks : 30*

*Instructions to the candidates:*

- 1) *Solve Q1 or Q2, Q3 or Q4.*
- 2) *Neat diagram must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume Suitable data if necessary.*

- Q1)** a) What is HTML? Give the reasons why we use HTML? [4]  
b) Explain any five components used in bootstrap. [5]  
c) What are different selectors in CSS? Explain with an example. [6]

OR

- Q2)** a) What is the difference between a group of checkbox buttons and a group of radio buttons? [4]  
b) Explain the box modeling of CSS. [5]  
c) What is W3C? & How does W3C handle web technology? [6]

- Q3)** a) What is inline, embedded and external JavaScript? Explain the advantages and drawbacks. [6]  
b) Explain AJAX Architecture in detail with a diagram. [5]  
c) Explain Async-await function with example [4]

OR

- Q4)** a) Compare and contrast the traditional web application architecture and AJAX based web application architecture. [6]  
b) Write a JavaScript that reads an integer and displays whether it is a prime number or not. [5]  
c) List and explain the form selectors used in jQuery. [4]

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