

Total No. of Questions : 4]

SEAT No. :

PA-10301

[Total No. of Pages : 1

[6009]-354

**T.E. (Information Technology) (Insem.)  
WEB APPLICATION DEVELOPMENT  
(2019 Pattern) (Semester - II) (314464 A)**

*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 indicate full marks.*
- 4) *Assume suitable data if necessary.*

**Q1)** a) Explain any 5 tags used in HTML with their attributes. [5]

b) Write a note on Bootstrap Grid system. [6]

c) Explain any two bootstrap components. [4]

OR

**Q2)** a) What is W3C? list the advantages and disadvantages. [5]

b) What are different selectors in CSS explain with example. [6]

c) Differentiate between CSS and Bootstrap. [4]

**Q3)** a) What is Async-await? Explain with example. [6]

b) Explain JavaScript objects in detail. [4]

c) List advantages & disadvantage of JQuery. [5]

OR

**Q4)** a) Explain disadvantage of using callback function and how it can overcome using promises with example. [6]

b) What is JQuery? Explain with example. [4]

c) Write short note on AJAX based web application architecture. [5]

