

Duration: 2 Hours

Max Marks: 60

Instructions: i) All Questions are compulsory
ii) Figures to the right indicate full marks

Q.1 A) State TRUE or FALSE

(5x1=05)

- i) IP version 4 addresses are 48-bit integers which are expressed in decimal notation.
- ii) The `$_REQUEST` variable contains the contents of `$_GET`, `$_POST` and `$_COOKIE`.
- iii) The 'finally' statement lets you execute code, after try and catch blocks, regardless of the result.
- iv) SSL includes two sub-protocols: the SSL Acknowledge Protocol and the SSL tunnel Protocol.
- v) The method 'document.getElementsByTagName(name)' finds the elements by class name.

Q.1 B) Define the purpose of the following in not more than 20 words

(5x1=05)

- i) Skew()
- ii) XSLT `<xsl:template>` Element
- iii) Cookies
- iv) PHP array operator "==="
- v) DHCP (Dynamic Host Configuration Protocol).

Q.2. Answer the following.

- (a) Define the SMTP protocol. (2)
- (b) Mention 3 characteristics of a Client side scripting language. (3)
- (c) Explain the working of SSL with the help of a neat diagram. (5)

Q.3. Answer the following.

- (a) Give a point of difference between FQDN and PQDN in name space. (2)
- (b) Compare and contrast between `parseInt()` and `parseFloat()` in client side scripting (3)
- (c) Explain the Model View and controller architecture with the help of a neat diagram (5)

Q.4. Answer the following.

- (a) List out one feature of Browser engine and UI backend (2)
- (b) Differentiate between 'Try-catch' block and 'finally' Error handling statements in Client side scripting (3)
- (c) Explain the steps required to insert data into a table using a server side scripting language. Write the code snippet using the following data: (5)

Roll_no	Department	Course	Subject
1900	CS	TYBCA	Web Technology

Q.5. Answer the following.

- (a) Give a point of difference between class and ID attributes in Html. (2)
- (b) Describe the 'For each' loop in server side scripting with the help of a code snippet. (5)
- (c) Explain the XSLT element '<xsl:for-each>' and '<xsl:value-of>' in detail and give a code snippet for each element. (5)

Q.6. Answer the following.

- (a) What is the '@media' Media queries in CSS? (2)
- (b) Describe XML schema, give its benefits. (3)
- (c) Comment on the functions alert() and confirm() , explain how you would use them in real life with a code snippet for each. (5)