



( 2 )

- (iii) What are the advantages of using optical fiber over twisted pair and co-axial cable ? 4
- (iv) What is full form of VSAT ? 1
- (v) Differentiate between RING topology and STAR topology. 3
- (vi) Explain any *three* attributes of Frame tag in HTML. 3
- (vii) Differentiate between internal and external linking with examples. 3
- (viii) Write HTML statement to make an image as marquee. 2
- (ix) Write the command to align the first table to left and second to right. 2
- (x) Write the HTML statement for the given code : 2

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### Part B

2. (a) Differentiate between LAN, MAN and WAN. 6
- (b) Explain any *two* internet applications. 4
3. Create an admission form in HTML using the following objects : 10
- Text Box, Radio buttons, Check boxes, Text Area, Select, Submit button and Reset button.

- (a) Differentiate between upload and download in terms of internet. 4
- (b) Explain the working of :  
Routers, Hubs and Bridges. 6
- (a) Using JavaScript write down a program to find the largest of three numbers given by user. 6
- (b) Describe "for" and "for ..... in" commands in JavaScript. 4
- (a) Explain the logical operators with their syntaxes in JavaScript. 6
- (b) Prepare the following web page layout that contains two textboxes "txtNation" to accept nationality and "txtAge" to accept age. 4

## Enter the details

Enter your nationality :

Enter your age :

Write the JavaScript code to display the alert message "Eligible for Voting" when both the given *two* validations are true :

- (i) The age should be numeric and should be  $> 18$
- (ii) The nationality should be "Indian"

The alert message "Not eligible to vote" should be displayed if any of the above mentioned validations are false for the click event "Send details".

7. (a) Differentiate between Cell Spacing and Cell Padding with syntax in Table tag. 4
- (b) Create the given webpage in HTML. 6

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>January 2017</b>						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	Notes :			

Printable Calendar January 2017 available from [www.gutenbergcalendar.com](http://www.gutenbergcalendar.com)

8. (a) Write the code to create the following structure in HTML : 2

$$x^2 + y + z^3 = 2.$$

- (b) What is "event" in JavaScript ? Explain "blur" and "focus" events. 4

- (c) Write short notes on the following : 4

- (i) Micro Waves
- (ii) Satellites.