(b) Write the Syntax Directed definition to produce three address code for assignments.

Or

COMPLEX DESIGN

Write the translation scheme to produce three address code for assignment.

6. (a) What is variable propagation and code the parse need for the in? notion with the

(c) Using above trammar construct left most

- (b) Draw the DAG for the following TAC
- and $t_1 = 4 * i \circ 1$ and $t_2 = 4 \circ 1$
 - (2) $t_2 = a[t_1]^{\text{even}}$ aU-monos
- Write the algorithm to construct $t_3 = 4 * i$
 - $(4) t_4 = b \left[t_3 \right]$
- Write the algorithm $t_5 = t_2 * t_4$ rooms of sinw
 - (6) $t_6 = \text{Prod} + t_5$ anima A.1 consequence
 - (7) Prod = t_6 (a)
 - (8) $t_7 = i + 1$
 - $(9) \quad i = t_7 \quad \text{and} \quad \text{a$
 - (10) if i <= 20 goto(1)

delicate Construct the Inol R parsing table;

What is Register and Address descriptors? Write code generation Algorithm.

Total number of printed pages-8

44 (5) CODG/WBTC O/N 5.2 Mention three services of internet

2013

WEB TECHNOLOGY

(New Course)

Paper : 5.2

What 6 080: Rand Marks ? 80 b and W

Time: Three hours

The figures in the margin indicate full marks for the questions.

Answer Q. No. 1 and any six from the rest.

(a) What is Website?

1+4=5

 1×8

- (b) What is the use of image map? Why VB Schot is usually used as server
- Write a form of style rules with an example.
- topic (d) What is Cookie?
- (e) What is DTD?
 - (f) Define Server Side Scripting
 - What are the features of Java Script?
 - Define ASP.

2.	(a)	What	is URL?	Why	it is	important?
						$3 \times 4 = 12$

WEB TECHNOLOGY

- (b) Mention three services of internet.
- (c) What is ARPANET?
- (d) Explain three different types of internet connection.
- 3. *(a)* What do you mean by IP address? Explain its working. 1+4=5
 - (b) Explain how a client server architecture works in a dynamic environment? 4
 - (c) What do you mean by helper application?

 Mention few helper application of a web browser.
- 4. (a) Why VB Script is usually used as server side scripting language and Java Script as Client Side Scripting? Why Server Script Codes are not visible in browser? 4+2=6
 - (b) What do you mean by APL? How can we connect it to a data base using ADO?

2	-4=	6
4	4-	U

	(a)	To show current date and time.
	(b)	To display an alert box and confirm box.
	(c)	To accept an array and display its length and all the elements.
	(d)	To convert a given string to upper case and lower case.
6.	(a)	What is firewall?
	(b)	Describe briefly the COM architecture. 6
	(c)	Explain the role of IDL and CORBA. 4
7.		e HTML Code to generate a web page in the nat given below:
	(i)	Title of the page should be "Hospitality Industry".
	(ii)	Background colour of the page should be 'Silver', link colour should be "Maroon', visited link colour should be 'red'.
	(iii)	Picture used in the page should have title "nature.jpg". 2
	(iv)	Table should have border of width 2. 2

5. Write the following programs using Java Script

Use the concept of nested list for creating the list given in the webpage with specified bullets. Das etabetgering work of (2) 2 (vi) Page link to the manufacture of the land of the l front office as "front.html" food and beverage as "food.html" To convert a given string to apper case and What is CGI? (a) Write the meaning of the following HTML tags with example. (b) Describe briefly the COM architecture iFRAM, PRE, SELECT, EMBED, No Break (c) thexplain the role of IDL and CORBA Write a DTD in XML for Book BOOK DETAILS Shoot AWITH SHAW -BOOK -NAME -AUTHOR Buckground colour of the -PRICE PRICE -PUBLICATION To be believed With the first of the used ATITION OF THE Maye title With the following conditions. 44(5) CODG/WBTC O/N 5·2/G

- The book may be sent to one or more receiver.
- (ii) The book may or may not have ISBN No.

war fiel some The Man B + 2 m 3 + 2 to T 2 0 }.

(b) What is symbol table? Explain.

(iii) The book may have many authors.

for left factoring a grammar.

What is regular expression?

What are different Lex functions?

What is left factoring? Write the algorithm

COMPILER DESIGN

(Old Course)

Explain in detail the process of compilation of each phase for the following program fragment

$$T1 = T2 * T3 + 2 * 6 \cdot 3 + 2 * T2$$

- What is symbol table? Explain. (b)
- What are the role of Laxical Analyser. 2. (a)
 - Find NFA, DFA and Min DFA for the regular (b) expression

$$((aa)*b(aa)*)|(a(aa)*ba(aa)*)$$

Or

Explain the Thompson's rule for conversion of regular expression to NFA.

- 2 What is regular expression? (c)
- What are different Lex functions? 4 (d)
- What is left factoring? Write the algorithm 3. 1+3=4for left factoring a grammar.

(b) Is the following grammar ambiguous? 3

$$E o E + T \mid T$$
 $T o T * F \mid F$
 $F o (E) \mid id$

- Using above grammar construct left most oboo bas derivation, right most derivation and draw the parse tree for the input (id*id)+id.
- Differentiate Top-Down parsing and Bottom-Up parsing.

Draw the DAG for the following TAC 8

Write the algorithm to construct SLR parsing table.

Write the algorithm to construct canonical LR parsing table.

Consider the following grammar .10 (c)

$$E \to E + T \mid T \to TF \mid F$$

$$F \to F * \mid a \mid b$$

Construct the LALR parsing table.

5. (a) What is three address code? What are different types of three address statements? 2+3=5