Fourth Semester MCA Degree Examination, Jan./Feb. 2021 **Advanced Web Programming**

- BA	NR	Advanced Web Flogramming	
Tim	e: 3	3 hrs.	arks:100
		Note: Answer any FIVE full questions.	arks, 100
1			
1	a.	Explain the three categories of Perl variables. Quote an example for each and exp	
	b.	With an example for each, explain string functions in Perl.	(06 Marks (06 Marks
	c.	Explain the pattern matching technique in Perl. How are they useful in Perl script	s? Explai
		built-in array functions of Perl.	(08 Mark
2	KIS		
2	a.	Explain the Common Gateway Interface. Demonstrate the linkage between	
	b.	document on a browser and a CGI program on a server. Write short notes on:	(10 Mark
	0.	(i) Query string (ii) GET and POST methods.	
		(iii) References in Perl functions (iv) File handlers	(10 Mark
			(10 Main
3	a.	Write a Perl script to insert data into database.	(10 Mark
	b.	Explain different CGI.pm methods.	(06 Mark
	c.	Illustrate the need of cookies on client side. Write the syntax to create a cookie us	
			(04 Marl
4	a.	What is a PHP processor? How does PHP script process client data? Explain.	(06 Movi
		Consider the following array	(06 Mark
		\$list = array(10, 20, 30, 40, 50, 60);	
		(i) What will unset(\$list[3]); result to? and what will be the elements in the curr	ent array
		(ii) $\$$ week = array("Mon" \Rightarrow 1, "Tue" \Rightarrow 2, "Wed" \Rightarrow 3, "Thu" \Rightarrow 4, "Fri" \Rightarrow 5)	
	0	print \$days & \$values separately.	(06 Mark
	C.	How does PHP support cookies? How do you track a session? Explain with a	
		Write a program to track the number of views for a webpage.	(08 Mark
5	a.	Explain the built-in methods for arrays and lists in Ruby.	(10 Mayl
	b.	With suitable examples explain string functions in Ruby	(10 Mark (05 Mark
		Write the remembering and substitution pattern matching in Ruby.	(05 Mark
			(00.1.2012
6	a.	Explain the directory structure of Rails application.	(10 Mark
	b.	Build a Rails application to accept book info namely accession number, title, auth	ors, editi
		and publisher from a web page and store the info in a database and to search for	
		Display the search results with proper headings.	(10 Mark
7	a.	Differentiate between Web 2.0 and traditional web. Highlight the salient	features
		Web 2.0. What are folksonomics?	(06 Mark
	b.	What are IaaS and SaaS? Explain the need of them by quoting suitable examples.	(08 Mark
	c.	Differentiate between convergence and iterative development.	(06 Mark
0		Will a Wild a second	
	a.	What are Web Services? Describe SOAP and WSDL with an example for each.	(10 Mark
	b.	What is JSON? Explain its format.	(10 Marks