



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

COMPUTER SCIENCE AND ENGINEERING

ASSIGNMENT QUESTIONS

Course Title	SCRIPTING LANGUAGES			
Course Code	A80537			
Regulation	R15- JNTUH			
Course Structure	Lectures	Tutorials	Practical	Credits
	4	-	-	4
Course Coordinator	Ms. Y.Harika, Assistant Professor, CSE			
Team of Instructors	Ms. CH.Srividya, Assistant Professor, CSE			

OBJECTIVES:

To meet the challenge of ensuring excellence in engineering education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the program that is being accredited.

In line with this, Faculty of Institute of Aeronautical Engineering, Hyderabad has taken a lead in incorporating philosophy of outcome based education in the process of problem solving and career development. So, all students of the institute should understand the depth and approach of course to be taught through this question bank, which will enhance learner's learning process.

ASSIGNMENT-I

S No	Question	Blooms Taxonomy Level	Course Outcomes
UNIT – I			
1	Explain the modern applications of scripting languages.	Remember	1
2	Discuss the various characteristics of a scripting language.	Understand	1
3	What are lists concept in PERL?	Remember	1
4	Explain pattern matching modifiers.	Remember	2
5	List out the three different meanings of the term “scripting”.	Remember	2
6	Write briefly about scripts and programs?	Understand	1
7	Illustrate the traditional applications of scripting languages.	Understand	2
8	Explain in detail about hash variables.	Remember	1
9	Discuss available built-in array functions in PERL.	Understand	2
10	Explain different methods of iterating over lists.	Remember	2
11	Discuss about Regular Expressions in Perl.	Understand	1
12	State the functionalities of tr, split and join functions in Perl.	Understand	2
13	What is a subroutine? How to define subroutine and call a subroutine with an example?	Remember	1
14	Discuss about local variables and global variables in Perl.	Understand	2
15	What is the difference between hashes and arrays?	Remember	1
UNIT – II			
1	Give a brief account on Dirty Hands Internet Programming.	Remember	3
2	Write briefly about eval function in PERL.	Understand	4
3	Discuss about finer points of looping concept in PERL.	Understand	3
4	Explain random access file in PERL.	Remember	4
5	Explain about packages in PERL.	Remember	3

6	Explain about dirty hands internet programming.	Remember	4
7	Explain about importing the module names in PERL.	Remember	3
8	Describe in detail about process control in UNIX.	Understand	4
9	Explain the usage of IO::Socket module.	Remember	4
10	Illustrate class methods and attributes.	Understand	4
11	How can we create a database using PHP and MySQL?	Remember	3
12	Which programming language does PHP resemble to?	Remember	4
13	List out the predefined classes in PHP.	Remember	3
14	What type of inheritance that PHP supports?	Remember	4
15	What are the advantages/disadvantages of MySQL and PHP?	Remember	4
UNIT – III			
MID-I			
1	Explain the features of PHP.	Remember	5
2	Describe the process of embedding the php code in your web page.	Understand	5
3	Explain how to create functions in PHP..	Remember	6
4	Discuss arrays, strings and regular expressions in PHP.	Understand	5
5	Explain value assignment and reference assignment in PHP.	Remember	6
6	Define typecasting with examples in PHP.	Remember	5
7	Explain the functions for dealing with arrays in PHP.	Remember	6
8	Explain about hard-coded authentication in PHP.	Remember	5
9	Discuss IP-based authentication process in PHP.	Understand	6
10	Explain function libraries in PHP.	Remember	5
ASSIGNMENT-II			
MID-II			
10	Explain the methods to upload files in PHP.	Remember	5
11	Explain how can outputting the data to the browser in PHP.	Remember	6
12	Explain about the two PHP functions that are helpful in file-upload process?	Remember	6
13	State different methodologies and authentication of PHP?	Understand	5
14	Discuss the procedure to send mail by using PHP.	Understand	5
15	Discuss various file inclusion statements in PHP.	Understand	6
16	Write short notes on Mcrypt Package and various encryption functions in PHP?	Understand	5
17	How to build a website by using PHP?	Remember	6
18	How to Move an uploaded file in PHP?	Remember	5
UNIT – IV			
1	Discuss about Tcl structure with a neat diagram.	Understand	7
2	Explain about Mcrypt package?	Remember	8
3	How can you create packages in Tcl. Explain with syntax and example.	Remember	7
4	Explain about procedures, strings and patterns using Tcl?	Remember	8
5	Define exec, source, eval, uplevel commands in Tcl ?	Remember	7
6	List out security issues while using Tcl on developing web applications?	Remember	8
7	Explain about nuts and bolts intent programming?	Remember	7
8	Discuss about TCL I/O commands in detail?	Understand	8
9	Explain about procedures?	Remember	7
10	Discuss about default and variable numbers of arguments for procedures?	Understand	8
11	List out all control structures in Tcl with examples.	Remember	7
12	Describe all data structures available in Tcl with examples.	Understand	8
13	Discuss about all Event driven Programs in Tcl.	Understand	7
14	Explain all widget classes available in Tk.	Remember	8
15	Discuss about Callback Scripts in Tcl.	Understand	7

UNIT – V			
1	Explain how python is compared with other programming languages?	Remember	9
2	Discuss the sequence types that python supports. Explain in detail about strings?	Understand	10
3	Explain in detail about lists and tuples?	Remember	9
4	Discuss about mutable and immutable types of objects?	Understand	9
5	Explain simple statements in Python?	Remember	10
6	Explain the working of for and while loop?	Remember	10
7	Describe the concept of functions with an example?	Understand	9
8	Explain the features of Python language?	Remember	10
9	Explain built-in functions for numeric types?	Remember	10
10	Discuss about built-in functions and methods for files?	Understand	9
11	Write a program that asks the user for a weight in kilograms and converts it to pounds. There are 2.2 pounds in a kilogram.	Understand	9
12	Write a program to fill the screen horizontally and vertically with your name. [Hint: add the option end=" into the print function to fill the screen horizontally.]	Understand	10
13	Explain Exception Handling mechanism in Python.	Remember	9
14	Describe Web application framework using Python.	Understand	10
15	Write a program that uses a for loop to print the numbers 100, 98, 96, . . . 4, 2.?	Understand	9

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