D.Y. PATIL COLLEGE OF ENGINEERING & TECHNOLOGY,
KASABA BAWADA KOLHAPUR-416006
(An Autonomous Institute)
T.Y. B. Tech (Chem) (Semester-V)
END SEMESTER EXAMINATION(ESE), Dec. 2022

Q. Paper Code: 22CHMC5506
Set-: I
Seat No :

COURSE NAME: Application of MATLAB in chemical Engineering COURSE CODE: **221CHMC5**
Day and Date: Saturday, 3/12/2022
Time:10.00 am to 11.00 am   **Max. Marks- 50**

OBJECTIVE

			Correct Option
Q. 1)	What is the name of a primary function?		A
	A. Name of M-file	B. Name of Script File	
	C. Name of Script File	D. Name of Private-File	
Q. 2)	Predominantly, what are the two kinds of errors in MATLAB programs?		C
	A. Syntax and logic	B. Logic and runtime	
	C. Syntax and runtime	D. Syntax and algorithmic	
Q.3)	Which line is treated as H1 line?		A
	A. Comment line succeeding function definition	B. Comment line succeeding function definition	
	C. Comment line succeeding function definition	D. All lines before and after function definition	
Q. 4)	What does the Workspace show?		C
	A. Attributes of variables, functions from command window	B. Attributes of variables, script files from command window	
	C. Attributes of variables, script files, functions from command window	D. Attributes of variables from command window	
Q. 5)	A student has created a plot of $y(t)=t^2$. He is need to show another graph of $z(t)=t^3$ in the same plot. But every time he hits the plot() function- MATLAB generates a plot of z(t) vs t but on a different window. What is the error?		D
	A. It is not possible to plot multiple plots	B. He is not using the line function	
	C. Maybe he is using stem() instead of	D. He is not using the hold function	

	plot()			
Q. 6)	What is the extension of script files?			A
	A. .m	B. .mat		
	C. .script	D. There is a nothing called script file		
Q. 7)	How do you create a function file in MATLAB?			A
	A. Begin m-file with function definition	B. Begin script file with function definition		
	C. There is no such thing called function file	D. An m-file is only a function file		
Q. 8)	To add comments in MATLAB, use _____			A
	A. //	B. %/		
	C. /%	D. %		
Q. 9)	What will the following set of commands do when they are present in a script file? stem[y1,y2]; title('p'); print -deps p			C
	A. Plot the discrete graph of y1 and y2	B. There is no stem command in MATLAB		
	C. Store the graph as a separate file	D. Cannot be determined		
Q. 10)	MATLAB allows modeling of different control systems using _____			A
	A. Simulink	B. Control System Toolbox		
	C. Not available in MATLAB as of yet	D. ezplot		
Q.11)	What is the default increment value in a for-loop?			B
	A. 0	B. 1		
	C. An increment value is necessary	D. 0/1		
Q.12)	Amongst multiple elseif and nested if, which would take less runtime?			A
	A. multiple elseif	B. nested if		
	C. elseif	D. elseif & nested if		
Q.13)	The end statement is given multiple times in _____			B
	A. multiple elseif	B. nested if		
	C. elseif	D. elseif & nested if		
Q.14)	The if structure is a _____			A
	A. Conditional structure	B. Logical structure		

	C. Nested structure	D. Biased structure		
Q.15)	The switch-case structure is a _____			B
	A. Conditional structure	B. Logical structure		
	C. Multidimensional structure	D. Hierarchical structure		
Q.16)	What happens if we don't assign a variable to an expression which evaluates a numerical value?			C
	A. MATLAB shows error	B. Nothing happens		
	C. Nothing happens	D. Depends on the numerical value		
Q.17)	Name the functions used, for multiplication and division of two polynomials in MATLAB.			A
	A. conv() and deconv()	B. mult() and div()		
	C. mult() and div()	D. mult and div		
Q.17)	What is the syntax to solve simultaneous equations easily?			D
	A. solve["equation-1","equation-2"];	B. sol["equation-1" "equation-2"];		
	C. sol['equation-1''equation-2'];	D. solve['equation-1','equation-2'];		
Q.18)	How many errors will MATLAB show if the following code entered? A=[1;2;3]; B=[1 2]; C=A.*B;D=C*A;			B
	A. 2	B. 1		
	C. No Error	D. 4		
Q.19)	What is the advantage of MATLAB over other computing software with matrix dimensions?			C
	A. No advantage	B. Real time pre-defined memory allocation		
	C. Real time user-defined memory allocation	D. Matrix operations are easily computed		
Q.20)	What is the function used to multiply a matrix, A, with itself n times?			A
	A. mtimes(A,n)	B. ntimes(A,n)		
	C. mtimes(n,A)	D. mtimes(A^n)		
Q.21)	Which operator set is used for left and right division respectively?			A
	A. .\ and ./	B. ./ and .\		
	C. Left division and right division is not available in MATLAB	D. / and \		
Q.22)	What is the nature of storage of anything in MATLAB?			A
	A. Stored as arrays	B. Stored as a data structure		
	C. Stored as a variable	D. Depends on nature of the input		

Q.23)	Strings are stored in _____ variables.		A
	A. Character	B. String	
	C. Stack	D. Array	
Q.24)	Strings are stored in _____ variables.		A
	A. Character	B. String	
	C. Stack	D. Array	

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