	ADVANCED JAVA PROGRAMMING				
1.	What letter precedes swing component? – a) A, b) J, c) D, d)W				
	What is Default Layout in a frame? – a) Border Layout, b) Grid Layout, c) Flow Layout, d) Card Layout				
	Which class represents an Internet Protocol address? – a) InetAddress, b) Address, c) IPAddress, d) TCPAddress				
	MAC address is – a) logical, b) physical, c) link, d) Uplink				
	1Pv4 address is of – a) 46 bits, b) 32 bits, c) 48 bits, d) 16 bits				
6.	URL is – a) uniform resource locator, b) uniform resource allocator, c) unified resource locator, d) both a) & b)				
	Socket address is consisting of – a) port number and ip address, b) port number, c) ip address, d) class				
8.	Which is a package? – a) javax.swing, b) java.awt, c) java.io, d) all of these				
9.	Which of the following is a transport layer protocol? – a) IP, b) UDP, c) TCP, d) both b and c				
10.	What is ActionListener? – a) class, b) interface, c) object, d) method				
11.	What is the full form of UTF? - a) unicode transformation format, b) universal transformation format, c) universal				
	transformation form, d) unicode transfer form				
12.	Give the full form of AWT – a) Applet Windowing Toolkit, b) Abstract Window Toolkit, c) Absolute Windowing Toolkit, d)				
	Abstract Window Toolbar				
13.	What kind of protocol is UDP? – a) connection oriented, b) connectionless, c) path oriented, d) both a and b				
14.	Which of the following methods is used to set a component in a specific position of a frame? – a) setColor, b) setBounds, c)				
	setVisible, d) setLayout				
15.	What is the end point of communication called? – a) port address, b) docket, c) socket, d) IP address				
16.	=, -, -, -, -, -, -, -, -, -, -, -, -, -,				
	Which of the following class does not belong to AWT? – a) Button, b) CheckBox, c) JRadioButton, d) Frame				
18.	Which of the following class represents a TCP server socket? - a) Socket, b) ServerSocket, c) DatagramSocket, d)				
19	Which of the following is used to create a dropdown? – a) JButton, b) JComboBox, c) JRadioButton, d) Jframe				
	Which of the following is a network layer protocol? – a) Telnet, b) HDLC, c) IP, d) UDP				
20	which of the following is a network layer protocor. a) remet, of ribbe, of ri, a) obt				
<u></u>	Differentiate between AWT and SWING.				
1.	Differentiate services AWT and SWITTE.				
2.	Write a program to create a menubar with three menus in a frame.				

rich of the following searching technique is better in terms of time complexity when the elements are sorted in ascending order? – a) exhaustive search, b) linear uch, c) binary search, d) heuristic search	eəs
sich of the following searching technique is better in terms of time complexity when the alements	Μ
nere does the operator appear in a syntax tree? – a) leaf node. b) interior node	T AA
section and action in prement 1 AC? – a) quadruple, b) triple, c) indirect triple, d) quintuple	
hat is the fifth phase of compilation? – a) code optimization, b) code generation, c) lexical analysis, d) syntax analysis	Μ
hat is the fifth phase of compilation? – a) code optimization by syntax tree, c) TAC, d) assembly code	Μ
hich of the following is not an intermediate form? – a) postfix notation, b) syntax tree, c) TAC, d) assembly code	M
hat is the similarity between LR, LALR and SLR? - a) Use same algorithm, but different parsing table, b) Same parsing table, but different algorithm, c) Their raing tables and algorithm are different algorithm, c) Their hich of the following is not an intermediate form.	Ра
VINO (VI) BILL (III) (III) (III) (III) DILL (III) (III) SILI (IIII) SILI (IIII) SILI (IIII) SILI (I	M
(i) only, b) (i) and (iii) only, c) (ii) and (iii) only, d) (iii) and (iv) only	
hich of the following grammar rules violate the requirements of an operator grammar? $P > QR$ , (ii) $P > QsR$ , (iii) $P > QsR$ , (iv) $P >$	
Thich of these does not belong to CFG? - a) Terminal Symbol, b) Non terminal Symbol, c) Start symbol, d) End Symbol	m
Thich of these does not be be a feet of the feet of th	N
Rightmost Derivation, b) Right most derivation in reverse,c) Lest most derivation, d) Lest most derivation in reverse	9)
top down parset generates	
Lexical Analysis, b) Syntax Analysis, c) Semantic Analysis, d) Code Generation	3)
Source program, tokens, b) Token, source program, c) Either of the two, d) parse tree, syntax tree	РЗ
e lexical analyzer takes as input and produces a stream of Source program, tokens, b) Token source program of Eubor of the source	(8)
seracters are grouped into tokens in which of the following phase of the compiler design? - a) Code generator, b) Lexical analyzer, c) Parser, d) Code optimization	СР
which of the following phase of the compiler is Lexical Analyset? - a) Second, b) Third, c) First, d) All of the mentioned	ш
hich of the following phase of the compiler is Syntax Analysis? - a) Second, b) Third, c) First,d) All of the mentioned	M
District and are to the control of t	
nich of the following is known as a compiler for a high-level language that runs on one machine and produces code for a different machine? - a) Cross compiler, b) Arional second for a different machine? - a) Cross compiler, b)	IW IW
no is responsible for the creation of the symbol table? - a) Assembler, b) Compiler, c) Interpreter, d) All of the mentioned	M
MUNICIPAL SURVEY (STATES AND ASSESSMENT (STAT	
programmer, writes a program to multiply two numbers instead of dividing them by mistake, how can this error be detected? - a) Compiler or interpreter. b)	iγ
nich of the following error can a compiler check? - a) Syntax Error, b) Logical Error, c) Both Logical and Syntax Error, d) Compiler cannot check errors	lΜ
ist is a compiler? - a) system program that converts instructions to machine language, b) system program that converts machine language to high-level language, c) tem program that writes instructions to perform, d) None of the mentioned	cle
	$1/\Omega$

sorted in ascending order? - a) exhaustive search, b) linear search, c) binary search, d) heuristic search 19. Which of the following searching technique is better in terms of time complexity when the elements are

- 20. The context free grammar S  $\rightarrow$  SS | 0S1 | 1S0 |  $\varepsilon$  generates
- a) Equal number of 0's and 1's, b) Unequal number of 0's and 1's, c) Number of 0's followed by any number of 1's, d) None of the mentioned

1. Translate the following expression to quadruple, triple and indirect triple-

 $A + b \times c / e \uparrow f + b \times c$ 

2. Consider the grammar-

 $S \rightarrow bB / aA$ 

 $A \rightarrow b/bS/aAA$ 

 $B \rightarrow a / aS / bBB$ 

For the string w = bbaababa, find-

- a) Leftmost derivation
- b) Rightmost derivation
- c) Parse Tree

<ol> <li>Number of frame buffer required to represent a black and white image is – a) 1, b) 2, c) 3, d) 4.</li> <li>Number of frame buffer required to represent a gray scale image is – a) 1, b) 2, c) 3, d) 4.</li> <li>Number of frame buffer required to represent a color image is – a) 1, b) 2, c) 3, d) 4.</li> <li>Minimum number of bits required to represent a binary image is – a) 1, b) 2, c) 3, d) 4.</li> </ol>
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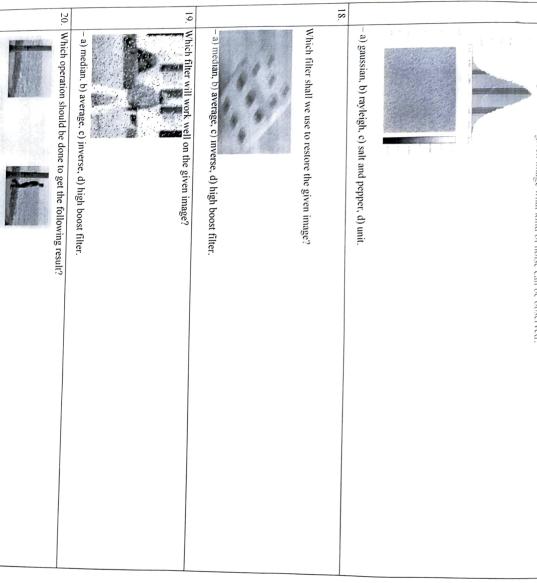
- S Detect noise from the following image
- 6 d) negation In medical image processing which of the following operations is done frequently – a) addition, b) multiplication, c) subtraction, a) 1, b) 3, c) 5, d) 200

7

S

3 200 4

- 9 8 with scalar number, b) contrast stretching, c) histogram equalization, d) negation. If you have a very low contrast image which technique will you prefer more to improve the contrast – a) image multiplication c) 370, d) cannot be said. To get more details from an gray level image when converted to binary level image thresh hold value should be – a) 120, b) 130, Which following operation will you choose if your image is not bright - a) addition, b) multiplication, c) subtraction, d) negation.
- 10. Operation used to separate back ground from fore ground is acquisition. - a) enhancement, b) restoration, c) segmentation, d) image
- d) image acquisition Which filter will you use for the following image segment with noise? – a) low pass filter, b) high pass filter, c) band pass filter (J 57
- 12 230 254 244 247 d) image acquisition. Which filter will you use for the following image segment with noise? - a) low pass filter, b) high pass filter, c) band pass filter 3 200 4 4 14 46 46
- 14. 13. enhancement, b) filtering, c) segmentation, d) image acquisition. Which of the following technique will you use to de noise your image which has been captured with lots of noise b) restoration, c) segmentation, d) image acquisition. Which of the following technique will you use to ensharp your image which has been captured with blurriness - a) enhancement, Triad is collection of -a) 2 color spots, b) 3 color spots, c) single color spots, d) 4 color spots. 234 200 222 255 197 244 222 6 244 233 222 6 ١ a
- 16. Which of the following technique/techniques is/are not associated in the following image a) enhancement, b) filtering, c) segmentation, d) image acquisition



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What new value shall we get for position (0,0) and (1,1) if we use median filter and also if you consider 0 padding is done before

Apply histogram equalization on the following image segment of 3 bits

a) addition, b) subtraction, c) multiplication, d) negation.

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