

ERRATA (تصحیح)

NAT ICS

QUESTIONS NO.		CORRECTIONS
INFORMATION NETWORKS		
Pg # 50	5. The process of transferring a file from a local computer to a remote computer on a network is called: A. uploading B. downloading C. FTP D. browsing	5. The process of transferring a file from a local computer to a remote computer on a network is called: A. uploading B. downloading C. FTP D. browsing
Pg # 50	3. All previous networks were replaced by National Science Foundation's NSFNET in: A. 1968 B. 1970 C. 1980 D. 1989	3. All previous networks were replaced by National Science Foundation's NSFNET in: A. 1968 B. 1970 C. 1980 D. 1989
Pg # 50	16. The US Department of Defense started the in 1969: A. LAN B. WAN C. DARPA D. Internet	16. The US Department of Defense started the in 1969: A. LAN B. WAN C. DARPA D. Internet
Pg # 50	18. TCP/IP was developed for use in ARPANET in A. 1970 B. 1973 C. 1983 D. 1993	18. TCP/IP was developed for use in ARPANET in A. 1970 B. 1973 C. 1983 D. 1993
Pg # 50	19. Cellular (mobile) phones systems are often: A. LANs B. MANs C. WANs D. none of the above	19. Cellular (mobile) phones systems are often: A. LANs B. MANs C. WANs D. none of the above
Pg # 51	26. This layer in the OSI model provides network services to user applications: A. physical B. transport C. application D. presentation	26. This layer in the OSI model provides network services to user applications: A. physical B. transport C. application D. presentation
DATA COMMUNICATIONS		
Pg # 52	8. The fastest mode of data transmission is: A. simplex B. half-duplex C. full-duplex D. None of the above	8. The fastest mode of data transmission is: A. simplex B. half-duplex C. full-duplex D. None of the above
Pg # 52	12. The unguided media carry signals in the form of: A. microwaves B. electromagnetic waves C. infrared waves D. all of the above	12. The unguided media carry signals in the form of: A. microwaves B. electromagnetic waves C. infrared waves D. all of the above

Pg # 52	21. The maximum data rate that a medium of 10 KHz and signal to noise ratio of 30dB is roughly A. 10Kbps B. 30Kbps C. 100Kbps D. 3Kbps	21. The maximum data rate that a medium of 10 KHz and signal to noise ratio of 30dB is roughly A. 10Kbps B. 30Kbps C. 100Kbps D. 3Kbps
Pg # 53	24. The maximum rate at which a modem can transmit data is around bps. A. 14,400 B. 46,000 C. 64,000 D. one million	1. The maximum rate at which a modem can transmit data is around bps. A. 14,400 B. 46,000 C. 64,000 D. one million

APPLICATION AND USES OF COMPUTERS

Pg # 53	2. Remak RX 32 three-axis servo robot fits machine up to: A. 100 tons B. 200 tons C. 300 tons D. 400 tons	2. Remak RX 32 three-axis servo robot fits machine up to: A. 100 tons B. 200 tons C. 300 tons D. 400 tons
Pg # 53	7. Which of the following is not involved in e-commerce? A. e-mail B. video conferencing C. electronic banking D. none of the above	7. Which of the following is not involved in e-commerce? A. e-mail B. video conferencing C. electronic banking D. none of the above

SECURITY, COPYRIGHT & THE LAW

Pg # 55	9. Which of the following statements is correct? A. a virus may destroy hardware B. a virus cannot read Pin code or Credit card number C. a virus may make resources unavailable to the users D. none of the above	9. Which of the following statements is correct? A. a virus may destroy hardware B. a virus cannot read Pin code or Credit card number C. a virus may make resources unavailable to the users D. none of the above
Pg # 55	11. The Act intended to protect individuals from unauthorized use and disclosure of personal information held on a computer system is: A. Privacy Protection Act B. Cable communications Policy Act C. Data Protection Act D. all of the above	11. The Act intended to protect individuals from unauthorized use and disclosure of personal information held on a computer system is: A. Privacy Protection Act B. Cable communications Policy Act C. Data Protection Act D. all of the above
Pg # 55	13. Making illegal copies of copyrighted software is called: A. copyleft B. theft C. piracy D. either b or c	1. Making illegal copies of copyrighted software is called: A. copyleft B. theft C. piracy D. either b or c
Pg # 56	23. A program that performs a useful task and at the same time carries out some secret destructive act is called: A. Sabotage B. Trojan horse C. Worm D. Logic bomb	2. A program that performs a useful task and at the same time carries out some secret destructive act is called: A. Sabotage B. Trojan horse C. Worm D. Logic bomb

WINDOWS OPERATING SYSTEM		
Pg # 57	7. CTRL + ALT + Del is: A. an invalid key combination B. recognized by windows C. used to close the active window D. both b and c	7. CTRL + ALT + Del is: A. an invalid key combination B. recognized by windows C. used to close the active window D. both b and c
Pg # 57	20. The keyboard shortcut to delete a selected item permanently without placing the item in the recycle Bin is: A. CTRL + DELETE B. ALT + DELETE C. SHIFT + DELETE D. none of the above	20. The keyboard shortcut to delete a selected item permanently without placing the item in the recycle Bin is: A. CTRL + DELETE B. ALT + DELETE C. SHIFT + DELETE D. none of the above
WORD PROCESSING		
Pg # 58	10. To select an entire Word document: A. hold down CTRL and press F8 B. hold down CTRL and click in the selection bar C. double-click in the selection bar D. choose entire from select menu	10. To select an entire Word document: A. hold down CTRL and press F8 B. hold down CTRL and click in the selection bar C. double-click in the selection bar D. choose entire from select menu
Pg # 58	8. When you copy a block of text in a word document, it is temporarily stored in the: A. buffer B. register C. clipboard D. cache	8. When you copy a block of text in a word document, it is temporarily stored in the: A. buffer B. register C. clipboard D. cache
Pg # 59	24. The key board shortcut used to copy selected text or object is: A. CTRL + X B. CTRL + V C. CTRL + C D. CTRL + Y	24. The key board shortcut used to copy selected text or object is: A. CTRL + X B. CTRL + V C. CTRL + C D. CTRL + Y
Pg # 59	27. Which of the following function keys is used to choose the save as command? A. F2 B. F4 C. F10 D. F12	27. Which of the following function keys is used to choose the save as command? A. F2 B. F4 C. F10 D. F12
Pg # 59	30. Which of the following commands opens a document? A. CTRL + S B. CTRL + W C. CTRL + O D. CTRL + N	30. Which of the following commands opens a document? A. CTRL + S B. CTRL + W C. CTRL + O D. CTRL + N
Pg # 59	31. Which of the following command is used to switch to normal layout view? A. ALT + CTRL + P B. ALT + CTRL + O C. ALT + CTRL + N D. none of the above	31. Which of the following command is used to switch to normal layout view? A. ALT + CTRL + P B. ALT + CTRL + O C. ALT + CTRL + N D. none of the above
Pg # 60	34. The direction in which document is printed on paper is called: A. page alignment B. page print view C. page orientation	34. The direction in which document is printed on paper is called: A. page alignment B. page print view C. page orientation

DATABASE		
Pg # 60	2. Which of the following data model is more flexible? A. Network data model B. Hierarchical data model C. Relational data model D. Object data model	2. Which of the following data model is more flexible? A. Network data model B. Hierarchical data model C. Relational data model D. Object data model
Pg # 60	9. DBMS is better than A. Usual filing system B. Ordinary filing system C. Manual filing system D. Automatically filing system	9. DBMS is better than A. Usual filing system B. Ordinary filing system C. Manual filing system D. Automatically filing system
Pg # 60	10. With database data can be checked for A. Different conditions B. Fixed conditions C. Some conditions D. Specific conditions	10. With database data can be checked for A. Different conditions B. Fixed conditions C. Some conditions D. Specific conditions
Pg # 61	18. With database, data is in A. Standard form B. Unnormalize form C. Complete D. Integrated	18. With database, data is in A. Standard form B. Unnormalize form C. Complete D. Integrated
BASIC CONCEPTS AND TERMINOLOGY		
Pg # 61	6. How many components are present in data base? A. Two B. Three C. Four D. Five	6. How many components are present in data base? A. Two B. Three C. Four D. Five
Pg # 61	8. IDE is a (an) A. Hardware B. Interface C. Software D. Administrator	8. IDE is a (an) A. Hardware B. Interface C. Software D. Administrator
DATABASE DESIGN PROCESS		
Pg # 62	1. Which of the following keys does not hold uniqueness property? A. candidate key B. foreign key C. primary key D. secondary key	1. Which of the following keys does not hold uniqueness property? A. candidate key B. foreign key C. primary key D. secondary key
Pg # 62	4. In ERD model, the relationship between two entities is represented by a: A. diamond symbol B. rectangular box C. oval symbol D. line	4. In ERD model, the relationship between two entities is represented by a: A. diamond symbol B. rectangular box C. oval symbol D. line
Pg # 63	12. Which of the following is not a broad category of the database system? A. Relational B. Hierarchies	12. Which of the following is not a broad category of the database system? A. Relational B. Hierarchies

	C. Inverted list D. Semantic	C. Inverted list D. Semantic
Pg # 63	16. Object-oriented is a A. Broad category of relational database model. B. Latest research on the relational database model. C. Principles of the relational database model. D. None of the above.	16. Object-oriented is a A. Broad category of relational database model. B. Latest research on the relational database model. C. Principles of the relational database model. D. None of the above.
Pg # 63	17. A relational database system is a system in which A. The user views all the data as being stored in the form of tables. B. The operations are operate on tables only. C. The operations are produced as their output, data in form of tables. D. All the above	17. A relational database system is a system in which A. The user views all the data as being stored in the form of tables. B. The operations are operate on tables only. C. The operations are produced as their output, data in form of tables. D. All the above
DATA INTEGRITY AND NORMALIZATION		
Pg # 64	15. Sometime, a record could not be identified by a single primary key. In this case two keys are combined to identifying a particular record. The join key is called A. Composite key B. Foreign key C. Concatenated key D. Secondary key	15. Sometime, a record could not be identified by a single primary key. In this case two keys are combined to identifying a particular record. The join key is called A. Composite key B. Foreign key C. Concatenated key D. Secondary key
INTRODUCTION TO MICROSOFT ACCESS		
Pg # 65	15. In Access data can be sorted in A. Ascending order B. Descending order C. Normal order D. Both a and b	15. In Access data can be sorted in A. Ascending order B. Descending order C. Normal order D. Both a and b
Pg # 65	18. Deranging in the table design are made from A. Design view B. Temp view C. Datasheet view D. Quick view	18. Deranging in the table design are made from A. Design view B. Temp view C. Datasheet view D. Quick view
TABLE AND QUERY		
Pg # 66	3. In a relational database, a single piece of information is called: A. Field B. Record C. Entity D. Attribute	3. In a relational database, a single piece of information is called: A. Field B. Record C. Entity D. Attribute

Pg # 66	5. How many table views are available in Microsoft Access? A. 4 B. 3 C. 2 D. 1	5. How many table views are available in Microsoft Access? A. 4 B. 3 C. 2 D. 1
Pg # 66	10. The wildcard _____ sal[eij]ma. A. Saleema B. Salima C. both a and b D. none of them	10. The wildcard _____ sal[eij]ma. A. Saleema B. Salima C. both a and b D. none of them
Pg # 66	12. In a table each element is called A. Entity B. Data file C. Record D. Value	12. In a table each element is called A. Entity B. Data file C. Record D. Value
Pg # 66	16. With primary key two rows in a table are A. Same B. Not same C. Light same D. Identical	16. With primary key two rows in a table are A. Same B. Not same C. Light same D. Identical
Pg # 66	18. A table may have attributes as primary key A. two B. only one C. foreign key D. all the above	18. A table may have attributes as primary key A. two B. only one C. foreign key D. all the above

FORMS AND REPORTS

Pg # 67	1. Forms are designed for: A. Input data B. manipulate data C. accepting change D. all of these	1. Forms are designed for: A. Input data B. manipulate data C. accepting change D. all of these
Pg # 67	10. How many are the layouts of report? A. 2 B. 3 C. 4 D. 5	10. How many are the layouts of report? A. 2 B. 3 C. 4 D. 5
Pg # 67	11. Displays OLE objects such as a series of images, which of the following toolbox is used? A. Unbound object form B. Found object form C. Sub form D. Option group	11. Displays OLE objects such as a series of images, which of the following toolbox is used? A. Unbound object form B. Found object form C. Sub form D. Option group
Pg # 67	13. Which of the following is not unbound control used to accept user input in a custom dialogue box, or part of an option button? A. Combo box B. Toggle button C. Option button D. Check box	13. Which of the following is not unbound control used to accept user input in a custom dialogue box, or part of an option button? A. Combo box B. Toggle button C. Option button D. Check box

GETTING STARTED WITH C

Pg # 68	6. The expression in define directive: A. can only be changed at the end of the program	6. The expression in define directive: A. can only be changed at the end of the program
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	<p>B. cannot be changed C. cannot be changed but can be redefine D. cannot be assigned a value</p>	<p>B. cannot be changed C. cannot be changed but can be redefine D. cannot be assigned a value</p>
Pg # 68	<p>9. Which of the following key is used to save a file? A. F2 B. F3 C. F5 D. F9</p>	<p>9. Which of the following key is used to save a file? A. F2 B. F3 C. F5 D. F9</p>
Pg # 68	<p>11. C language has been developed by A. Ken Thompson B. Dennis Ritchine C. Peter Norton D. Martin Richards</p>	<p>11. C language has been developed by A. Ken Thompson B. Dennis Ritchine C. Peter Norton D. Martin Richards</p>
Pg # 68	<p>12. C language has been developed at A. Microsoft Corp. USA B. AT and T Bell Labs. USA C. Borland International USA D. IMB, USA</p>	<p>12. C language has been developed at A. Microsoft Corp. USA B. AT and T Bell Labs. USA C. Borland International USA D. IMB, USA</p>
Pg # 69	<p>13. C language came into existence in the year A. 1971 B. 1957 C. 1972 D. 1983</p>	<p>13. C language came into existence in the year A. 1971 B. 1957 C. 1972 D. 1983</p>
Pg # 69	<p>14. C is a A. Middle level language B. High level language C. Low level language D. None of the above</p>	<p>14. C is a A. Middle level language B. High level language C. Low level language D. None of the above</p>
Pg # 69	<p>16. The real constant in C can be expressed in which of the following forms? A. Fractional form only B. Exponential form only C. ASCII form only D. Both a and b</p>	<p>16. The real constant in C can be expressed in which of the following forms? A. Fractional form only B. Exponential form only C. ASCII form only D. Both a and b</p>
Pg # 69	<p>19. The maximum width of a C variable name can be A. 6 characters B. 8 characters C. 10 characters D. 20 characters</p>	<p>19. The maximum width of a C variable name can be A. 6 characters B. 8 characters C. 10 characters D. 20 characters</p>
Pg # 69	<p>20. In $b=6.6/a+(2*a+(3*c)/a*d)/(2/n)$; which operation will be performed first A. $6.6/a$ B. $2*a$ C. $3*c$ D. $2/n$</p>	<p>20. In $b=6.6/a+(2*a+(3*c)/a*d)/(2/n)$; which operation will be performed first A. $6.6/a$ B. $2*a$ C. $3*c$ D. $2/n$</p>

ELEMENTS OF C		
Pg # 70	16. A variable name is any combination of _____ alphabets, digits or underscore. A. 1 to 2 B. 1 to 4 C. 1 to 8 D. 1 to 16	16. A variable name is any combination of _____ alphabets, digits or underscore. A. 1 to 2 B. 1 to 4 C. 1 to 8 D. 1 to 16
Pg # 70	17. Some compilers allow variable names whose length could be up to A. 1 to 20 characters B. 1 to 40 characters C. 1 to 60 characters D. 1 to 80 characters	17. Some compilers allow variable names whose length could be up to A. 1 to 20 characters B. 1 to 40 characters C. 1 to 60 characters D. 1 to 80 characters
Pg # 70	18. Which of the following special symbol is used within a variable? A. + B. @ C. - D. none	18. Which of the following special symbol is used within a variable? A. + B. @ C. - D. none
INPUT/OUTPUT		
Pg # 70	2. The escape sequence for backslash is: A. \ B. \b C. \\ D. \t	2. The escape sequence for backslash is: A. \ B. \b C. \\ D. \t
Pg # 70	3. The format specifier %u is used for: A. integer B. unsigned short C. unsigned float D. unsigned long int	3. The format specifier %u is used for: A. integer B. unsigned short C. unsigned float D. unsigned long int
Pg # 71	8. %10.5d, where 15 is a A. Integer B. Precision C. Field where D. Format symbol	8. %10.5d, where 15 is a A. Integer B. Precision C. Field where D. Format symbol
Pg # 71	13. Which of the following format is used for the white space? A. %c B. %w C. %s D. %f	13. Which of the following format is used for the white space? A. %c B. %w C. %s D. %f
Pg # 71	15. The function that is used to read only one string at a time is called A. scanf() B. puts() C. gets() D. getchar()	15. The function that is used to read only one string at a time is called A. scanf() B. puts() C. gets() D. getchar()
Pg # 71	19. Which of the following is correct? A. sort unsigned int I B. unsigned int I C. unsigned I D. all the above	19. Which of the following is correct? A. sort unsigned int I B. unsigned int I C. unsigned I D. all the above
Pg # 71	20. When we declare the integer as unsigned int num_students, then what will be the range of integers? A. -32768 to +32767 B. -65535 to 0 C. 0 to 5535	20. When we declare the integer as unsigned int num_students, then what will be the range of integers? A. -32768 to +32767 B. -65535 to 0 C. 0 to 5535

	D. 0 to 4294967295	D. 0 to 4294967295
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DECISION CONSTRUCTS

Pg # 72	6. Which of the following is not a relational operator? A. == B. = C. != D. <=	6. Which of the following is not a relational operator? A. == B. = C. != D. <=
Pg # 73	20. Which of the following symbol is represented as unary operator? A. + B. ! C. / D. ~	20. Which of the following symbol is represented as unary operator? A. + B. ! C. / D. ~

LOOP CONSTRUCTS

Pg # 73	3. In case of programming, when you want to do something a fixed number of times, then which of the following statement is used? A. for statement B. while statement C. do-while statement D. continue statement	3. In case of programming, when you want to do something a fixed number of times, then which of the following statement is used? A. for statement B. while statement C. do-while statement D. continue statement
Pg # 74	10. A multiple statement while loop is terminated with a A. Right brace B. Right bracket C. Coma D. Semicolon	10. A multiple statement while loop is terminated with a A. Right brace B. Right bracket C. Coma D. Semicolon
Pg # 74	11. A while loop is more appropriate than a for loop when A. The terminating condition occurs unexpectedly B. The body of the loop will be executed at least once C. The program will be executed at least once D. The number of times the loop will be executed is known before the loop is executed	11. A while loop is more appropriate than a for loop when A. The terminating condition occurs unexpectedly B. The body of the loop will be executed at least once C. The program will be executed at least once D. The number of times the loop will be executed is known before the loop is executed
Pg # 74	13. The break statement is used to exit from which part of a loop? A. Beginning B. Middle C. End D. None of the above	13. The break statement is used to exit from which part of a loop? A. Beginning B. Middle C. End D. None of the above

FUNCTIONS IN C

Pg # 75	9. A built-in function: A. cannot be redefined B. can be redefined C. cannot return a value D. should be redefined	9. A built-in function: A. cannot be redefined B. can be redefined C. cannot return a value D. should be redefined
Pg # 76	14. Which of these are valid reasons for using functions? A. They use less memory than repeating the same code	14. Which of these are valid reasons for using functions? A. They use less memory than repeating the same code

	<p>B. They run faster C. They keep different program activities separate D. They keep variables safe from other parts of the program</p>	<p>B. They run faster C. They keep different program activities separate D. They keep variables safe from other parts of the program</p>
Pg # 76	<p>16. The variables commonly used in C functions are accessible A. To all other functions B. To only one function C. To specific functions D. To special functions</p>	<p>16. The variables commonly used in C functions are accessible A. To all other functions B. To only one function C. To specific functions D. To special functions</p>
Pg # 76	<p>17. Which of the following can be passed to a function via arguments? A. Constants B. Variables (with values) C. Expressions D. Preprocessor directives</p>	<p>17. Which of the following can be passed to a function via arguments? A. Constants B. Variables (with values) C. Expressions D. Preprocessor directives</p>
Pg # 76	<p>18. Which of the following is true? A. C functions are all equal B. C functions can be nested within each other C. C functions are arranged in a strict hierarchy D. C functions can only be called from main()</p>	<p>18. Which of the following is true? A. C functions are all equal B. C functions can be nested within each other C. C functions are arranged in a strict hierarchy D. C functions can only be called from main()</p>
Pg # 76	<p>19. An external variable is defined in a declaration A. in main () only B. in the first function that uses it C. in any function that uses it D. outside of any function</p>	<p>19. An external variable is defined in a declaration A. in main () only B. in the first function that uses it C. in any function that uses it D. outside of any function</p>
FILE HANDLING IN C		
Pg # 76	<p>2. Which of the following mode open only an existing file for both reading and writing? A. "w" B. "w+" C. "r+" D. "a+"</p>	<p>2. Which of the following mode open only an existing file for both reading and writing? A. "w" B. "w+" C. "r+" D. "a+"</p>