

ICS Part 2 Computer Science Online Test

Sr	Questions	Answers Choice
1	Which of the following data model is more flexible?	A. network model B. hierarchical model C. index sequential file D. direct access file
2	Which of the following may be a temporary life?	A. master File B. transaction file C. back up file D. none of these
3	The process data is called	A. data B. information C. processing D. none
4	SQL is	A. structure query language B. unstructured language C. object oriented language D. SAM query language
5	The types of files from usage point of view include	A. master file B. transaction file C. back up file D. all of them
6	A database is an organized collection of ----- related data	A. logically B. physically C. loosely D. badly
7	Basic, fortan cobol, Pascal, C etc are ----- language	A. high-level B. lovel-level C. medium-level D. intermediate-level
8	The C statements are normally written in ----- letters	A. lower-case B. key words C. upper-case D. a or c
9	A computer program written in a high-level language is called	A. object code B. re locateable code C. source code D. none of them
10	The ----- translates the source program into the machine code or object code	A. compiler B. assembler C. interpreter D. all of them
11	The high-level languages are -----	A. machine dependent B. not machine dependent C. expensive D. more easier to learn
12	C programming language was developed for -----	A. Dos B. Windows C. Unix D. Xenix
13	C is ----- level language	A. high B. medium C. low D. a and b
14	----- are written before the main () function	A. C statements B. preprocessor directives C. linking instructions D. both a and b
15	SQL is used for	A. data definition B. data manipulation C. a and b D. searching record

16	The columns of a table correspond to	A. table B. record C. field D. cell
17	The foreign key is found in	A. parent table B. dependent table C. pivot table D. index table
18	A table most has	A. primary key B. secondary key C. composite key D. sort key
19	A two-dimensional table of data is called a	A. group B. set C. declaration D. relation
20	A relation is known as	A. table B. tuple C. relationship D. attribute
21	An attribute is also known as	A. table B. elation C. row D. field
22	A row of relation is called	A. attribute B. entity C. tuple D. both a & c
23	Which of the following cannot be use in variables names?	A. numbers B. under score C. alphabets D. space
24	Which of the following is not a valid variable name ?	A. Roll No B. Roll No C. Roll-No D. Roll #
25	Which type of variable can store numbers data ?	A. int B. float C. double D. all
26	Which type of variable can store real value	A. int B. long int C. char D. Float
27	Int type variable use ----- bytes in memory	A. 2 B. 4 C. 6 D. 8
28	C language has ----- key words	A. 50 B. 45 C. 32 D. 27
29	The operator that needs one operand is called	A. unary B. binary C. ternary D. all
30	Which of the following key does not hold uniqueness property ?	A. candidate key B. foreign key C. primary key D. Secondary key
31	An entity related to itself in an ERD model refers to	A. recursive relationship B. one-to-many relationship C. many to many relationship D. on to one relationship
32	In ERD model, the relationship between two entities is represented by a	A. diamond symbol B. rectangular box C. oval symbol D. line
33	Relationship are	A. uni-directional B. bi-directional C. tri-directional

		C. all of these D. none of these
34	Optional is represented by	A. 0 B. 1 C. 2 D. none of these
35	Question Image	A. mandatory B. optional C. may be many D. none of these
36	----- defines the nature of the relationship	A. cardinality B. entities C. modality D. none of these
37	The number of variables that can be used in printf () function are	A. one B. many C. three D. zero
38	Format specifier starts with the symbol	A. # B. % C. * D. all
39	Which of the following can be used as flag value	A. + B. # C. - D. all
40	Which of the following escape sequence is used for beep	A. /a B. /b C. /t D. /n
41	Escape sequence starts with the character	A. % B. / C. # D. none
42	Which of the following is a valid format specifier	A. %10d B. %7.2f C. %-7f D. all
43	The function clrscr () is defined in	A. stdio.h B. math.h C. conio.h D. graphic.h
44	The output of the statement print ("%2f", 11.4519), is	A. 11.4519 B. 11.45 C. 11.51 D. 11
45	In 3NF which form of dependency is removed ?	A. functional B. non-functional C. associative D. transitive
46	In 3NF, a non key attribute must not depend on a	A. non key attribute B. key attribute C. composite key D. sort key
47	In 2NF, which form of dependency is removed ?	A. associative B. transitive C. partial D. functional
48	----- is created when two different names are used for the same information	A. synonyms B. homonyms C. mutually exclusive data D. redundant information
49	----- is a constraint on primary values that states that no attribute of a primary key should contain nulls	A. referential integrity B. entity integrity C. normalization D. acronyms
50	Database integrity refers to the	A. correctness of data B. consistency of data C. both a and b D. none of these
		A. database integrity

51	----- is the process of converting complex data structures into simple and stable data structures	B. homonyms C. normalization D. mutually exclusive data
52	Storing the same information in two different ways or forms is called	A. database integrity B. redundant information C. homonyms D. mutually exclusive data
53	The value of expression in switch statement must be type of	A. int B. char C. float D. both a and b
54	The program structure that executes program statements in order is	A. selection B. sequence C. repetition D. iteration
55	Which of the following is a decision making statement	A. break B. getch () C. if D. all
56	The operator that is used in decision making is	A. increment operator B. decrement operator C. condition operator D. none
57	We can make two way decisions with the help of	A. if B. nested C. if-else D. all
58	The type of expression $x > y$ is	A. arithmetic B. logical C. relational D. conditional
59	The conditional part of if statement consists of expression	A. arithmetic B. logical expression C. relational D. both b and c
60	A database consists of various components called the	A. tool B. properties C. entities D. object
61	Which of the following object of database is used to retrieve data from database ?	A. queries B. forms C. parts D. tables
62	The output of a query is in the form of a	A. table B. form C. report D. tables
63	Which of the following object is used to retrieve data from database and present in a formatted way ?	A. report B. form C. table D. query
64	Microsoft Access saves the database with extension	A. mdb B. msdb C. madb D. none of them
65	A record is a complete set of ----- field	A. distinct B. related C. designed D. all of them
66	In Access, the structure of a table is created in ----- view	A. design view B. data sheet view C. a and b D. none of them
67	Which of the following is not a data type ?	A. text B. number C. picture D. date/time
68	The instruction that is used to execute a statement or set of statements is	A. while B. for C. do-while D. all

69	The loop statements in a language are	A. 2 B. 3 C. 4 D. 5
70	How many times the instruction in the body of following loop will execute for (x = 1; x < 5; x++)	A. 3 B. 4 C. 5 D. 6
71	The set of statement that executes repeatedly due to loop statement is called	A. code of loop B. body of loop C. loop structure D. all
72	The statement that is used for an	A. while B. all C. for D. goto
73	Go to statement can not work properly without	A. condition B. operator C. label D. none
74	A label is meaningful only for	A. for B. while C. goto D. all
75	The table columns describe the ?	A. data type B. actual data C. unique name D. all
76	A table with five fields has a degree of	A. 5 B. 2 C. 10 D. none
77	A record is a ----- in table	A. row B. field C. table D. data
78	The name cannot exceed characters in length	A. 64 B. 50 C. 56 D. 70
79	Add new record to the table in datasheet by typing data beside the	A. * B. ! C. @ D. =
80	To select all records that begin with letters A through G	A. <="G" B. Like "G" C. < A D. > A
81	All numbers greater than 0 and less than 100	A. < 0 and > = 100 B. > 0 and < = 100 C. < > 100 D. > = 1
82	If for each entity in B there is only one related entity in A then the relationship between the entities is	A. One to one B. One to many C. Many to many D. None
83	Formal arguments are also called	A. Actual arguments B. Dummy arguments C. Original D. Referenced arguments
84	In C program two functions can have	A. Same name B. Same parameters C. Same name & parameters D. Same name but different parameters
85	The name of actual and formal parameters	A. May or may not be same B. Must be same C. Must be different D. Must be in lowercase
86	Which of the following looks for the prototypes of functions used in a program	A. Linker B. Loader C. Compiler D. Pre-processor

87	Which of the following is true about a function call	<p>A. Stop the execution of the program</p> <p>B. Transfer control to the called function</p> <p>C. Transfer control to the main function</p> <p>D. Resumes the execution of the program</p>
88	Function prototypes for built-in functions are specified in	<p>A. Source files</p> <p>B. Header files</p> <p>C. Object files</p> <p>D. Image files</p>
89	% f is used for	<p>A. Double</p> <p>B. Float</p> <p>C. Integer</p> <p>D. Short</p>
90	Which of the following statement about the Auto Form Wizard is not true	<p>A. The Auto Form Wizard is the fastest & easiest way to create a form in Ms-Access</p> <p>B. The Auto Form Wizard can only create five types of forms</p> <p>C. Forms created with the Auto Form Wizard usually came out looking sharp and professional & don't require any further clean up work</p> <p>D. The Auto Form Wizard can only create forms based on a single table or query</p>
91	Which of the following statement is not true	<p>A. The field list displays all the fields from a form's underlying table or query</p> <p>B. Click the field list button on the toolbar to display the field list</p> <p>C. You can add fields to a form by dragging them from the field list onto the form</p> <p>D. The field list displays all the fields from every table in a database</p>
92	A calculated field ,,,,,,(select all that apply)	<p>A.is a bound control</p> <p>B.is a control that contains an expression</p> <p>C.can perform calculations on field's values</p> <p>D.can perform calculations on explicit values</p>
93	Which of the following set (s) of tables would benefit from a sub form	<p>A. A customer table and the customer order table</p> <p>B. A customer table and product table</p> <p>C. A customer table and foreign currency table</p> <p>D. A customer table and a customer contact table</p>
94	An array subscript should be	<p>A. Int</p> <p>B. Float</p> <p>C. Double</p> <p>D. An array</p>
95	On successfully closing a file the f close () returns	<p>A. Null</p> <p>B. 0</p> <p>C. 1</p> <p>D. File pointer</p>
96	Which of the following mode open only an existing file for both reading and writing	<p>A. "W"</p> <p>B. "W+"</p> <p>C. "r+"</p> <p>D. "a+"</p>
97	_____ function is used to copy a string to an array of characters	<p>A. fputs()</p> <p>B. strcpy</p> <p>C. fgets</p> <p>D. gets()</p>
98	Which of the following work with files	<p>A. fsanf()</p> <p>B. fprintf()</p> <p>C. printf()</p> <p>D. Both a and b</p>
99	Which of the following function is used to read a string from a file	<p>A. puts()</p> <p>B. fgetc()</p> <p>C. fputs()</p> <p>D. fgets()</p>

100	A _____ stream is a sequence of characters	A. Binary B. Text C. Both a and b D. None of these
101	How can you view a report's sorting & grouping options	A. Select format ^{____}> sorting & grouping from menu B. By double clicking report selector box in the upper left corner of the report C. Select file > ^{____}> page setup from the menu and click the sorting and grouping tab D. Click the sorting and grouping button on the toolbar
102	Forms are designed for	A. Input data B. Manipulated data C. Accepting change D. All of them
103	A form that contains the sub form is called _____	A. Form B. Main form C. Report D. None of them
104	Information including the table name field names and data types is stored in	A. Data dictionary B. Table C. Fields D. None
105	A request for information from a database in database terminology is called	A. Report B. Letter C. Table D. Query
106	A printed data or information in the database is called	A. Entity B. Report C. Query D. Screen
107	A collection of data that include name address phone number etc of a person	A. Byte B. Record C. Character D. Field
108	Data is a combination of	A. Fact & figure B. Constant C. Numbers D. Special characters
109	Ms.Access is an example of	A. Simple database B. Flat file database C. Relational database D. All of above
110	Which of the following is not an example of high-level language	A. Fortan B. Basic C. Assembly D. C
111	Which of the following is the fundamental language of the computer	A. C B. Unix C. Dos D. Machine language
112	The machine language instructions are written in _____	A. Keyboard B. Binary code C. C D. None of them
113	Assembly language is also called _____ language	A. Symbolic B. High-level C. Low-level D. intermediate-level
114	Assembly language is usually used for _____ writing	A. System software B. Application program C. Firmware D. A and C
115	The _____ errors in a program are most difficult to locate and remove	A. Logical B. Syntax C. Grammatical D. Spelling

116	Errors in a computer program are also called _____	A. Mistakes B. Bugs C. Syntax D. Wrongs
117	DBMS stands for	A. Database management system B. Database mechanism system C. Database manipulating system D. Database;Microsoft system;
118	How many types of data	A. 2 B. 3 C. 4 D. 5
119	A primary key that consists of more than one attribute is called a	A. Foreign key B. Composite key C. Multi-valued key D. Global key
120	A category of data or information that describes an entity is called	A. Attribute B. Data item C. Record D. Tuple
121	An attribute that uniquely identify each row in a relation is called	A. Column B. Foreign C. Primary key D. Duplicate key
122	Which of the following is not a good primary key	A. Social security number B. Order number C. Zip code D. STD ID number
123	How many primary keys can a table have	A. One B. At least one but not more than two C. Between 1-5 D. No limit
124	DBA Stands for	A. Database application B. Database accumulator C. Database administer D. Database administration
125	Variables are created in	A. Ram B. Rom C. Hard disk D. Cache
126	Which of the following is the valid character constant	A. A B. "B" C. "6" D. =
127	Which of the following data type offers the highest precisions	A. Float B. Long int C. Long double D. Unsigned long unit
128	The symbol '=' represents	A. Comparison operator B. Assignment operator C. Equal to operator D. None of these
129	Which of the following operators has lowest precedence	A. ! B. + C. = D. =
130	Relational operators are used to	A. Establish a relationship among variables B. Compare two values C. Construct compound condition D. Performs arithmetic operators
131	The logical not operator denoted by is	A. Ternary operator B. Unary operator C. a=a+b D. b=b+a
132	a+=b is equivalent to	A. a+=b B. a=+b C. a=a+b D. b=b+a
		A. Primary key B. Foreign key C. Composite key D. Multi-valued key

133	A candidate key is	<p>B. The primary key selected to be the key of relation</p> <p>C. A group attribute that can be the primary key</p> <p>D. All of them</p>
134	A disadvantages of partitioning is	<p>A. Simplicity</p> <p>B. Extra space and update time</p> <p>C. Both a & b</p> <p>D. None of them</p>
135	A factor consider when choosing a file organization is	<p>A. Fast data retrieval</p> <p>B. Security</p> <p>C. Efficient storage</p> <p>D. All of them</p>
136	Organizing the database in computer disk storage is done in	<p>A. Logical design</p> <p>B. Physical design</p> <p>C. Analysis</p> <p>D. Implementation</p>
137	Which of the following are basic data distribution strategies	<p>A. Centralized</p> <p>B. Partitioned</p> <p>C. Replication</p> <p>D. All of them</p>
138	Which of the following is used to define objects and describe their characteristics	<p>A. Attributes</p> <p>B. Relationship</p> <p>C. Both a & b</p> <p>D. None of them</p>
139	In an E-R diagram a rectangle represents	<p>A. Entity</p> <p>B. Artttribute</p> <p>C. Record</p> <p>D. None of them</p>
140	The function getche() is defined in	<p>A. stdio.h</p> <p>B. string.h</p> <p>C. math.h</p> <p>D. conio.h</p>
141	The escape sequence for backspace is	<p>A. \</p> <p>B. \b</p> <p>C. \\</p> <p>D. \t</p>
142	The format specifier % d is used for	<p>A. Int</p> <p>B. Unsigned short</p> <p>C. Unsigned float</p> <p>D. Unsigned long int</p>
143	The function used to input data in C program is	<p>A. Print ()</p> <p>B. Scanf ()</p> <p>C. Sqrt ()</p> <p>D. Main ()</p>
144	The header file that contains input and output functions is	<p>A. Math.h</p> <p>B. Graphic.h</p> <p>C. Stdio.h</p> <p>D. Conio.h</p>
145	The function used to show the output on screen is	<p>A. Printf()</p> <p>B. Scanf()</p> <p>C. Sqrt()</p> <p>D. Main()</p>
146	Print() function can show	<p>A. Text</p> <p>B. Value of variable</p> <p>C. Constants</p> <p>D. All</p>
147	The number of variables that can be used in printf () function are	<p>A. One</p> <p>B. Many</p> <p>C. Three</p> <p>D. Zero</p>
148	An advantages of partitioning is	<p>A. Efficiency</p> <p>B. Extra space and update time</p> <p>C. Both a & b</p> <p>D. None of them</p>
149	To be in 2NF every non key attribute must depend on	<p>A. Key</p> <p>B. All parts of the key</p> <p>C. Composite key</p> <p>D. Both a and b</p>
150	_____is a functional dependency in a relation between two or more non-key attributes	<p>A. Transitive dependency</p> <p>B. Partial dependency</p> <p>C. Repeating groups</p>

		D. None of these
151	In 3NF a non-key attribute must not depend on a	A. Non-key attribute B. Key attribute C. Composite key D. Sort key
152	When we make any modification in a relation it is called	A. Insertion anomaly B. Deletion anomaly C. Modification anomaly D. Both a and b
153	_____ is created when the same name is used for two different attributes	A. Synonyms B. Homonyms C. Redundant information D. Mutually exclusive data
154	Database integrity refers to the	A. Correctness of data B. Consistency of data C. Both a and b D. None of these
155	A key in a relation	A. May not functionally determine any attribute in the row B. Functionally determine only one attribute in the row C. Functionally determine at least one attribute in the row D. Functionally determine all the attribute in the row
156	From the following which is called control statement	A. If B. If-else C. Else-if D. All of the above
157	Switch statement must use the keyword	A. Case B. Default C. Break D. All of the above
158	From the following statement which is the control statement	A. If B. Else if C. Switch D. All of the above
159	Key is used in	A. If statement B. Else if statement C. Switch statement D. All of the above
160	From the followings which is different	A. If B. Else-if C. Function D. Switch
161	Which is not possible	A. Nesting if statement B. Loop in the body of statement C. If statement in the body of loop D. None of above
162	break keyword is used in	A. If statement B. If-use C. Else-if D. None of the above
163	Each record consists of a	A. Rows B. Columns C. Both a and b D. None of these
164	A _____ contains an object that stores VBA code	A. Macro B. Module C. Forms D. Reports
165	A _____ is used to perform the same sequence of steps or automating tasks repeatedly	A. Macro B. Module C. Forms D. Reports
166	_____ contains icon button that are shortcuts to the commands in the menu	A. Menu bar B. Tool bars C. Scroll bar D. Status bar
167	_____ are used to move around the window if its contents do not fit on screen	A. menu bar B. Tool bar C. Scroll bar

		D. Status bar
168	Redundancy means	A. Duplication B. No-duplication C. Standards D. Microsoft office integration
169	_____ are used to enter data into databases	A. Queries B. Reports C. Tables D. Forms
170	Which of the following statement can be used in C	A. While B. For C. Do while D. All
171	The loop structure that executes at least ones is	A. While B. Do-while C. For D. All
172	The loop structure in which condition comes after the body of the loop is	A. While B. Do-while C. For D. All
173	Repetition structure is used to execute a statement or set of statement	A. Once B. More than one time C. Skip statement D. All
174	A loop whose execute never ends is called	A. Nested loop B. Forever loop C. Infinite loop D. Counter loop
175	A loop within another loop is called	A. Inner loop B. Nested loop C. Counter loop D. None
176	The keyword used to come out of the body of loop is	A. Exit B. Continue C. Break D. Ebd
177	The keyword used to transfer control from the body of loop to the start of loop is	A. Exit B. Continue C. Break D. End
178	A ----- Auto form displays one record at a time	A. tabular B. Columnar C. datasheet D. justified
179	A program used for producing an on-screen or printed documents from the database is known as:	A. Security B. Report generator C. Query D. SQL prompt
180	The table in which is found is called Dependent Table.	A. Foreign Key B. Control key C. Primary key D. Sort Key
181	Any thing about which you store information in the database is known as:	A. File B. Inherent C. Entity D. Relation
182	The primary objective of the Entity-Relationship diagram is to represent:	A. Entities B. Relationship C. Association D. All of these
183	A constraint that no primary key should contain nulls is known as:	A. Normalization B. Dependence C. Entity integrity D. SQL query
184	Query is a statement in the SQ that extracts specific:	A. Information B. File C. Application D. Wizard
		A. 1024 B. 64 000

185	How many characters Memo can store?	 B. 2,000 C. 16 D. 4
186	Which one displays the result of a query?	A. File B. Field C. Access D. Reports
187	The foreign key is found in:	A. Parent table B. Dependent table C. Pivot table D. Index table
188	Which is related to modality?	A. Optional B. Mandatory C. Unidirectional D. Both A & B
189	In relational database a table is also called a:	A. Tuple B. Relation C. File D. Schema
190	Microsoft Access saves the database file with the extension:	A. .mdb B. .msdb C. .madb D. None of these
191	How many types of relationship are there?	A. 2 B. 3 C. 4 D. 5
192	A form that contains the sub-form is called:	A. Form B. Main form C. Report D. None of these
193	Which data type offers the highest precision?	A. Float B. Long int C. Long double D. Unsigned long int
194	The symbol '=' represents:	A. Comparison operator B. Assignment operator C. Equal to operator D. None of these
195	Format specifier is started with:	A. '?' B. '&' C. '%' D. None
196	Which escape sequence can be used to begin a new line in C-language?	A. \a B. <div>\b</div> C. <div>\n</div> D. \n
197	The last statement of each case in switch must be a:	A. Default statement B. If-else statement C. Break statement D. Else statement
198	Which is not a logical operator?	A. B. ! C. != D. &&
199	Which loop statement executes the body of loop at least once?	A. do-while B. While C. For D. None of these
200	Which is a loop statement?	A. If B. If-else C. Switch D. None of these
201	The functions that are defined by programmer are called:	A. User-defined B. Subprograms C. Subroutines D. Built-in functions
202	An attribute is also known as:	A. Table B. Field C. Row D. Relation

203	Which key does not have uniqueness property?	A. Candidate B. Foreign key C. Primary key D. Secondary key
204	Every relation must have:	A. Primary key B. Candidate key C. Secondary key D. All of these
205	Object used to retrieve data from database is called:	A. Forms B. Repons C. Queries D. Tables
206	In a relational database a single piece of information is called:	A. Table B. Record C. Entity D. Attribute
207	Which is used to display yes/no values:	A. Check box B. Option buttons C. Both a & b D. None of these
208	Types of translators are:	A. Compiler B. Interpreter C. Assembler D. All of these
209	Data type int contain bytes:	A. 10 B. 4 C. 2 D. 1
210	Getch stands for:	A. Go character B. Give character C. Get character D. All of these
211	A \t is used for:	A. New line B. Tab C. Back space D. None of these
212	Conditional operator is alternative of:	A. If B. If-else C. Nested if-else D. None of these
213	Conditional operator is also called:	A. True operator B. Ternary-operator C. Truth operator D. All of these
214	In a loop semicolon is placed at the end of condition:	A. While B. For C. Do-while D. None of these
215	Local variables are also called:	A. Automatic variables B. Global variables C. Grid Variables D. None of these
216	A file is stored in:	A. RAM B. ROM C. Cache D. Hard disk
217	The columns of a table correspond to:	A. Table B. Record C. Field D. Cell
218	Which are basic data distribution strategies?	A. Centralized B. Partitioned C. Replication D. All
219	In relational database, table is also called:	A. Table B. Relation C. File D. Schema
220	Which object of database is used to retrieve data from database?	A. Queries B. Forms C. Reports D. Tables

221	How many table views are available in MS Access?	A. 1 B. 3 C. 2 D. 4
222	Which can be previewed on the screen before printing?	A. Report B. Form C. Sub-form D. None
223	C was developed in the year:	A. 1970 B. 1972 C. 1976 D. 1995
224	The number of bytes used by 'int' data type in C are:	A. 2 B. 8 C. 12 D. 16
225	Which format specific is used for integer data type?	A. %d B. %S C. %C D. %f
226	Which is a possible value of flag?	A. - B. + C. Space D. All of these
227	The case block ends with:	A. End Select B. End case C. Break D. Case else
228	Another term for a conditional operator is:	A. Ternary B. Binary C. Byte D. Iteration
229	How many types of loop structure are available in C?	A. 4 B. 3 C. 2 D. 6
230	The scope of a variable refers to its:	A. Length B. Name C. Accessibility D. Data type
231	Any array script should be:	A. Int B. Float C. Double D. Array
232	A collection of raw facts and figures is called:	A. Data B. Information C. Operation D. Processing
233	Create command is used to create:	A. Table B. View C. Report D. Query
234	Which is used to associate entities with one another?	A. Entity B. Attributes C. Identifier D. Relationship
235	The attribute on the left hand of the arrow in a functional dependency is:	A. Candidate Key B. Determinant C. Foreign Key D. Primary Key
236	Microsoft access saves the database with the extension:	A. mdb B. msdb C. madb D. txt
237	Which is needed to add, edit or delete records from a table?	A. Record view B. Datasheet view C. Design view D. Edit view
238	Computer programs are also known as:	A. Software B. Procedure C. Hardware

		D. Algorithm
239	a + = b is equivalent to:	A. b + = a B. a = + b C. a = a + b D. b = b + a
240	The number of bytes used by double data type in C is:	A. 2 (8) 8 B. 12 C. 6
241	Which format specifier is used for integer data type?	A. %d B. %c C. %s D. %f
242	Conditional operator takes:	A. Three operands B. Two operands C. One operands D. Many operands
243	Which programming structure makes a comparison?	A. Relation B. Decision C. Sequence D. Repetition
244	One execution of a loop is knows as a (n):	A. Cycle B. Duration C. Iteration D. Test
245	Insert command is used to insert:	A. A new table B. A new record C. A view D. Dependencies
246	Dummy question	A. 1 B. 2 C. 3 D. 4
247	Dummy question 2	A. a B. 2 C. b D. f
248	A collection of raw facts and figures is called:	A. Data B. Information C. Processing D. Knowledge
249	The manipulated and processed data is called:	A. Object B. Information C. Knowledge D. Data
250	Manipulated of data to achieve required objectives and result is called:	A. Data processing B. Operation C. a and b D. None
251	Which of the following activities involved in data processing?	A. Data capturing B. Data manipulation C. Managing output D. All
252	The process of arranging data in a logical sequence is called:	A. Sorting B. Summerizing C. Data capturing D. Classifying
253	Which of the following operations can be performed on data after the data has been captured and manipulated?	A. Storage and retrival B. Communication C. Managing output result D. None
254	A person's account, car and house are considered:	A. Object B. Table C. Record D. Field
255	A collection of related fields is called:	A. Character B. Record C. Database D. file
256	All records in a file have the same:	A. Contents B. Structure C. Order

		D. Key
257	A collection of data that consists of name ,address and email of a person is called:	A. Byte B. Record C. Character D. Field
258	A record in a database is the information refers to:	A. Person B. Product C. Event D. All
259	Each item of information with in a record is called:	A. File B. Field C. Both a and b D. byte
260	A logical grouping of characters is a:	A. Field B. Record C. File D. All
261	A field is to a record as:	A. Data are to files B. A column is to a row C. Files are to tables D. Attributes are to columns
262	A database containing all students in a class would store basic data of students in:	A. Record B. Field C. Cell D. File
263	A database containing all students in a class would store the information of individual students in:	A. Record B. Field C. Cell D. File
264	Which of the following is also known as data set?	A. Record B. Field C. File D. Module
265	A set of related created and managed by a (DBMS) is called:	A. Field B. Record C. Database D. Module
266	Which of the following is an example of a database?	A. Library management system B. Accounts & inventory system C. College management system D. All
267	Which of the following represents a collection of concepts that are used to describe the structure of a database:	A. Data warehouse B. Data model C. Data structure D. Data type
268	Which of the following type of file require largest processing time?	A. Sequential file B. Random file C. Indexed sequential file D. Direct access file
269	Which of the following may be a temporary file?	A. Master file B. Transaction file C. Back up file D. None
270	SQL is a(n):	A. Unstructured language B. Structured language C. Object oriented language D. Software
271	SQL stands for:	A. Sort Query Language B. Self Query language C. Seek Query language D. Structured Query Language
272	SQL can be used to:	A. Create database structures only B. Query database only C. Modify database data only D. All
273	The type of files from usage point of view include:	A. Master file B. Transaction file C. Backup file D. All
		A. Program file B. Data file

274	The type of files from functional point of view include:	B. Data file C. a and b D. None of these
275	Which file is used to store information that remains constant for a long time?	A. Master file B. Transaction file C. Backup file D. None
276	Which of the following file is used to store additional copy of data?	A. Master file B. Transaction file C. Backup file D. None
277	Which of the following file contains the software instructions?	A. Program file B. Data file C. Both a and b D. None
278	The extension of program file is:	A. .com B. .exe C. Both a and b D. None
279	Which of the following is an image file extension?	A. .tif B. .jpg C. .bmp D. All
280	The extension for a video file is:	A. .avi B. .mpg C. .txt D. a and b
281	Insert command is used to insert:	A. New table B. New record C. View D. Dependences
282	The rows of a relations can be of _____ order.	A. Any B. Same C. Sorted D. Constant
283	The columns of a relations can be of _____ order.	A. Any B. Same C. Sorted D. Constant
284	All the intersection of rows and columns must have:	A. Single value B. Constant value C. Multiple values D. No value
285	Views are also called:	A. Complex tables B. Simple tables C. Virtual tables D. Actual tables
286	The SQL statement to create a view is:	A. CREATE VIEW B. MAKE VIEW C. SELECT VIEW D. INSERT VIEW
287	The views are used :	A. To hide columns B. To hide rows C. To hide complex SQL statements D. All of the above
288	A virtual table that is constructed from other tables is called:	A. Table B. View C. Relation D. Tuple
289	The number of characters in fixed-length field is:	A. Constant B. Variable C. 10 D. 100
290	The number of characters in variable field is:	A. Constant B. Variable C. 10 D. 100
291	CREATE command is used to create:	A. Record B. View C. Report D. Query

292	SQL is used for:	A. Data definition B. Data manipulation C. Data control D. All
293	The columns of a table correspond to:	A. Table B. Record C. Field D. Cell
294	The foreign key is found in:	A. Parent table B. Dependent table C. Pivot table D. Index table
295	A table should have :	A. Primary key B. Secondary key C. Composite key D. Sort key
296	A two-dimensional table of data is called:	A. Group B. Set C. Module D. Relation
297	A table is a two-dimensional structure that consists of:	A. x and y co-ordinates B. Matrix elements C. Rows and columns D. Intersection of data
298	A relation is also known as:	A. Table B. Tuple C. Relationship D. Attributes
299	An attribute is also known as a:	A. Table B. Row C. Relation D. Field
300	A row of a relation is called:	A. Attribute B. Entity C. Tuple D. a and c
301	A person, place, thing or event about which data is kept in the database is called:	A. Attribute B. Field C. Record D. Entity
302	The data or information that describes an entity is called:	A. Attribute B. Data item C. Record D. Tuple
303	Which of the following is NOT a characteristic of relation?	A. Each row is unique B. The order of columns is significant C. The order of rows is insignificant D. Columns are all elemental or atomic
304	An index can be used to :	A. Improve the performance of the database B. Document the structure of the database C. Reduce data dependency for application programs D. All
305	Which of the following are properties of relations?	A. Each attribute has a unique name B. No two rows in a relation are identical C. There are no multivalued attributes in a relation D. All of the above
306	Which of the following keys is not unique:	A. Candidate key B. Foreign key C. Primary key D. Secondary key
307	An entity related to itself in an ERD model refers to :	A. Recursive relationship B. One-to-many relationship C. Many-to-many relationship D. One-to-one relationship
308	In hybrid distribution, what types of fragments are stored at only one site?	A. Critical fragments B. Non-critical fragments

308	In hybrid distribution, what types of fragments are stored at only one site?	C. Critical and non-critical fragments D. Only large fragments
309	A data model is :	A. A logical representation of the structure of the database B. Shown as an entity-relationship diagram C. Transformed into tables and relationships D. All
310	Which of the following is used to describe the characteristics of an object?	A. Attribute B. Relationship C. Cardinality D. Modality
311	Which of the following is used to associate entities with one another?	A. Entity B. Attribute C. Identifier D. Relationship
312	Customers,cars and parts are examples of:	A. Entities B. Attributes C. Cardinals D. Relashionships
313	In an E-R diagram, a rectangle represents:	A. Entity B. Attributes C. Relationship D. None
314	Which of the following is NOT included in the definition of an entity?	A. Person B. Object C. Concept D. Action
315	A person's name, birthday and social security number are examples of:	A. Attributes B. Entities C. Relationships D. Descriptors
316	A technique for physically arranging the records of a file on secondary storage devices is called:	A. Physical pointer B. Retrieval program C. File organization D. Update program
317	A factor to consider when choosing a file organization is:	A. Fast retrieval B. Security C. Efficient storage D. All
318	Which of the following are ingredients of data modeling?	A. Entities B. Attributes C. Relationship D. All
319	The relationship can be:	A. One-to-one B. One-to-many C. Many-to-many D. All
320	An advantage of partitioning is:	A. Efficiency B. Extra space C. Reliabilty D. Accuracy
321	An disadvantage of partitioning is:	A. Complexity B. Extra space and update time C. Inconsistent access speed D. All
322	Organizing the database in computer disk storage is done in:	A. Logical design B. Physical design C. Analysis D. Implimentation
323	Which of the following is basic data distribution strategy?	A. Centralized B. Partitioned C. Replication D. All
324	Which of the following is basic data distribution strategy?	A. Centralized B. Partitioned C. Replication D. All
325	_____ refers to a method of database distribution in which different portions of database reside at different nodes in the network	A. Splitting B. Partitioning C. Replication

	database reside at different nodes in the network.	C. Replication D. Dividing
326	_____ refers to a method of database distribution in which one database contains data that are included in another database.	A. Splitting B. Partitioning C. Replication D. Dividing
327	An index may be created on:	A. Primary key B. Secondary key C. Foreign key D. All
328	Which component of physical database design refers to the consistency of data?	A. Indexes B. Integrity constraint C. File organization D. Data distribution strategy
329	All of the following are components of physical database design EXCEPT:	A. Data volume and usage analysis B. Data distribution strategy C. File organization D. Normalize the relations
330	Which of the following activities are involved in data analysis?	A. Data flow diagram B. Decision Tables C. Decision Trees D. All
331	Which of the following represents the entities?	A. Teacher B. Student C. Aero plane D. All
332	Which form of dependency is removed in 3NF?	A. Functional B. Non-functional C. Associative D. Transitive
333	In relational data base, a table is also called:	A. Tuple B. Relation C. File D. Schema
334	In 3NF, a non-key attribute must not depend on a :	A. Non-key attribute B. Key attribute C. Composite key D. Sort key
335	Different attributes in two different tables having same name are called:	A. Synonym B. Homonym C. Acronym D. Mutually exclusive
336	Every relation should have :	A. Primary key B. Candidate key C. Secondary key D. Mutually exclusiveness
337	The entity integrity rule states that:	A. No primary key attribute can be null B. Each entity must have a primary key C. Primary key must have only one attribute D. None
338	A rule that states each foreign key value must match a primary key value in the other relation is called:	A. Referential integrity constraints B. Key match rule C. Entity key group rule D. Foreign/ primary match rule
339	Two or more attributes with different name but same meaning create a problem:	A. Homonyms B. Synonyms C. Aliases D. Alternate attributes
340	A constraint between two attributes is called:	A. Functional relation B. Attribute dependency C. Functional dependency D. Functional relation constraint
341	The attribute on the left side of the arrow in a functional dependency is called:	A. Candidate key B. Determinant C. Foreign key D. Primary key
342	The goal of normalization is to:	A. Get stable data structure B. Increase number of relation C. Increase redundancy D. Remove constraints

343	A relation is in 2NF if it is in 1NF and all its non-key attributes are:	A. Dependent on part of the primary key B. Dependent on the entire primary key C. Independent on the primary key D. Independent of any other relation
344	Which form of dependency is removed in 2NF?	A. Functional B. Transitive C. Associative D. Partial
345	Which of the following are anomalies that can be caused by redundancy in tables?	A. Insertion B. Deletion C. Modification D. All
346	A functional dependency between two or more non-key attributes is called:	A. Partial functional dependency B. Partial non-key dependency C. Transitive dependency D. None
347	Which of the following anomalies result from a transitive dependency ?	A. Insertion B. Modification C. Deletion D. All
348	A relation is in third normal form if it is in second normal form and:	A. Dependent on part of the key B. Dependent on the whole key C. Independent of the key D. Has no transitive dependencies
349	The 1NF describes the tabular format in which:	A. All the key attributes are defined B. No repeating groups in the table C. All attributes are dependent on primary key D. All
350	A data base consists of various components called:	A. Tools B. Properties C. Entities D. Objects
351	Which of the following database object is used to retrieve data form database ?	A. Queries B. Forms C. Reports D. Tables
352	The output of the query is in the form of a :	A. Table B. Form C. Report D. Query
353	Which object is used to retrieve data from database and present in formatted way?	A. Report B. Form C. Table D. Query
354	Microsoft access saves the database with the extension:	A. .mdb B. .msdb C. .madb D. .mxls
355	A report is a complete set of _____ field:	A. Distinct B. Related C. Designed D. All
356	An MS Access table contains:	A. Fields B. Records C. Characters D. All
357	Which option in MS Access is used to create a new database form scratch?	A. Access template B. Blank database C. Existing database D. New folder
358	Which is displayed in title bar of an open database?	A. Program name B. Database name C. Object type D. All of these
359	Which of the following is NOT a database object?	A. Table B. Query C. Report D. MS word

360	Which object is used to store data and define structure for the data in a database?	A. Table B. Macro C. Form D. Query
361	Which of the following are objects in an MS Access database?	A. Tables, forms, queries, and reports B. Database, Datasheet, And forms views C. Folders and Tools D. All of these
362	The columns of a table correspond to:	A. Table B. Record C. Field D. Cell
363	The maximum numbers of tables in a database can be:	A. 1 B. 2 C. 3 D. Any
364	An example of a query is:	A. Selection of all records that match a set of criteria. B. Importing of a spreadsheet file into the database C. Search for a specific record D. Both a and c are correct
365	A report may be based on a :	A. Table B. Query C. Both a and b D. None
366	Each separate piece of information stored in a record is called:	A. Table B. Record C. Field D. Query
367	Each set of related items in a table is called:	A. Table B. Record C. Field D. Query
368	The smallest meaningful unit of data in a database is called:	A. Byte B. Record C. Character D. Field
369	A collection of data that consists of name, address and email of a person is called:	A. Byte B. Record C. Character D. Field
370	Which of the following is the correct association?	A. File = column B. Record = row C. Field = row D. Record = table
371	The data in tables is entered in:	A. Design view B. Normal view C. Datasheet view D. Layout view
372	How many types of relationship can be used?	A. 2 B. 3 C. 4 D. 5
373	In a relational database, a single piece of information is called:	A. Table B. Record C. Entity D. Attribute
374	Which rule states that a record form a table cannot be deleted if its associated record exists in related table?	A. Referential integrity B. Entity relationship C. Normalization D. All
375	How many table views are available in Microsoft Access?	A. 4 B. 3 C. 2 D. 1
376	Which criteria can be used to find four-character name that starts with H?	A. H*4 B. H?4 C. H??? D. H####

377	Which button of Find and Replace dialog box is clicked to start the search process?	A. Find B. Find Next C. Search D. Next
378	Which key is used to move from field to field in Table window of Datasheet view?	A. Tab B. Esc C. Enter D. Spacebar
379	Which of the following view in MS Access is used to define the structure of table?	A. Datasheet B. QBE C. Relationship D. Design
380	Which of the following is NOT displayed in Design view?	A. The data type of each field B. The components of each field C. The properties of the selected field D. The field names
381	Which of the following view in MS Access looks like an electronic spreadsheet?	A. Datasheet B. QBE C. Relationship D. Design
382	Which view is used to add, edit or delete records from a table?	A. Record view B. Datasheet view C. Design view D. Edit view
383	Which of the following menus is used to switch between table views?	A. Edit B. File C. Tools D. View
384	Which of the following methods are used for creating a table in Access?	A. Creating table in Design view B. Creating table by using wizard C. Creating table by entering data D. All
385	What symbol indicates that you are editing a record?	A. Pencil B. Black arrow C. Key D. Asterisk
386	Every field in a table has:	A. Field name and data type B. field name and a field number C. Field number and a data type D. Field name, field number, and data type
387	A field's width indicates:	A. Number of characters it can contain B. Number of inches it takes on the screen C. Number of pixels it takes on screen D. Number of characters visible to the users
388	Which data type is the default type?	A. Memo B. Number C. Text D. Autonumber
389	What is the default field size of a text data type field?	A. 2 B. 5 C. 20 D. 50
390	Which of the following is logical data type in MS Access?	A. Boolean B. Yes/No C. True/false D. Log
391	Which data type can be used to define a field that consists of a maximum of 255 numbers or letters?	A. Text B. Memo C. Number D. Currency
392	Which data type can be used to define a field that consists on only numbers to be used in calculations?	A. Text B. Memo C. Number D. Date/Time
393	Which data type can be used to define a field that is also formatted for data entry and display?	A. Text and Memo B. Number and Currency C. Date/Time D. All
		A. Hyperlink

394	Which data type can be used to define a field that contains data content such as a chart, picture, or graphic object?	B. OLE object C. Memo D. Auto number
395	Which data type can be used to create a sequential number for each record that can also serve as primary key?	A. Number B. Memo C. AutoNumber D. Currency
396	Which data type is used to define a field that contains Web address as its context?	A. Hyperlink B. OLE object C. Lookup Wizard D. AutoNumber
397	Which of the following can be found in an MS Access database file?	A. Tables B. Forms C. Queries D. All
398	Each of the following is an example of a valid Access data type EXCEPT:	A. Memo B. Currency C. Name D. Text
399	What is the term for a for a characteristic or attribute of an object that determines how the object looks and behaves?	A. Color B. Property C. Size D. Orientation
400	Field properties determine:	A. Field size B. Input mask C. Default value D. All
401	Field properties are shown in :	A. Design view B. Datasheet view C. A and B D. None
402	Which of the following is suitable for an input mask?	A. Social security number B. Telephone number C. A date D. All
403	Which of the following is NOT suitable for an input mask?	A. Street address B. Telephone number C. A date D. Social security number
404	Why are validation rules used in a database?	A. Ensure correct data is entered B. To avoid typing errors C. Both A and B D. Neither A nor B
405	Which field type can be indexed?	A. Memo B. Number C. Hyperlink D. OLE
406	Which does not improve data entry?	A. Input masks B. Validation rules C. Indexing D. Required fields
407	Which format property displays text in uppercase?	A. Greater than sign B. Less than sign C. TEXT D. Upper
408	Which of the following is New record button in MS Access?	A. * B. \$ C. # D.
409	Find and Replace command is found in:	A. Edit menu B. File menu C. Tool D. View menu
410	Forms are designed to:	A. Input data B. Manipulate data C. Accept change D. All
411	A form that contains a sub form is called:	A. Form B. Main form C. Report D. None

412	You can drag _____ bar to move property sheet window around screen:	A. Title bar B. Status bar C. Scroll bar D. All
413	How many are basic layouts of forms in Microsoft Access?	A. 2 B. 3 C. 4 D. 5
414	The forms are _____ end of our database in Microsoft Access.	A. Back B. Front C. Both A and B D. None
415	Which Auto form displays one record at a time ?	A. Tabular B. Columnar C. Datasheet D. Justified
416	A report that provides a column for each field of the records in rows under the column header is know as:	A. Tabular report B. Columnar report C. Datasheet report D. Justified report
417	Which of the following is used to retrieve data from database and represent it to the user in a formatted way?	A. Report B. Form C. Query D. Table
418	How many are layout of report?	A. 2 B. 3 C. 4 D. 5
419	What is the function of a Form in MS Access?	A. View one record at a time B. Add new data C. Change existing data D. All
420	Which view can be used to enter or modify data in the underlying table?	A. Form view B. Table design view C. Form design view D. New Form view
421	Which of the following is used to create and modify a form?	A. Form view B. Table design view C. Form design view D. New Form view
422	A subform can be created using:	A. Drag and drop method B. The form Wizard C. Subform wizard D. All
423	A form with in another form is called:	A. Sub-form B. Main form C. Multi-form D. None
424	All of the following are form layouts EXCEPT?	A. Tabular B. Columnar C. Jutified D. Relationship
425	How many form layouts are provided by MS Access?	A. 2 B. 4 C. 6 D. 8
426	When displaying a sub-form with in a main form, which form is based on the primary table?	A. Neither main form nor sub-form B. The sub-form C. The main form D. Both the main form and the sub-form
427	A report may be based on:	A. A table but not a query B. A query but a table C. Both a table and a query D. None of these
428	Which of the following is NOT a function of report?	A. Display data B. Edit data C. Output of database application D. Print data
429	A single report can display data from:	A. One table B. Many tables

429	A single report can display data from:	C. Both A and B D. None of these
430	Which type of report lists every field for every record in a single column?	A. Tabular report B. Summary report C. Columnar reports D. All of these
431	Which of the following options is used for editing forms in MS Access?	A. Grid lines B. Snap to grid C. Resizing objects D. All
432	Which of the following is used to display a list of items in forms?	A. List box B. Combo box C. Both a and b D. None of these
433	Which of the following is used to display yes/no values?	A. Checkbox B. Option button C. Both a and b D. None of these
434	A well-organized set of instructions given to the computer is called:	A. Hardware B. Software C. Bug D. None
435	Computer programs are also known as:	A. Hardware B. Software C. Firmware D. None
436	C was developed in the year:	A. 1970 B. 1972 C. 1976 D. 1995
437	B was developed in the year:	A. 1969-70 B. 1965-1975 C. 1972-1988 D. 1992-1996
438	Who developed C?	A. Von-Neumann B. Al-Khwarizmi C. Charles Babbage D. Dennis Ritchie
439	C was designed to write programs for:	A. Windows operating system B. Solaris Operating system C. Unix Operating system D. OS/2 Operating system
440	C is a:	A. High Level language B. Low-level language C. Assembly language D. Machine language
441	Which of the following languages provided the basis for the development of C?	A. C++ B. B C. JAVA D. Pascal
442	Turbo C++ can compile:	A. C programs only B. C and C++ programs C. Turbo C Programs only D. Turbo C++ programs only
443	An IDE typically consists of:	A. Text editor B. Compiler C. Debugger D. All
444	An IDE stands for:	A. Input data error B. Input Desktop environment C. Integrated Development Environment D. Internal Disk error
445	The programmer usually enters source code into a computer using:	A. Compiler B. Text editor C. Debugger D. Linker

A. Editing
B. Text editor
C. Debugger
D. Linker

446 Which is the correct sequence of steps for creating and executing C program?

font-family: arial, sans-serif; font-size: small;">>→ compiling>→ linking>→ Executing
B. >Compiling>Editing→ saving→ Executing>→ linking
C. Editing<span style="color: rgb(34,

34, 34); font-family: arial, sans-serif; font-size: small;">>→ Executing
>→ Compiling>→ Linking
D. Linking→Executing→ saving→ Editing→ compiling

447 Which of the following key is used to save a file?
A. F2
B. F3
C. F5
D. F9

448 The extension of C source program is:
A. .h
B. .c
C. .obj
D. .exe

449 The process of changing of source code into object code is called:
A. Compiling
B. Executing
C. Linking
D. Saving

450 The extension of object file is:
A. .c
B. .txt
C. .obj
D. .h

451 Which file contains the program after translation into machine language?
A. Object file
B. Exe file
C. Source file
D. None

452 Which of the following key is used to compile a program:
A. ALT+F9
B. CTRL+F9
C. CTRL+S
D. ALT+F5

453 The output of a compiler is called:
A. Library code
B. Source code
C. Linked code
D. Object code

A. ALT+F9

454	Which of the following key is used to to load a program in memory to run?	B. CTRL+F9 C. CTRL+S D. ALT+F5
455	The process of linking library files with object code is known as:	A. Compiling B. Executing C. Linking D. Saving
456	The processing of running an executable file is known as:	A. Debugging B. Compiling C. Executing D. Saving
457	The ".exe" file is produced by:	A. Linker B. Loader C. Compiler D. Interpreter
458	Compiled programs typically execute faster because:	A. Compiled programs are read and executed a line at a time B. Compiled programs are already in a machine-readable form. C. Compiled programs do not require any data D. None of these
459	The basic structure of C program consists of:	A. Preprocessor Directive B. Main () function C. Program body D. All
460	Preprocessor directives are command for:	A. Microprocessor B. Language processor C. C Preprocessor D. Loader
461	The expression in define directive:	A. Can only be changed at the end of the program B. Cannot be changed but can be redefined C. Cannot be assigned a value D. Cannot be changed
462	Header file in C contain:	A. Compiler commands B. Library functions C. Header information of C programs D. Operations for files
463	Which of the following is a compiler directive?	A. #include<stdio.h>; B. Using namespace std; C. main() D. All
464	Which of the following symbol is used to denote a pre-processor statement?	A. % B. \$ C. # D. @
465	Which of the following syntax is used to include header file?	A. #include<name of header file>; B. #include" name of header file" C. Both a or b D. None of these
466	The expression may be:	A. Contant B. Arithmetic expression C. String D. All
467	stdio.h is part of:	A. Comment section B. C standard library C. Compiler D. Main function
468	Stdio stands for:	A. Standard input output B. Symbolicinput output C. Simpleinput output D. Stringinput output
469	conio stands for :	A. Character input output B. Consoleinput output C. Commoninput output D. Complexinput output
470	The name of header file is written between:	A. [] B. () C. < >; D. < > < >;

471	The extension of the header file is:	A. .CPP B. txt C. .c D. .h
472	Which header file contains information about standard input/output function?	A. stdio.h B. math.h C. Both A and B D. None
473	Which of the following header file contains information about common mathematical functions?	A. stdio.h B. math.h C. conio.h D. None of these
474	A memory location with some data can be changed is called:	A. Constant B. Variable C. Named constant D. Address
475	Variable are created in:	A. RAM B. ROM C. Hard Disk D. USB
476	A memory location with some data that cannot be changed is called:	A. Constant B. Variable C. Keyword D. Address
477	Which of the following is a valid character constant?	A. a B. "Hello" C. '6' D. =
478	Which of the following operations has lowest precedence?	A. ! B. + C. = D. ==
479	C is strongly typed language, it means that:	A. Every program must be compiled before execution B. Every variable must be declared before it is being used C. The variable declaration also defines the variable D. Sufficient data types are available to manipulate each type of data
480	a+=b is equivalent to:	A. b+=a B. a=+b C. a=a+b D. b=b+a
481	Which is true about a variable?	A. The name and data value can both change B. The name can change, but the data value cannot C. The name cannot change, but the data value can D. The name and the data value both cannot changed
482	Which is NOT a rule for naming variables?	A. Use a descriptive name for the value B. Start the name of variable with a letter C. Use nothing but letters, digits, or the underscore character D. All the above
483	Variable and constant names can not contain a(n):	A. Number B. Underscore C. Upper case letter D. Lower case letter
484	Which of the following is NOT a valid identifier?	A. return B. myInt C. myInteger D. total3
485	Which of the following are valid variable names?	A. Long B. Integer C. Notlongenough D. Both B and C
486	Which term describes the kind of values that a variable can store?	A. Variable name B. Datatype

486	Which term describes the kind of values that a variable can store?	C. Variable type D. Variable size
487	Which statement is true about data types?	A. Data type has no memory requirements B. Each data type has different memory requirements C. Each data type has same memory requirements D. None of the above
488	Which data type is used to store numeric value with no decimal point?	A. int B. char C. float D. All
489	Which is a numeric data type ?	A. float B. int C. Both a and b D. char
490	The number of bytes used by int data type in C is:	A. 2 B. 8 C. 12 D. 16
491	The number of bytes used by long int data type in C is:	A. 2 B. 4 C. 12 D. 16
492	An integer variable can store the value:	A. -1.1 B. "123" C. 32898 D. 5.5
493	the integer, long and short data types are known as:	A. Integer data types B. Non-integral data types C. float data types D. Non-numeric data types
494	The data type can handle decimal places is:	A. Long B. float C. char D. string
495	The float, long float and double data types are known as:	A. Integer data B. character data C. Integral data D. Real data
496	The number of bytes used by float data type in C is:	A. 2 B. 4 C. 121 D. 16
497	The number of bytes used by double data type in C is:	A. 2 B. 8 C. 12 D. 16
498	What happens when the result of a calculation exceeds the capacity of data type?	A. System error B. Logic error C. Syntax error D. Over flow
499	The exponential notation consists of:	A. Mantissa B. Exponent C. Range D. A and B
500	The number of digits after a decimal point is called:	A. Significance B. Precision C. Range D. Scope
501	Which of the following data type is used to store string value:	A. char B. float C. string D. long
502	The number of bytes used by char data type in C is:	A. 2 B. 1 C. 121 D. 16
503	Which variable should be used to store the value "I want an A in this exam".	A. char B. int C. float

		D. character
504	Another way to write the value 3452211903 is:	A. 3.452211903e09 B. 3.45221193e-09 C. 3.452211903 x09 D. 3452211903e09
505	Which of the following statements is NOT legal?	A. char ch='b'; B. char ch='0' C. char ch=65; D. char ch="cc"
506	Which of the following are required to declare a variable?	A. keyword B. Variable name C. Data type D. Both b and c
507	Which of the following is used to separate each variable while declaring more than one variable on the same line?	A. Commas B. Colons C. Pipes D. Semicolons
508	Which is a valid statement for declaring a variable?	A. int marks; B. int a,b,c; C. Double salary; D. All
509	Which of the following data types is most appropriate for storing a name?	A. float B. int C. char D. long
510	A process of assigning initial value to a variable at the time of declaration is called:	A. Assigning B. Initializing C. Naming D. setting
511	Which is a valid statement for initializing of a variable?	A. int n=100; B. int x=50, y=75; C. char grade='a' D. All of these
512	Which is NOT a valid statement to initialize a variable?	A. int n=100; B. long, population=15000; C. char n []="hello World"; D. cons int N=100;
513	Which of the following statement is correct?	A. float num1,num2; B. int day,night; C. int continue=5.0; D. string black='white';
514	Which of the following function is used to input data in C programs?	A. Scanf B. Printf C. Get() D. getch()
515	The functions used for input and output is stored in:	A. stdio.h B. conio.h C. math.h D. inout.h
516	The function that is used to display output on screen is called:	A. printf B. scanf C. pow D. Display
517	The function getch() is defined in:	A. stdio.h B. conio.h C. string.h D. math.h
518	The format specifier %u is used for:	A. Integer B. Unsigned short C. Unsigned float D. Unsigned long int
519	Which of the following is displayed by printf function?	A. Text B. Constant or values of variable C. A and B D. Graphics
520	How many variables can be used in one printf function?	A. One B. Two C. Many D. Ten

521	Which of the following things are determined by format specifier?	A. Data type B. Field width C. Format of the value D. All of these
522	Format specifier is started with symbol:	A. ? B. % C. & D. *
523	Which of the following format specifiers is used for integer data type?	A. %d B. %s C. %c D. %f
524	Which of the following format specifiers is used for character data type?	A. %d B. %s C. %c D. %f
525	Which of the following format specifiers is used for float data type?	A. %s B. %c C. %d D. %f
526	Which of the following format specifiers is used for string?	A. %s B. %c C. %d D. %f
527	Which of the following is a possible value of flag?	A. - B. + C. Space D. All
528	Which of the following is NOT legal element of control string in printf statement?	A. Ordinary characters B. Escape sequence C. Format specifier D. Variables
529	The format specifier for output are:	A. %d for int and %f for float B. %c for char C. %s for string D. All
530	The general form of format specifier for floating point value:	A. %m.nf B. m.n% C. m%.nf D. m.n%f
531	Which of the following symbol is used with % sign to display output left-justified:	A. - B. / C. \ D. L
532	The statement printf ("%10d",n) will display the value of n:	A. Right justified in ten-character space B. Left justified in ten-character space C. Center-justified in ten-character space D. None of these
533	The statement printf ("% -10d",n) will display the value of n:	A. Right justified in ten-character space B. Left justified in ten-character space C. Center-justified in ten-character space D. None of these
534	As ampersand before the name of a variable denotes:	A. Actual value B. Variable name C. Address D. Data type
535	Which escape sequence can be used to begin a new line in C?	A. \a B. \b C. \m D. \n
536	Which escape sequence can be used to beep from speaker in c:	A. \a B. \b C. \m D. \n
537	Which escape sequence can be used to insert a tab in c:	A. \a B. \b C. \t D. \n

538	Which escape sequence can move the cursor at the beginning of current line	A. \a B. \b C. \t D. \n
539	Which escape sequence can move the cursor at the beginning of current line in C?	A. \a B. \b C. \m D. \r
540	The escape sequence for backslash is:	A. \ B. \b C. \\ D. \t
541	Which function is used to input data in C program?	A. scanf B. getch() C. gets() D. All
542	getch() stands for:	A. Go character B. Get character C. Give character D. All
543	%f is used for:	A. Double B. Float C. Integer D. Short
544	Which character signifies the beginning of an escape sequence?	A. { B. \ C. // D. /
545	Which escape sequence is used to erase a character left to the cursor position?	A. \b B. \del C. \f D. \c
546	Which character signifies the beginning of an escape sequence?	A. { B. \ C. // D. /
547	Which of the following is not a valid escape code?	A. \t B. \r C. \y D. \f
548	The three programming structures are:	A. Sequence, decision, and repetition B. Process, decision, and alternation C. Sequence, definition, and process D. Relation, comparison, and process
549	Which programming structure executes program statements in order?	A. Relation B. Decision C. Sequence D. Repetition
550	Another term for a computer making a decision is:	A. Sequential B. Selection C. Repetition D. Iteration
551	Which programming structure makes a comparison?	A. Relation B. Decision C. Sequence D. Repetition
552	An expression that uses a relational operator is known as:	A. Operational B. Sequential C. Serial D. Relational
553	Relational operators allow you to _____ numbers.	A. Compare B. Add C. Multiply D. Divide
554	You can use a decision statement to:	A. Run a series of statements if a test fails B. Test series of conditions C. Test whether a condition is true or false D. All of these

555	The operators to compare operands and decide if the relation is true or false are:	A. Arithmetic operators B. Logical operators C. Syntax operators D. Relational operators
556	When a relational expression is false, it has the value _____	A. 0 B. 1 C. <0 D. S
557	Which of the following statements is the simplest form of a decision structure?	A. Select..case B. If statement C. Try..Catch..Finally D. Nested if
558	_____ is used to specify two different choices with "if" statement.	A. Switch B. Else C. If D. If-else
559	In if statement, false is represented by :	A. 0 B. 1 C. 2 D. 3
560	In if statement , true is represented by:	A. 0 B. 1 C. 2 D. 3
561	_____ refers to group of statements enclosed in opening and closing braces.	A. Control structure B. Compound statement C. Sequence structure D. Instruction
562	The conditional portion of the If statement can contain:	A. Any valid constant B. Any expression that can be evaluated to a Boolean value C. Any valid variable D. Any valid constant or vairable
563	Which of the following is NOT part of an if statement?	A. A condition that evaluates as a Boolean B. A condition that evaluates as true or false C. A true block D. All of are part of an IF statement
564	An if statement inside the true block of another if statement is called:	A. A nested if statement B. A branched if statement C. A conditional operator D. A relational operator
565	What does a compound condition use to join two condition?	A. Relational operator B. Logical operator C. Relational Results D. Logical results
566	Which is an example of multiple branches form single expression?	A. If statement B. Switch statement C. While loop D. All
567	Which of the following are valid case statements in a switch?	A. Case 1: B. Case x<4: C. Case 'ab': D. Case 1.5:
568	A case can be defined as:	A. An individual condition to test B. A set of condition of test C. A statement that includes as if statement D. A block of selection
569	The first line in switch block contains:	A. The value of the first criterion B. The expression to be evaluated C. The statement to be executed if none of the criteria are true D. The statement to be executed if the criterion are true
570	How many times is the test expression of a switch statement evaluated?	A. 0 B. 1 C. 2 D. Once for each case
571	The case block ends with:	A. End select B. End case C. Break; D. -

		D. Case else
572	Which of the following is equivalent to $(p \geq q)$?	A. $p \< q$ B. $!(p \< q)$ C. $p \< q$ D. $1p \< q$
573	Another term for a conditional operator is:	A. Ternary B. Binary C. Byte D. Iteration
574	Conditional operator takes _____ operands.	A. 3 B. 2 C. 1 D. 5
575	Which operator in C is called a ternary operator?	A. if B. ++ C. ? D. ()
576	Which of the following is used for making two way decision:	A. if-else B. If C. Nested if D. Switch
577	Switch statement is an alternative of:	A. if B. if-else C. Nested if D. Nested if-else
578	Conditional operator is an alternative of:	A. if B. if-else C. Nested if D. All
579	If $x=10$ and $y=5$,, what will the output of the following expression? $x > y ? x * y : x + y$	A. 5 B. 10 C. 15 D. 50
580	This is a control structure that causes a statement or group of statement to repeat:	A. Decision statement B. Duration C. Iteration D. Test
581	How many types of loop structure are available in C language?	A. While B. Do-while C. For D. All
582	A counter can be defined as:	A. The final value of a loop B. A variable that counts loop iterations C. The initial value of a loop D. The step value of a loop E.
583	Where should be the loop control variable initialized?	A. Before the loop starts B. In the first statement of the loop body C. In the last statement of the loop body D. Anywhere in the loop body
584	Which loop structure always executes at least once?	A. Do-while B. For C. While D. All
585	In which loop the condition comes before the body of the loop?	A. While loop B. Do-while loop C. For loop D. B and C
586	In which loop the condition comes after the body of the loop?	A. While loop B. Do-while loop C. For loop D. B and C
587	Which of the following loop is called counter loop?	A. For B. While C. Do-while D. All
588	This loop is a good choice when you know how many times you want the loop to iterate in advance of entering the loop?	A. While B. Do-while C. For D. All

		D. Nested
589	This statement causes a loop to terminate early?	A. Break B. Terminate C. Exit D. A and B
590	A loop within a loop is called:	A. Nested loop B. Complex loop C. Infinite loop D. Dual loop
591	The loop which never ends is called:	A. Infinite loop B. Running loop C. Continuous loop D. Nested loop
592	Which statement is used to move the control to the start of loop body?	A. Continue B. Break C. Switch D. Goto
593	A special value that marks the end of a list of input data is called:	A. Terminal value B. Sentinel Value C. Loop control value D. Input value
594	A for statement contains three expressions: Initialization, test and:	A. Assignment B. Validation C. Increment / decrement D. All
595	In a for statement, this expression is executed only once:	A. Test B. Validation C. Initialization D. All
596	This statement may be used to stop a loop's current iteration and begin once:	A. Continue B. Break C. Terminate D. Next
597	This means to increase a value by one:	A. Modulus B. Increment C. Decrement D. Inc
598	If we want a user to enter exactly 20 values, which loop would be the best to use?	A. While B. Do-while C. For D. Infinite
599	While loop is also called:	A. Conditional loop B. Wend loop C. Counter loop D. Continuous loop
600	Semicolon is placed at the end of condition in:	A. While loop B. Do-while loop C. For loop D. All
601	Which of the following is a loop statement?	A. If B. If-else C. Switch D. None
602	When is for loop more appropriate than while loop?	A. The termination condition is known in advance B. The number of iterations is not known in advance C. The loop should be executed only once D. The loop should be executed at least once
603	When is while loop more appropriate than for loop?	A. The terminating condition occurs unexpectedly B. The body of 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 executes
604	The body of while loop with multiple statements ends with:	A. Right bracket] B. Right brace } C. Comma

		C. Comma , D. Semi colon ;
605	The body of for loop with single statement ends with:	A. Right bracket] B. Right brace } C. Comma , D. Semi colon ;
606	When does the code block following while (x<100) execute?	A. When x is less than one hundred B. When x is greater than one hundred C. When x is equal to one hundred D. None
607	What is the final value of x after executing the following code: For (int x=0; x<10; X++)	A. 10 B. 9 C. 0 D. 1
608	What is the value of "a" after execution the following code segment: int a=2; int b=0; while(b<5) { a=a*2; b=b+1; } a=a+1;	A. 64 B. 65 C. 66 D. 67
609	What is the value of "a" after the execution of the following code? int a 25; for(int c=0; c<4;c++) a=a-1; a=1+3;	A. 23 B. 24 C. 25 D. 20
610	If n=3, what will be the value of n after executing the following code? do n*=2 while (n<48);	A. 24 B. 32 C. 48 D. 96
611	The keyword 'break' cannot be used within:	A. Do-while B. If-else C. For D. While
612	One execution of a loop is known as a(n):	A. Cycle B. Duration C. Iteration D. Test
613	Which of the following loop is available in C language?	A. While B. Do-while C. For D. All
614	A relation is also known as	A. Table B. Tuple C. Relationship D. Attribute
615	A relation is analogous to a	A. File B. Field C. Record D. Row
616	A two -dimensional table of data is called a	A. Group B. Set C. Declaration D. Relation