

Test Booklet Code **A**

Test Booklet Sr. No.:

**TEST PAPER**

Marks: 100

Time: 60 minutes

ROLL NO.: _____	NAME: _____
SIGNATURE: _____	DATE / TIME: _____

**INSTRUCTIONS FOR THE CANDIDATES**

i	Before attempting the paper carefully read out all the Instructions & Examples given on Side 1 of Answer Sheet (OMR Sheet) supplied separately.
ii	At the start of the examination, please ensure that all pages of your Test booklet are properly printed; your Test booklet is not damaged in any manner and contains 100 questions. In case of any discrepancy the candidate should immediately report the matter to the invigilator for replacement of Test Booklet. No claim in this regard will be entertained at the later stage.
iii	An <b>OMR Answer Sheet</b> is being provided separately along with this Test booklet. Please fill up all relevant entries like Roll Number, Test Booklet Code etc. in the spaces provided on the OMR Answer Sheet and put your signature in the box provided for this purpose.
iv	Make sure to fill the correct Test booklet code on Side 2 of the OMR Answer Sheet. If the space for the Booklet Code is left blank or more than one booklet code is indicated therein, it will be deemed to be an incorrect booklet code & Answer Sheet will not be evaluated. The candidate himself/herself will be solely responsible for all the consequences arising out of any error or omission in writing the test booklet code.
v	<b>This Test Booklet consists of 08 pages containing 100 questions.</b> Against each question four alternative choices (1), (2), (3), (4) are given, out of which one is correct. Indicate your choice of answer by darkening the suitable circle with <b>BLACK/BLUE pen</b> in the OMR Answer Sheet supplied to you separately. Use of Pencil is strictly prohibited. More than one answer indicated against a question will be deemed as incorrect response.
vi	The maximum marks are 100. Each question carries one mark. <b>There will be no negative marking. The total time allocated is 60 minutes.</b>
vii	Do not fold or make any stray marks on the OMR Answer Sheet. Any stray mark or smudge on the OMR Answer Sheet may be taken as wrong answer. Any damage to OMR Answer Sheet may result in disqualification of the candidate.
viii	<b>On completion of the test, candidate must hand over the OMR Answer Sheet to the invigilator on duty in the room/hall.</b>
ix	<b>Use of Mobile phones and calculators etc. are not allowed.</b>
x	<b>Keep all your belongings outside the Examination hall. Do not retain any paper except the ADMIT CARD.</b>

S No	Question
1	<b>Commonly used auxiliary storage devices used in a computer system are</b> (1) Magnetic tape, Magnetic drum and magnetic disk (2) Magnetic core, magnetic tape and magnetic drum (3) Magnetic disk, semiconductor memory and magnetic drum (4) Magnetic tape, monolithic storage and magnetic disk
2	<b>The idea of cache memory is based on</b> (1) The property of locality of reference (2) The heuristic 90-10 rule (3) The fact that only a small portion of a program is referenced relatively frequently (4) All of these
3	<b>When we move from the outermost track to the innermost track in a magnetic disk, then density (bits per linear inch)</b> (1) decreases (2) increases (3) remains the same (4) either remains constant or decreases
4	<b>The way a card game player arranges his cards as he picks them up one by one, is an example of</b> (1) Insertion sort (2) Selection sort (3) Bubble sort (4) Merge sort
5	<b>If a variable can take only integer values from 0 to n, where n is a constant integer, then variable can be represented as a bit-field whose width is the integral part of (assume base 2)</b> (1) $\log(n) + 1$ (2) $\log(n + 1) + 1$ (3) $\log(n - 1) + 1$ (4) none of these
6	<b>Contents of a file will be lost if it is opened in</b> (1) a mode (2) w mode (3) r+ mode (4) a+ mode
7	<b>An object oriented language is used because</b> (1) own data types can be defined (2) An object oriented program can be taught to correct its own errors (3) it is easier to conceptualize an object (4) both (1) and (3)
8	<b>The purpose of following program fragment</b> $b = s + b;$ $s = b - s;$ $b = b - s;$ <b>where s and b are two integers is to</b> (1) transfer the contents of s to b (2) transfer the contents of b to s (3) exchange the contents of s and b (4) negate the contents of s and b
9	<b>Choose the correct statements,</b> (1) Casting refers to implicit type conversion (2) Coercion refers to explicit type conversion (3) Casting refers to explicit type conversion (4) None of these
10	<b>The following program fragment</b> <pre> If (2 &lt; 1)     ; Else x = (2 &lt; 0) ? printf("one") : printf("four"); printf("%d", x); </pre> (1) Prints nothing (2) Results in syntax error (3) Prints four0 (4) None of these
11	<b>The standard protocol used for sending Internet e-mail is called</b> (1) Telnet (2) POP (3) SMTP (4) HTTP
12	<b>In URL <a href="http://www.yahoo.com/technology/mpeg.htm">http://www.yahoo.com/technology/mpeg.htm</a>, technology is a</b> (1) protocol (2) host computer name (3) directory (4) top level domain
13	<b>The feature which allows user to insert multimedia elements into software programs known as</b> (1) ODA (2) OLE (3) OMF (4) OSI
14	<b>Use of macro instead of function is recommended</b> (1) When one wants to reduce the execution time (2) When a function is called in many places in a program (3) Both (1) and (2) (4) None of these

15	<p><b>If p is a pointer to an integer and t is a pointer to a character then sizeof(p) will be</b></p> <p>(1) same as that of sizeof(t)                      (2) greater than that of sizeof(t)  (3) less than that of sizeof(t)                      (4) none of these</p>
16	<p><b>What will be the output of the following program fragment:</b></p> <pre>for(l = 0; l &lt; 10; ++l)     printf("%d", l &amp; 1);</pre> <p>(1) 0101010101              (2) 0111111111              (3) 0000000000              (4) 1111111111</p>
17	<p><b>Consider the declaration</b></p> <pre>char x[] = "ANNA" char *y = "ANNA"</pre> <p><b>pick the correct answer</b></p> <p>(1) the output of puts(x) and puts(y) will be same  (2) the output of puts(x) and puts(y) will be different  (3) the output of puts(y) is implementation dependent  (4) none of these</p>
18	<p><b>The declaration</b></p> <pre>Int (*p) [5]</pre> <p><b>means</b></p> <p>(1) p is a one dimensional array of size 5, of pointers to integers  (2) p is a pointer to a 5 element integer array  (3) same as int *p[5];  (4) none of these</p>
19	<p><b>Choose the incorrect statement</b></p> <p>(1) Shell scripts can accept arguments                      (2) Shell scripts are compiled  (3) Shell is a programming language                      (4) Shell scripts are interpreted</p>
20	<p><b>MSXML is</b></p> <p>(1) A Microsoft language                      (2) XML parser that ships with Internet explorer 5.0  (3) Used for interacting with XML                      (4) None of these</p>
21	<p><b>. DTD's in XML are</b></p> <p>(1) Associated with the document element                      (2) Not associated with document element  (3) Are associated to scheme                      (4) None of these</p>
22	<p><b>Attributes in XML are</b></p> <p>(1) Elements in XML  (2) Child nodes  (3) A way of attaching characteristics or properties to elements of a document  (4) None of these</p>
23	<p><b>Document object Model (DOM) is a</b></p> <p>(1) parser              (2) specification              (3) coding style              (4) none of these</p>
24	<p><b>HTML is a subset of</b></p> <p>(1) SGMT              (2) MHEG              (3) SGML              (4) HyTIME</p>
25	<p><b>The main container for &lt;TR&gt;, &lt;TD&gt; and &lt;TH&gt; is</b></p> <p>(1) &lt;TABLE&gt;              (2) &lt;GROUP&gt;              (3) &lt;DATA&gt;              (4) All of these</p>
26	<p><b>The correct HTML tag for the largest heading is</b></p> <p>(1) &lt;head&gt;              (2) &lt;h6&gt;              (3) &lt;heading&gt;              (4) &lt;h1&gt;</p>
27	<p><b>If the signal does not change at all, its frequency will be</b></p> <p>(1) ∞ Hz              (2) 0 Hz              (3) 1 Hz              (4) None of these</p>
28	<p><b>VGA is one type of monitor. The term VGA stands for</b></p> <p>(1) Visual Graphics Array                      (2) Video Graphics Array  (3) Video Graphics Accelerator                      (4) Video Graphics Adapter</p>
29	<p><b>Which of the following is a non-impact printer?</b></p> <p>(1) Laser printer              (2) daisy wheel printer              (3) Dot Matrix printer              (4) Line printer</p>
30	<p><b>Markup tags tell the browser</b></p> <p>(1) How to organize the page                      (2) how to display the page  (3) how to display message box on the page                      (4) none of these</p>
31	<p><b>Which of the tag is used to create a number list?</b></p> <p>(1) &lt;LI&gt;              (2) &lt;OL&gt;              (3) &lt;LI&gt; and &lt;OL&gt;              (4) None of these</p>
32	<p><b>The latest HTML standard is</b></p> <p>(1) XML              (2) SGML              (3) HTML 4.0              (4) XHTML 1.0</p>

33	<b>XSLT is</b> (1) an extended style sheet language used for formatting (2) an extensible style sheet language used for formatting (3) used for session tracking in XML (4) none of these
34	<b>&lt;DT&gt; tag is designed to fit a single line of our web page but &lt;DD&gt; tag will accept</b> (1) line of text                      (2) full paragraph                      (3) word                      (4) request
35	<b>An audit trail</b> (1) is used to make backup copies (2) is the recorded history of operations performed on a file (3) can be used to restore lost information (4) none of these
36	<b>The keyboard shortcut for renaming a file/folder in windows OS is</b> (1) F2                      (2) F3                      (3) F4                      (4) F5
37	<b>Which devices are used in multimedia</b> (1) MIDI                      (2) Sound card                      (3) Video card                      (4) All of these
38	<b>A common reason for changing an information system is</b> (1) New technology                      (2) New requirements (3) Problems in existing system                      (4) All of these
39	<b>A Decision Support System (DSS) consists of</b> (1) More DML, less DQL                      (2) More DQL, less DML (3) Half DML, half DQL                      (4) Only DML
40	<b>Errors can be found by outsiders during</b> (1) A structured walkthrough                      (2) Alpha testing                      (3) Beta testing                      (4) All of these
41	<b>Which one of the following has smallest storage capacity</b> (1) CD                      (2) DVD                      (3) Zip Disk                      (4) Floppy disk
42	<b>Each time you turn the power switch on which control files the computer will check</b> (1) command.com, io.sys                      (2) command.com, date.com, time.com (3) command.com, io.sys, msdos.sys                      (4) chkdsk.exe
43	<b>What does file format GIF stands for</b> (1) Graphical Interchange Font                      (2) Graphical Interchange Format (3) Graphical Image Format                      (4) Graphical Image file
44	<b>Which command will be used to view the contents of the directory of the current disk drive?</b> (1) list                      (2) dir                      (3) cd                      (4) tree
45	<b>The DFD is</b> (1) modern version of flowchart (2) mainly used at system specification stage (3) primary output of the system design phase (4) all of these
46	<b>Software testing techniques are most effective if applied immediately after</b> (1) requirement specification                      (2) design                      (3) coding                      (4) integration
47	<b>SC and ST fiber optics cable connectors represent</b> (1) Synchronous Channel & Synchronous Terminal (2) Subscriber Channel & Synchronous Terminal (3) Synchronous Channel and Straight Tip (4) Subscriber Channel and Straight Tip
48	<b>A condition that led to the development of database was</b> (1) Demand for more data to support information needs (2) An increase in the amount of data handled by organizations (3) Proliferation of data files (4) All of these
49	<b>A data dictionary is a special file that contains</b> (1) The name of all fields in all files                      (2) Data types of all fields in all files (3) The width of all fields in all files                      (4) All of these
50	<b>Data security threats include</b> (1) Privacy invasion                      (2) Hardware failure (3) Fraudulent manipulation of data                      (4) All of these

51	<p><b>What is the output of the following program:</b></p> <pre>main() {     int i = 2;     { int i = 4, j=5; printf("%d%d", i,j); }     printf("%d%d",i,j); }</pre> <p>(1) will not compile successfully    (2) prints 4525    (3) prints 2525    (4) none of these</p>
52	<p><b>What will be the output of following code segment:</b></p> <pre>int i=-7; printf("%d",0&lt;i);</pre> <p>(1) 0    (2) non zero value    (3) error    (4) unpredictable value</p>
53	<p><b>The following program</b></p> <pre>main() {printf("tim"); main();}</pre> <p>(1) is illegal    (2) keeps on printing tim    (3) prints tim once    (4) unpredictable value</p>
54	<p><b>What will be the output of following program</b></p> <pre>#include &lt;stdio.h&gt; void main( ) {     unsigned int a =8;     ~a;     printf("%u", a); }</pre> <p>(1) -8    (2) 0    (3) 8    (4) None of these</p>
55	<p><b>In C++ , a constructor is called whenever</b></p> <p>(1) an object is created    (2) an object is used    (3) a class is declared    (4) a class is used</p>
56	<p><b>Which of the following is false for switch statement in C++?</b></p> <p>(1) It uses labels instead of blocks  (2) we need to put break statement at the end of the group of statement of a condition  (3) we can put range for case such as case 1..3  (4) None of these</p>
57	<p><b>Choose the correct remarks.</b></p> <p>(1) C++ allows any operator to be overloaded  (2) Some of the existing operators can't be overloaded  (3) Operator precedence can be changed  (4) All of these</p>
58	<p><b>Which of following parameter passing mechanism is supported by C++, but not by C,</b></p> <p>(1) call by value    (2) call by reference    (3) call by value-result    (4) All of these</p>
59	<p><b>The period of time between an allocation and its subsequent disposal is called</b></p> <p>(1) scope    (2) lifetime    (3) longevity    (4) dynamic binding</p>
60	<p><b>Which of the following can't be declared static?</b></p> <p>(1) Member variables    (2) Object    (3) functions    (4) none of these</p>
61	<p><b>Function call to <i>fseek( )</i> function to position the file pointer at the beginning of the file is</b></p> <p>(1) <i>fseek(fp,1L,0);</i>    (2) <i>fseek(fp,1L,1);</i>    (3) <i>fseek(fp,0L,0);</i>    (4) <i>fseek(fp,0L,1);</i></p>
62	<p><b>If variable 'c' is initialized to 15, how many times will the following loop be executed?</b></p> <pre>while(c)     printf("abc123");     c--;</pre> <p>(1) 1    (2) 14    (3) 15    (4) None of these</p>
63	<p><b>A class template can declare</b></p> <p>(1) global data members    (2) constant data members  (3) static data members    (4) both (1) and (3)</p>
64	<p><b>To overload a postfix ++ for FUN class, an appropriate function header is</b></p> <p>(1) <i>FUN&amp; FUN ::operator++(int)</i>    (2) <i>FUN&amp; FUN ::operator++(FUN&amp;num)</i>  (3) <i>FUN&amp; FUN ::operator++( ).....</i>    (4) <i>FUN::operator++(FUN&amp;num)</i></p>

65	<b>MS-Excel is a kind of .....</b> (1) Accounting software (2) Multimedia software (3) System software (4) Data base management software
66	<b>Which of the following is not a search engine?</b> (1) HotBot (2) AltaVista (3) Google (4) Hotmail
67	<b>Which is known as heart and soul of .NET framework</b> (1) C# (2) CLR (3) ASP.NET (4) Windows Forms
68	<b>Which of the following is not a component of .NET framework</b> (1) CLR (2) ASP.NET (3) Windows Forms (4) C++ compiler
69	<b>MSIL stands for</b> (1) Microsoft Interface Language. (2) Microsoft Intermediate Language. (3) Metadata Specification Interface Language. (4) None of these
70	<b>Generally sound files are stored with file extension</b> (1) JPG (2) WAV (3) VLC (4) XLS
71	<b>What type of data can you send by e-mail</b> (1) audio (2) video (3) pictures (4) all of these
72	<b>The technique for remote login is called</b> (1) web browsing (2) telnet (3) internet telephony (4) all of these
73	<b>Which of the following is a image compression standard?</b> (1) JPEG (2) MPEG (3) PCM (4) None of these
74	<b>How can you create a uniform appearance by adding a background image to all slides?</b> (1) Create a template (2) Edit the slide master (3) Use the autocorrect wizard (4) All of these
75	<b>The checking operation performed on input data is called the</b> (1) Validation of data (2) Verification of data (3) Cross check (4) Control of data
76	<b>To insert three columns between D and E, you would</b> (1) select column D (2) select column E (3) select columns E, F and G (4) select columns D, E and F
77	<b>The two kinds of main memory are:</b> (1) ROM and RAM (2) Primary and secondary (3) Floppy disk and hard disk (4) None of these
78	<b>To move to the previous worksheet, press</b> (1) Alt + PgUp (2) Ctrl + PgUp (3) Ctrl + PgDn (4) Shift + Tab
79	<b>Using the AutoSum button will replace the selected cell with</b> (1) the sum of values in the cell's column (2) nothing until you select a range of cells (3) the sum of the cell's row unless you change the range (4) a formula which will add values in the range Excel guesses you want to add.
80	<b>MS-Powerpoint presentations are given the extension</b> (1) XLS (2) PPT (3) DOC (4) BMP
81	<b>In MS-powerpoint, the custom animation is available on</b> (1) Edit menu (2) Slide show menu (3) Tools menu (4) Insert menu
82	<b>A combination of various colors used for text and other presentation elements is called</b> (1) Fill effect (2) Template (3) Color scheme (4) C-set
83	<b>Which one of the following is not a powerpoint view?</b> (1) Slide Sorter view (2) Slide view (3) Slide show view (4) Sorter view
84	<b>Which of the following is not a multimedia software</b> (1) MS-PowerPoint (2) Adobe-Flash (3) Macromedia Director (4) MS-Paint
85	<b>Which statement is valid?</b> (1) 1KB = 1024 bytes (2) 1 MB=2048 bytes (3) 1 MB = 1000 kilobytes (4) 1 KB = 1000 bytes
86	<b>Which data base handles full text data, audio, image and video?</b> (1) Transaction databases (2) Graphics data bases (3) Video on Demand databases (4) Multimedia databases
87	<b>The protocol used for WWW service is</b> (1) HTML (2) HTTP (3) FTP (4) DHTML



88	<b>. ICMP</b> (1) messages are encapsulated in an IP header (2) reports only on errors and problems (3) is integral part of TCP (4) is integral part of UDP
89	<b>A menu driven operating system is one which allows you to pick up from the menu of choices it displays on the screen. What is the name given to the images which are used in such image oriented menus?</b> (1) Model (2) Figure (3) Symbol (4) Icon
90	<b>VIRUS stands for</b> (1) Vital information resources under seized (2) Very important resources under stress (3) Vital information running under seized (4) none of these
91	<b>Which scanner can be used to image a 3-dimensional object?</b> (1) Drum (2) Slide/Film (3) Microfilm (4) Digital Camera
92	<b>A web page has a unique address called a</b> (1) WWW (2) IP address (3) URL (4) ISP
93	<b>CLR in .NET framework stands for</b> (1) Common Language Runtime (2) Compiled language Runtime (3) Component Language Runtime (4) None of these
94	<b>Website is a collection of</b> (1) HTML documents (2) Graphics files (3) Audio files (4) All of these
95	<b>Netsurfing is a term used for</b> (1) Sending mails (2) Posting messages (3) Exploring web (4) None of these
96	<b>Online textual talk is called</b> (1) Video conferencing (2) Telephony (3) Text phone (4) Chat
97	<b>In multimedia context, FPS stands for</b> (1) Frames Per Second (2) File Processing Speed (3) Files Per Second (4) Floating point operations Per Second
98	<b>Which is the popular software for creating 2D animation for use in web pages?</b> (1) Flash (2) Adobe-Photoshop (3) MS-Powerpoint (4) None of these
99	<b>What is the name of programming/scripting language of Flash</b> (1) Action Script (2) Animation script (3) Java script (4) None of these
100	<b>In graphics, Aspect ratio is generally defined as the ratio of the</b> (1) Vertical to horizontal points (2) Horizontal to vertical points (3) either (1) or (2) depending on the convention followed (4) None of these

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