OBJECTIVE

Time: 20 Minutes

Marks:13

Section-A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent .Deleting /Overwriting is not allowed .Do not use lead pencil.

Q.1 Fill the relevant bubble for each part on the bubble sheet. Each part carries One mark.

1	Which one of the following states transitions is valid?						
A	Ready to block	B	Blocked to Running	C	Running to Ready	D	Terminated to Running
2	In which state, a process is waiting to be assigned to the processor by the operating system scheduler?						
A	New State	B	Ready State	C	Waiting State	D	Running State
3	The first step in the system development life cycle is						
A	Analysis	B	Design	C	Problem Identification	D	Development and Documentation
4	The decision Symbol in a flowchart indicates:						
A	Progress	B	Condition	C	Output	D	Input
5	Which of the following is an arithmetic operator?						
A	&&	B	%	C	<=	D	>=
6	The number of bytes used by float data type in C++ is						
A	2	B	4	C	6	8	Line
7	If the value of x=2 and y=4 then what will the output of the expression x>y ? x*y :x+y;						
A	2	B	4	C	6	D	8
8	How many times the following code print "AJK BISE MIRPUR" Int c=0; While(c<10) { Cout<<"AJK BISE MIRPUR" ; C++ ;						
A	8	B	9	C	10	D	11
9	Which of the following identifies first element in array named temp?						
A	Temp[0]	B	Temp[1]	C	Temp(1)	D	Temp(0)
10	Another name for built-in function is:						
A	User defined function	B	Library function	C	Sub[rogram	D	Custom-made function
11	The operator used to get value at address stored in a pointer variable is:						
A	*	B	&	C	&&	D	||
12	The name of destructor is always preceded by the symbol:						
A	+	B	%	C	-	D	~
13	Which type of files data can be accessed randomly?						
A	Access file	B	Binary file	C	Text file	D	b-file

COMPUTER SCIENCE MODEL QUESTION PAPER(HSSC-II)

SUBJECTIVE

Time: 02:40 Hours   **Marks: 62**

Note: Answer all parts from Section 'B' and all questions from Section 'C' on the E-sheet. Write your answer on the allotted/given spaces.

SECTION-B(Marks 42)

Q.2 Attempt all parts from the following. All parts carry equal marks.   **14x3=42**

    i.   Write down three functions of an operating system.   **(03)**

    ii.   Give three examples where batch processing is used.   **(03)**

    iii.   List different stakeholders of SDLC.   **(03)**

    iv.   Write down three responsibilities of System Analyst?   **(03)**

                                    OR

        Differentiate between Direct Implementation and Parallel Implementation.   **(1.5+1.5)**

    v.   What will the output of the following program?   **(03)**

```
void main()
{
int n;
n=4;
cout<<"the initial value of n is"<<n<<endl;
n++;
cout<<"the value n is now" <<n<<endl;
getch();
}
```

                                    OR

        How are variable declared? Give Two examples.   **(02+.5+.5)**

    vi.   Write an expression to test each of the following relationships: **(1.5+1.5)**
          Age is from 40 to 60

                                    OR

        Convert the following code into while ( ) loop: **(03)**

```
 int i;
for(i=1; i<=10; i++)
cout<<"i="<<i;
```

    vii.   Differentiate between if and if-else statement.   **(1.5+1.5)**

    viii.   Define loop structure. Write two advantages of loop.   **(1+1+1)**

                                    OR

        Define Nested loop? How does it work.   **(02+1)**

    ix.   Write down any Three advantages of Array.   **(1+1+1)**

    x.   Define Array. How does an array differ from simple variable?   **(1+2)**

    xi.   Write down any three advantages of function?   **(1+1+1)**

xii.   **List different components of a function in c++.**   **(1+1+1)**
OR
Which is the safest mode of of implementation? Give reason. **(1+2)**
xiii.   **How is a pointer variable declared?**   **(03)**
OR
Define time-sharing operating system.   **(03)**
xiv.   **What is meant by polymorphism?**   **(03)**
OR
Define string constant. Give Two Examples.   **(1+2)**

SECTION-III(MARKS-20)

NOTE: ATTEMPT ALL QUESTIONS. MARKS OF EACH QUESTION ARE GIVEN WITHIN BRACKETS   **(4X5=20)**

Q NO:03 Describe any FIVE functions performed by operating system.   **(1+1+1+1+1=5)**

Q NO: 04 Write down the purpose of deployment phase in SDLC.Discuss different methods of deployment.   **(2+3)**
OR
Define Access Specifiers? Explain private and public access specifiers with Example   **(1+2+2)**

Q NO: 05 Define logical operators? Discuss TWO types of logical operators. (1+2+2)
OR
Write a program that input a number from user and finds whether it is even or odd using if-else statement.   **(2+3)**

Q NO :06 Define "while" loop .Explain its working with flowchart and example. (2+1+2)
OR
What is function call. Give an example.   **(2+3)**