COMPUTER SCIENCE MODEL PAPER HSSC-II

Section-A — 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

Note: Answer 14 parts from Section 'B' and 04 questions from Section 'C' on the E-sheet. Write your answer on the allotted/given spaces.

SECTION-B(Marks 42)

Q.2 Attempt any 14 questions 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)

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

vi. 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();
}
```

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

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

ix. Convert the following code into while ( ) loop: (03)

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

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

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

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

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

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

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

xvi. List different components of a function in c++. (1+1+1)

xvii. Which is the safest mode of of implementation? Give reason. (1+2)

xviii. How is a pointer variable declared? (03)

xix. Define time-sharing operating system. (03)

xx. What is meant by polymorphism? (03)

SECTION- C(MARKS-20)

Note: Attempt any FOUR 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=05)

Q NO: 04 Write down the purpose of deployment phase in SDLC.Discuss different methods of deployment. (2+3)

Q NO. 05 Define Access Specifiers? Explain private and public access specifiers with Example? (1+2+2

Q NO: 06 Define logical operators? Discuss TWO types of logical operators. (1+2+2)

Q NO: 07 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: 08 Define "while" loop .Explain its working with flowchart and example. (2+1+2)

Q NO:09 What is function call. Give an example. (2+3)

THE END