DELHI PUBLIC SCHOOL, DURGAPUR

QUESTION BANK & REVISION SHEET OF COMPUTER FOR FINAL EXAMINATION (2017-18)

CLASS-VI

CHAPTER- INTRODUCTION TO NETWORKING.

A: Define the following terms:

1. Network 2. Server 3. Protocol 4. Network Topology 5. TCP 6. FTP

B. Draw the diagram of the following topologies:

1.Bus Topology 2. Star Topology 3. Ring topology 4. Mesh Topology 5. Tree Topology

CHAPTER:- BEGINNING WITH PROGRAMMING

A:Define the following terms:

1. IPO Cycle 2. Program 3. Programming language 4. Machine language 5. Algorithm 6. Pseudocode

CHAPTER-PROGRAMMING WITH QBASIC

1.What do you understand by Qbasic.

2.Define the main features of Qbasic.

3. Who has been developed Qbsaic.

4.Why do we use the-<i> CLS statement, <ii>PRINT Statement,<iii>REM Statement, <iv>INPUT Statement, <v>LET Statement, <vi>END Statement in QBasic? Or

What is the purpose of the--<i> CLS statement, <ii>PRINT Statement,<iii>REM Statement, <iv>INPUT Statement, <v>LET Statement, <vi>END Statement in QBasic

(These Statements can come in separate manner also).

5.What are **comments** in QBasic?

6.What is the difference between-

<i> The LET and INPUT statements?

<ii> The PRINT and REM statements?

<iii>The CLS and END statements?

7. How many types of arithmetic operators used by QBasic to perform calculations on the variable?

8.What is variable in QBasic? Define how many types of variables available in QBasic?

CHAPTER-PROGRAMMING USING FLOWCHARTS

1.What is a Flowchart?

2.How a Flowchart is made up of?

3. Define the Symbols of QBasic-

<i>Terminator Symbol, <ii> Input or Output Symbol, <iii>Flow Line Symbol, <iv> Process Symbol, <v>Display Symbol, <vi> On page Connector Symbol, <vii>Off Page Connector Symbol. (This Symbol can come in separate manner also).

4. What is the difference between –

<i>The INPUT Symbol and PROCESS Symbol.

<II>TERMINATOR Symbol and FLOW LINE Symbol.

<iii> On page Connector Symbol and Off Page Connector Symbol.

CHAPTER- CREATING PROGRAMS USING CONDITIONS

1.What is a Decision Symbol in Qbasic and what is its use?

2.what is a Condition?

3.what is-

<i>IF Statement

<ii>ELSEIF Statement

<iii>END IF statement in Qbasic?

4.Define the Syntax of IF Statement.

5.Define the Syntax of ELSEIF Statement.
6.How is IF statement used in a Flowchart.

CHAPTER-PROGRAMMING USING LOOPS

1.What is a Loop statement?
2.What is a Loop Counter?
3. Why do we use diamond shape Symbol in a Loop Statement.
4. What are Loops? How they are used in a Flowchart?
5.Define the FOR-NEXT LOOP.
6. What is the Syntax of FOR-NEXT LOOP.
7.Why do we use Jump Statement in QBasic?
8.What command we use to change the colour of the output text in QBasic.
9.Explain the working of the DO-WHILE LOOP.
10.What is the Syntax of DO-WHILE LOOP.
11.What is DO-UNTIL LOOP?
12.What is the difference between FOR-NEXT LOOP and DO-WHILE LOOP?

CHAPTER-ARRAYS AND STRING

1.Why do we use array? **Or** Define Array.
2.Classify array on the basis of- how they Store Data.
Or
2a.What is Single or One Dimension Array?
2b.what is Two Dimensional Array?
3.Classify the Arrays on the basis of the type of data they store.
Or
3a.What is an Integer Array?
3b. what is a String Array?
4.How do we declare an Integer Array and a String Array.
5.Define Dim Statement and SIzeofarray.
6.What are Library Functions?
7.What is the difference between-
<I> The LEFT$ and RIGHT$ library functions.
<Iii> The RIGHT$ and MID$ library functions.
Or
Define LEFT$, RIGHT$ and MID$ library functions with example.
8.What are the library functions used for mathematical operations in QBasic?
Or
Define CINT() and SQR() Math function.
Or
What is the difference between CINT() and SQR() function.

Predict the output of QBASIC Code:-

i.
```
CLS
LET A = 12
LET B = 13
IF A>B  THEN
    PRINT ”value of A is more than B”
ELSEIF B>A THEN
    PRINT ”value of B is more than A”
END
```

ii.
```
CLS
A = 1
DO WHILE A <= 5
   PRINT A
   A = A + 1
LOOP
END
```

iii.
```
CLS
Fname$=”Ramesh”
Lname$=”Yadav”
PRINT Fname$+Lname$
END
```

iv. Predict the output of the given program if the user enters 49 as input.
```
CLS
INPUT “Enter a number ”; num
LET SquareRoot = SQR(num)
PRINT ”Square Root of the number is:” ; SquareRoot
END
```

v. Predict the output of the given program if the value of a name entered by the user is “Sujata”.
```
CLS
DIM WholeName AS STRING
PRINT “Enter the Name”
INPUT WholeName
PRINT MID$(WholeName$, 2, 5)
END
```

vi. Predict the output of the given program if the value of a name entered by the user is “Ratnagiri”.
```
CLS
DIM WholeName AS STRING
PRINT “Enter the Name”
INPUT WholeName
PRINT LEFT$(WholeName$,5)
END
```

vii. Predict the output of the given program if the value of a name entered by the user is “Prakash”.
```
CLS
DIM WholeName AS STRING
PRINT “Enter the Name”
INPUT WholeName
PRINT RIGHT$(WholeName$,5)
```

END

viii.
```
CLS
PRINT CINT(1.49)
PRINT CINT(1.50)
END
```

ix.
```
CLS
DIM NAME(3) AS STRING
NAME$(1)=”Vijaya”
NAME$(2)=”Sneha”
NAME$(3)=”Kavita”
PRINT “GOOD MORNING”; “ : “; NAME$(2)
END
```

x. Predict the output of the given program if the user enters the two months as January and February.
```
DIM MONTH(2) AS STRING
FOR I = 1 TO 2
      PRINT “ENTER THE MONTH”
     INPUT MONTH(I)
NEXT
FOR I = 1 TO 2
    PRINT LEFT$(MONTH$(I), 3)
NEXT
END
```

Syllabus of Class VI Computer Science FINAL EXAMINATION (2017-18)

1. Unit : 6 Introduction to networking.
2. Unit : 7 Beginning with Programming
3. Unit : 8 Programming using QBASIC
4. Unit : 9 Programming using Flowcharts.
5. Unit : 7 Creating Programs using conditions.
6. Unit : 8 Programming using Loops
7. Unit : 9 Arrays and Strings.

Sample Questions for Practical Exam:-

1. WAP to print first ten multiples of 3 using FOR NEXT loop.
2. WAP to accept any week day name and display first 3 characters.
3. WAP to accept and store name of five students of Class 6 using concept of array.
4. WAP to accept any two integers and swap the values without using third variable.
5. WAP to round off 46.57.