# **Model Question Paper – 1**

# **Group A – Computer Fundamental (22 Marks)**

- 1) Answer the following questions.  $[5\times2=10]$
- a) What is computer network?
- b) What is Internet?
- c) Write any four preventive measures to protect a computer system from virus infection.
- d) Write any two software used in multimedia.
- e) What is hardware security?

#### 2)

- a) Convert as instructed. [2×1 = 2]
- i. (101)<sub>10</sub> into Binary
- ii. (75)<sub>8</sub> into Decimal
- b) Perform the binary calculation.  $[2 \times 1 = 2]$
- i.  $(10101)_2 (1011)_2$
- ii.  $(111)_2 \times (11)_2$

### 3) Match the following. $[4\times0.5 = 2]$

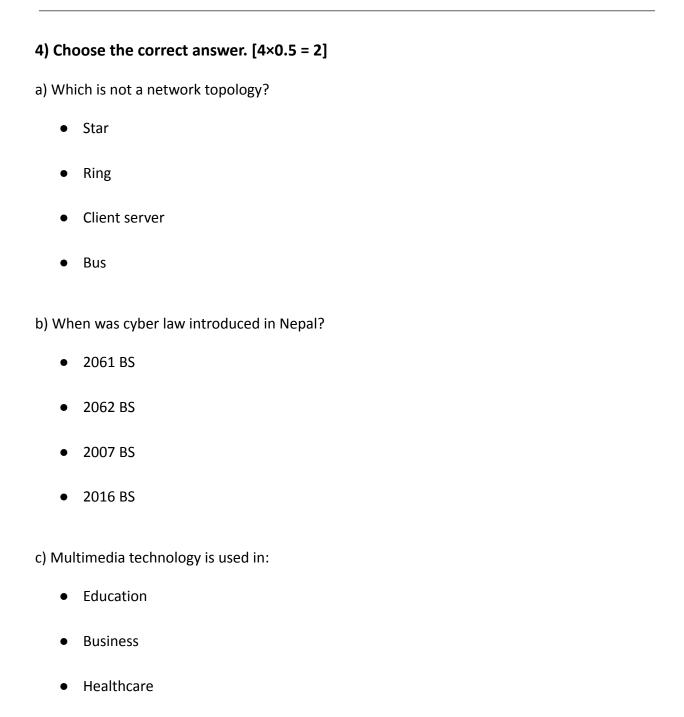
#### Column A Column B

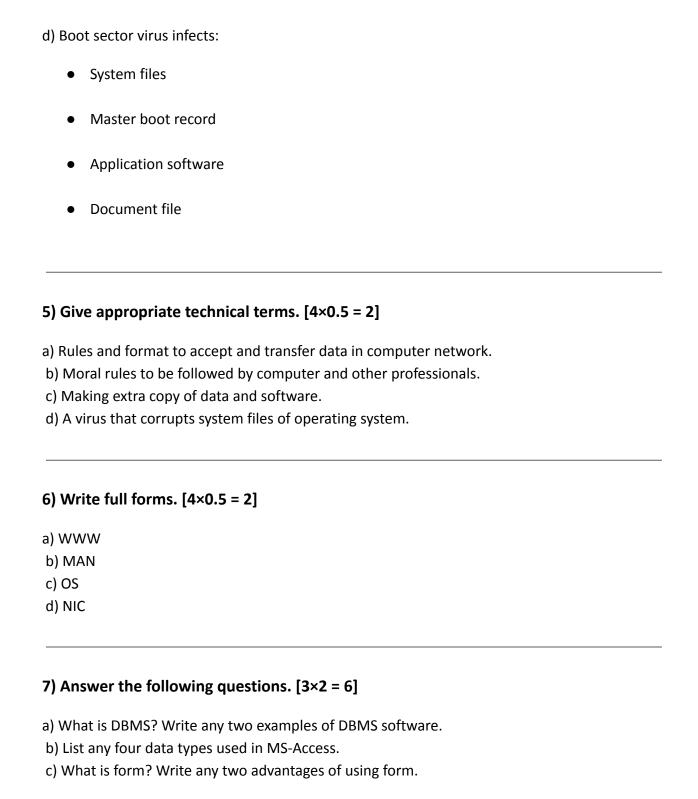
T-connector Network

Bridge Power protection

CD-ROM Co-axial cable

• All of the above





### 8) Select the correct answer. $[4\times0.5 = 2]$

•	4
•	2
•	8
•	16
b) The	extension of database file in MS-Access is:
•	DBF
•	DBM
•	MDB
•	DMB
c) The	object of MS-Access that is used to generate hard copy of records:
•	Query
•	Table
•	Form
•	Report
d) A	. Key uniquely identifies a record.
•	Primary
•	Foreign

a) Date/Time occupies ... Bytes of memory.

- Composite
- None

### 9) Match the following. $[4\times0.5=2]$

Column A Column B

Default value 255 character

FoxPro Column name

Text DBMS

Field Field

properties

Search fast

# **Group C – QBASIC Programming (18 Marks)**

## 10) Answer the following. $[3\times1=3]$

- a) What is modular programming?
- b) Write any two advantages of structured programming.
- c) Write the function of the following statements: FILES, KILL

### 11) Debug the given program. [2]

**DECLARE** 

REM \*fibonacci series\*

CALL SUB fibonacci

**END** 

SUB fibonacci

a=1

```
b=1
FOR x=1 TO 10
DISPLAY a;
a=a+b
b=a+b
END fibonacci
```

### 12) Write the output of the following program. [2]

```
DECLARE SUB series ( )
CALL series
END
SUB series
X=1
Y=1
FOR z=1 TO 4
PRINT x;
Y=Y+1
X=X*10+Y
NEXT z
END SUB
```

## 13) Read the given program and answer the following questions. [2]

```
DECLARE FUNCTION num (n)
INPUT n
S = num (n)
PRINT s
END
FUNCTION num (n)
x = INT(17/n)
y = 15 MOD n
num = x + y
END FUNCTION
```

- a) Write the names of the functions used in the above program.
- b) List out the mathematical (library) function used in the above program.

### 14)

a) Write a program using FUNCTION module to calculate and print the volume of a cylinder.

Formula:  $V = \pi r^2 h$  [3]

- b) Write a program to declare SUB module to calculate and print the volume of a box. [3]
- c) Write a program to create a sequential data file "Employee.dat" to store employee's name, address, age, gender and salary. [3]