

- N.B. :**
- 1) Solve any **THREE** questions form **Q.1 to Q.6.**
 - 2) Solve any **ONE** questions from **Q.7 and Q.8.**
 - 3) **Bracketed figures to the right indicate marks.**
- Q.1**
- A) What is operating system ? What are its functions. **4**
 - B) Explain use of **WHILE – WEND** statement. **3**
 - C) Write a program in **BASIC** to calculate sum of all odd integers in the range of 1 to 1001 **5**
- Q.2**
- A) Give **DOS** commands for each of the following **4**
 - i) To make a subdirectory **STAR** in the subdirectory **WORD** which is a subdirectory of **SAM**.
 - ii) To remove a subdirectory **WORD** in the subdirectory **PAGE**. Which is a subdirectory of **BOOK**.
 - iii) To change from subdirectory **LEAF** back to the root directory.
 - iv) To change to the **DATA** subdirectory which is a subdirectory of **DBASE** subdirectory.
 - B) Explain the use of **CLOSE -** statement in sequential files. **2**
 - C) Write a program to input the name of 5 employees, employee code no. & Basic Salary & calculate **DA @ 8%** of Basic, **HRA @ 15%** of **BASIC** , **CCA @ 9%** of **BASIC**, **Gross Salary = DA + HRA + CCA + Basic salary** and print all the values. **6**
- Q.3**
- A) **Explain the following terms (any two)** **4**
 - i) Time sharing
 - ii) **BATCH** processing
 - iii) **ON LINE (REAL TIME) PROCESSING**
 - B) Explain the following commands. **4**
 - a) **LOAD** b) **RUN** c) **NAME** d) **NILL**
 - C) Write statements in **BASIC** for each of the following : **4**
 - i) To draw a circle with centre at (50,50) A with radius 30 & with color 2.
 - ii) To draw a line joining the point (150, 130) and (90, 100).
 - iii) To display a point (50,60) with color 2.
 - iv) To draw a line joining a pt (20,10) away from the last pt.

- Q.4 A) i) What are Wild cards and Literals ? 2
- ii) Explain the command DIR / P and DIR/W with simple examples. 2
- B) Write output for the programm for the 3
 following values of x = 1.2, 1.5, 3.3
 10 ON x GOTO 40, 60, 80
 40 PRINT "MAT" : GOTO 100
 60 PRINT "CAT" : GOTO 100
 80 PRINT " MAN"
 100 END
- C) Write a BASIC program to input values of N and then -
 Calculate & Print sum of the series 5

$$S = \frac{1}{2} + \frac{2}{3} + \frac{3}{4} + \dots + \frac{N-1}{N}$$
- Q.5 A) Name atleast three external DOS Commands ? Explain it briefly. 4
- B) Explain use of on GOSUB statement giving asutable illustration. 3
- C) Write a Basic program to input a string print the third character three
 characters from the left, 5 rightmost characters and also print the
 string suitable prompt. 5
- Q.6 A) i) Explain the following terms : 2
 a) Root directory b) Subdirectory
 ii) What are the functions of Unix. 2
- B) Explain the use of LINE INPUT # statement. 3
- C) Radius of a circle will be input at the time of program execution write a program
 in BASIC to calculate circumference, diameter and area of a circlce & Print
 your findings. 5
 [Circumference = 2 * PI * R, DIAMETER = 2 * R ; Area = PI * R ^ 2]
- Q.7 A) What is Virus ? What is difference, between biological & computer viruses ?
 and what are the types of viruses. 5
- B) Explain the use of CVI, CVS and CVD functions. 3

C) Write output of each of the following PRINT USING statements 6

- i) 10 PRINT USING "# ## #"; 259, 35.79
- ii) 20 PRINT USING "#, ###. ##"; 159; 1234.567
- iii) 30 PRINT USING "# ## + "; 35, -52.9
- iv) 40 PRINT USING "\ \ / \ "; "SUM"; "Addition"
- v) 50 PRINT USING " !: &"; "Ram", "Jhunjun"; "Shah"
- vi) 60 PRINT USING "/S ####"; 359; 1234

Q.8 A) Write DOS commands for each of the following 4

- i) To delete the file SALARY.Com on drive B.
- ii) To rename of file SALARY.Com as PAY.Com
- iii) To copy combine the files A.DOC & B.DOC & place them in C.DOC.
- iv) To copy the file WINGS.DBF to drive C as WORD.DBF.

B) Explain different forms of OPEN statement with suitable illustrations. 5

C) Create a sequential file "DATA" which contains the following records using WRITE ## statement 5

Name	Salary
A. P. SINGH	15000
B.L. MEHTA	17500
D. M. KRUSHNA	18000
G.N.TODI	17000
