

B.Sc. (Hons.)/II-(NS)
CHEMISTRY-Paper-XII(a)
(Computers and their Applications to Chemistry)
House Examination-2011
Acharya Narendra Dev College

Time: 1Hour

Maximum Marks :25

1. Write the full form of the following:
(i) VDU (ii) MOS (iii) PDF (iv) LCD (v) BASIC
(1x5)

2. Write the DOS command for each of the following:
(i) Viewing all files in drive D page wise
(ii) Copying a file named HELLO from drive C to drive D
(1x2)

3. Explain the following commands
(i) RND (ii) LEN(AS) (iii) DIM A(3,3)
(iv) DEF FNA(x)
(1x4)

4. Write the output of the following program
10 DIM AS\$(6), A(6)
20 FOR I= 1 TO 6
30 READ AS\$(I), A(I)
40 NEXT I
50 FOR I= 6 TO 1 STEP -1
60 PRINT A(I); AS\$(I)
70 NEXT I
80 DATA AJAY, 17, SANJAY, 22, RANI, 23, RAMESH,19, VIBHA, 21, MAYA, 22
90 END
(2)

5. Write the BASIC expression for:
(i) $x^3 + C_a x^2 - (K_a + C_a \cdot K_w)x + K_a K_w$
(ii) $k = \frac{2.303}{t} \ln\left(\frac{a}{a-x}\right)$
(1x2)

6. Distinguish between the following:

(i) Data and information

(ii) Low level language and High level language

(1x2)

7. Indicate the error in the following program. Write the corrected program.

```
10 INPUT N
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20 FOR I = 1 TO N
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```
30 S = 0
```

```
40 P = P* I
```

```
50 S = S+ I
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```
60 NEXT J
```

```
70 PRINT P, S
```

```
80 END
```

(5)

8. Which of the following cannot be used as file name in BASIC. Give reason.

(i) New

(ii) 1Max

(iii) Boltzman1

(iv) add1

(v) hello

(3)