SEE Preparation Examination 2078

Class: 10 **Time: 1:30hrs** **F.M.: 50**
Subject: Computer **P.M.: 20**

Group- A

1. Answer the following questions in one sentence: (6×1=6)
(तलका प्रश्नको छोटकरीमा उत्तर लेखनुहोस)
   a. What is topology? (topology भनेको के हो?)
   b. What is the internet? (internet भनेको के हो ?)
   c. Which data type is used to store the date of birth in MS- Access?
      (MS- Access मा date of birth भण्डारण गर्न प्रयोग हुनी डाटा टाइप)
   d. What is form? (Form भनेको के हो?)
   e. What is E-Governance? (इ- सुशासन भनेको के हो?))
   f. What is encryption? (Encryption भनेको के हो?)

2. Write appropriate technical terms for the following.
(प्राविधिक सब्द लेखनुहोस)   (2×1=2)
   a. The computer on which users run applications.
      (प्रयोकर्ताले अप्लिकेसन संचालन गर्ने कम्प्युटर)
   b. The transaction between government and Business.
      (सरकार र व्यापारिक समुदायविच हुने लेनदेन)

3. Write the full form of the following.(पुरा रुप लेखनुहोस)   (2×1=2)
   a. SMTP b. POP

Group- B

4. Answer the following questions: (तलका प्रश्नको उत्तर लेखनुहोस)
(9×2=18)
   a. Why is e-mail better than traditional mail? Give reasons.
      (किन पारम्परिक मेल भन्दा इमेल राम्रो छ?)
   b. Difference between P2P and client server.
      (P2P र client server को फरक लेख्नुहोस)
   c. What is computer security? Write any two software security measures.
      (computer सुरक्षा भनेको के हो कुनै दुइ साबधानी लेखनुहोस)
   d. What is online payment? Write some names of it.
      (विध्युतीय भुक्तानी भनेको के हो ? उदहारण दिनुहोस)
   e. What is IoT? Write the advantage of it.
      (IoT भनेको के हो? एसको फाइदा लेखनुओस)
   f. What is Primary Key?
      (Primary Key भनेको के हो?)
   g. What are the data types of MS-Access?
      (MS-Access का डाटा टाईप के के हुन्?)
   h. What is form? Write its advantages?
      (form भनेको के हो र **यसका फाइदाहरु लेख्नुहोस् ।**)
   i. What is the query? Write its advantages.
      (Query भनेको के हो ? एसको फाइदाहरु लेखनुहोस)

5. Write the output of the given program. **2]**
(आउटपुट लेख्नुहोस)
```
DECLARE SUB PATT (A$)
CLS
A$ = "NEPAL"
CALL PATT (A$)
END
SUB SHOW (A$)
L = LEN (A$)
FOR I = L TO 1 STEP 1
PRINT LEFT$(A$, I);
NEXT I
END SUB
```

6. Re- Write the programs after correcting the bugs. [2]
(सुद्द गरेर लेखनुहोस)
```
CLS
OPEN "Student.dat" For INPUT As #1
DO WHILE NOT EOF (1)
WRITE #1, name$, Add$, c,r
PRINT "Name is"; name$
PRINT "Address is"; Add$
PRINT " Class is"; c
PRINT "Roll Number is";r
LOOP
CLOSE #2
END
```

7. Study the following program and answer the given questions:**(2×1=2)**
(तलको प्रोग्राम पढेर उत्तर दिनुहोस)

```
DECLARE SUB EXAM (N$)
CLS
N$ = "PREBOARD"
CALL EXAM (N$)
END
SUB EXAM (N$)
B = LEN (N$)
C = 1
WHILE C < B
M$ = MID$ (N$, C, 1)
PRINT M$
C = C+2
WEND
END SUB
```

    a. List the string and numeric variable used in the above program.
       (माथिको प्रोग्राममा प्रयोग भयको numeric र string variable को नाम लेखनुहोस)

    b. What is the value of B in the above program?
       (माथिको प्रोग्राममा B को मान लेख्नुहोस)

Group- C

8. Convert/calculate as per the instruction.(निर्देसन अनुसार बदल्नुहोस) **4**
    a. $(ABC)_{16}$ into binary
    b. $(765)_8$ into decimal
    c. $(110101)_2 \times (110)_2 - (111)$
    d. $(1110100)_2 / (110)_2$

9. a). Write a program using Function……End Function to find the average of three numbers.) **4**
(चार ओटा नम्बरको औसत पत्ता लगाउने प्रोग्राम Function……End Functionमा लेख्नुहोस)
b). Write a program to input a string and count the total number of vowel letters present in the string by using sub-procedure. **4**

(कुनै पनि शब्दमा कति ओटा भवेल लेटर छन् भनि पत्ता लगाउने प्रोग्राम लेख्नुहोस)

c).Write a c Program to input any three numbers and find its largest number. **4**
कुनै तिन ओटा अंकहरु इनपुट गरी त्यसको सबैभन्दा ठुलो अंक पत्ता लगाउने सि प्रोग्राम लेख्नुहोस ।

OR

Write a c program to display following series.
1   4   9   ……..100.
तलको श्रेणी पत्ता लगाउने सि प्रोग्राम लेख्नुहोस ।
१   ४   ९………………१००.

Best of Luck