



NASA National HSS/College  
Tinkune, Kathmandu

Second Term Question Format

**Subject: Computer Science**  
**Grade: XII**

**Time: 2 Hrs**

**F.M.=50**  
**P.M.=18**

**Group – ‘A’**

**Tick the best alternative.**

**[9x1=9]**

**1. Networking**

[Sample Question]

The command to check whether a server computer is ON is?

[a] ring      [b] ping      [c] trace      [d] ipconfig

**2. Function**

[Sample Question]

Given the program below, where is the syntax error?

Line 1:      int Find\_square();

Line 2:      void main()

Line 3:      {

Line 4:              int square = Find\_square(5);

Line 5:      }

[a] Line 1      [b] Line 2      [c] Line 4      [d] No syntax errors.

**3. String**

[Sample Question]

int n; n = strcmp(s1,s2); If s1 and s2 contains the same word, what would be the value of n?

[a] -1      [b] 0      [c] 1      [d] None of the above

[See the YouTube video for the solution: <https://youtu.be/lzHoMsu5t8A>]

**4. Structure**

**5. Pointer**

[Sample Questions]

Let's say int n=1001; int \*p=&n; and address of n and p are 2002 and 3003 respectively. Which of the following statement is incorrect?

[a] printf("%d",&n) gives 2002

[b] printf("%d",p) gives 2002

[c] printf("%d",&p) gives 2002

[d] printf("%d",\*p) gives 1001

[See the YouTube video for the solution: <https://youtu.be/u2LiUMeYi5A>]

**6. File**

**7. Database**

**8. JavaScript**

**9. OOP**

### Group – ‘B’

**Give short answer to the following questions.**

**[5x5=25]**

**1. Structure**

[Sample Question]

Define structure. What advantage does it offer? Explain with an example.

[See the YouTube video for the solution: <https://youtu.be/VTOjbtzLcYE>]

**2. Function/Pointer**

[Sample Question]

What is a library function? Write a program to find how characters are in a word by writing and placing a function in a separate file.

[See the YouTube video for the solution: [https://youtu.be/r-2K\\_qVkn-Y](https://youtu.be/r-2K_qVkn-Y)]

OR

What is a pointer? Write a program to find the area of a rectangle using pointer.

[See the YouTube video for the solution: <https://youtu.be/H6WBoHspSLk>]

**3. File/OOP**

[Sample Question]

See the YouTube video on file: <https://www.youtube.com/@understandtechhere5068>

See file input/output exercises: <https://itwithkr.files.wordpress.com/2022/01/file-io.pdf>

OR

What do you mean by inheritance? Explain with a suitable example.

**4. Database practical**

[See lab exercises 1, 2 and 3]

**5. JavaScript**

[Sample Question]

Write a program in JavaScript to see whether a field in a form is field or not.

### Group ‘C’

**Give long answer to the following questions.**

**[2x8=16]**

**6. Networking**

**7. Database**

