

Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Aug. 2021)

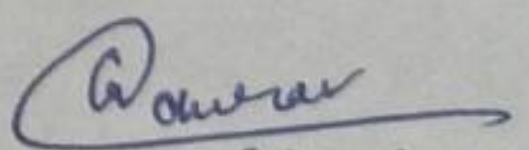
Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

Name: Anurag Shakti Univ. Roll No. 2023053 Student ID 20051058
Date: 27/08/2021 Course: B.Sc. IT Branch: D.Dun Sem.: 2 Section: B
Subject Name: Operating System Practical Subject Code: PBI-202 Page No. 4

Q.1

Soi

```
## include <stdio.h>
## include <conio.h>
## define max 25
void main()
{
    int frag[max], b[max], f[max], i, j, nb, nf, temp;
    static int bf[max], ff[max];
printf("Enter the number of blocks: ");
    printf("\n Memory Management Scheme - Worst fit");
    printf("\n Enter the number of blocks: ");
    scanf("%d", &nb);
    printf("\n Enter the number of files: ");
    scanf("%d", &nf);
    printf("\n Enter the size of blocks:- \n");
    for (i=1; i<=nb; i++)
    {
        printf("Block %d: ", i);
        scanf("%d", &b[i]);
    }
    printf("\n Enter the size of the files:- \n");
    for (i=1; i<=nf; i++)
    {
        printf("File %d: ", i);
        scanf("%d", &f[i]);
    }
    for (i=1; i<=nf; i++);
}
```

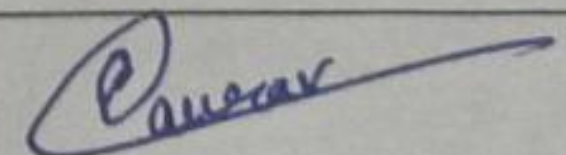

Signature of Student

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(Answer Sheet for Online Examination Aug. 2021)

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

Name: Gaurav Shahi Univ. Roll No. 2023053 Student ID 20051058
Date: 22/08/2021 Course: Bsc. IT Branch: D.Don Sem.: 2 Section: B
Subject Name: Operating System Practical Subject Code: PBI-202 Page No. 2

```
for (j=1; j<=nb; j++)
{
    if (bf[j] != 1)
    {
        temp = b[j] - f[i];
        if (temp >= 0)
        {
            ff[i] = j;
            break;
        }
    }
    frag[i] = temp;
    bf[ff[i]] = 1;
}
printf("\n file-no: \t file-size : \t Block-no : \t Block - size: \t Fragement");
for (i=1; i<=nf; i++)
    printf("\n %d \t %d \t %d \t %d \t %d", i, f[i], ff[i], b[ff[i]], frag[i]);
```



Signature of Student


```
12 printf("Enter the number of files:");
13 scanf("%d",&nf);
14 printf("\nEnter the size of the blocks:-\n");
```

input

Memory Management Scheme - First Fit

Enter the number of blocks:3

Enter the number of files:2

Enter the size of the blocks:-

Block 1:5

Block 2:2

< Block 3:7

Enter the size of the files :-

File 1:1

File 2:4

File_no:	File_size :	Block_no:	Block_size:	Fragement
1	1	1	5	4
2	4	3	7	3

...Program finished with exit code 0

Press ENTER to exit console.