Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Aug. 2021)
Please tick (√) your campus: (DEHRADUN/BHIMTAL/HALDWANI)
Name: Ankit Mishra.... Univ.Roll No. 2023032.... Student ID...20051213.........
Date: 27-08-21 Course: ...B.SC......... Branch: ...I.T... Sem.: 2nd. Section: ..(B.)...
Subject Name: Operating System Practical Subject Code: PBI-202 Page No. (01.)....

Answer No.(02)

Code :-

```c
# include < stdio.h>
int main ( )
{
    printf("\n|t|t|h Memory Management" "" -Worst Fit");
    int i,j, n block[10], files [
    int i,j, nblocks, nfiles, temp, top = 0;
    int frag[10], blocks[10], files [10];
    static int block arr[10], files arr[10];
    printf("\nEnter the Total Number " " of blocks:");
    scanf("%d", & nblocks);

    printf("Enter the Total Number "" of Files;");
    scanf("%d", &nfiles);
    printf("\nEnter the size of the ""Blocks: \n");
    for (i=0; i< nblocks; i++)
    {
        printf("Block No. %d:|t", i+1);
        scanf("%d", & blocks[i]);
    }
    printf("Enter the size of the "" Files:\n");
    for (i=0; i< nfiles; i++)
    {
        printf("Enter the size of the "Files:\n");
        for (i=0; i < nfiles; i++)
    }
}
```

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Date: 27-08-21 Course: ...BSC... Branch: I.T. .... Sem.: 2nd Section: B

Subject Name: Operating Systems .... Subject Code: PBI-202 Page No. 02

```
for (i = 0; i < nfiles; i++)
{
    for (j = 0; j < nblocks; j++)
    {
        if (blocks_arr [j] != 1)
        {
            temp = blocks[j] - files[i];
            if (temp >= 0)
            {
                if (top < temp)
                }
                file_arr[i] = j;
                top = temp;
            }
        }
    }

    frag[i] = top;
    block_arr[ file_arr[i]] = 1;
    top = 0;
}

printf("\nFile Number |t File Size |t "" Block Number |
 t block Size | tFragment");
 for (i=0; i < nfiles; i++)
{
    printf("\n %d |t \t%d |t |t %d |t |t %d", i, files[i]
```

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

Name: Ankit Mishra Univ.Roll No. 2023032 Student ID 20051013

Date: 27-08-21 Course: BSC Branch: I.T. Sem.: 2nd Section: B

Subject Name: Operating System Subject Code: PBI-202 Page No. 3

```
file - arr[i] , blocks [file_arr[i]], frag[i]);
    }
        printf ("\n");

        return 0;

    }
```