

Name :- Vivek Saxena

University Roll No. :- 2023114

(1)

Course :- BSC IT

Section :- 2B.

Type of Paper :- Mock test.

Signature :- Vivek Saxena

Q.1 :- Write a C program - - - - - respectively.

Sol :-

```
#include <stdio.h>
#include <conio.h>
#define max 30
void main()
{
    int i, j, n, bt[max], at[max], wt[max], tat[max],
        temp[max];
    float aurt = 0, atot = 0;
    clrscr();
    printf("Enter the no. of process :");
    scanf("%d", &n);
    printf("Enter the burst time of the process :");
    scanf
    for(i = 0; i < n; i++) {
        scanf("%d", &bt[i]);
    }
    printf("Enter the arrival time of the process");
    for(i = 0; i < n; i++) {
        scanf("%d", &at[i]);
    }
    temp[0] = 0;
```

```
printf("process\t burst time\t arrival time\t waiting time\t  
turn around time\n");
```

```
for(i=0; i<n; i++)
```

```
{ wt[i] = 0;
```

```
tat[i] = 0;
```

```
temp[i+1] = temp[i] + bt[i];
```

```
wt[i] = temp[i] - at[i];
```

```
tat[i] = wt[i] + bt[i];
```

```
awt = awt + wt[i];
```

```
atat = atat + tat[i];
```

```
printf("%d\t %d\t\t %d\t\t %d\t\t %d", i+1, bt[i],  
at[i], wt[i], tat[i]);
```

```
}
```

```
awt = awt/n;
```

```
atat = atat/n;
```

```
printf("Average waiting time = %f\n", awt);
```

```
printf("Average turn around time = %f", atat);
```

```
getch();
```

```
}
```

Darshana