浙江大学 2016 - 2017 学年夏学期

《C程序设计专题》课程期末考试参考答案

课程号: 211Z0050_, 开课学院: <u>计算机学院</u>

考试试卷: √A卷、B卷(请在选定项上打√)

考试形式: √闭、开卷 (请在选定项上打√), 允许带 /入场

考试日期: 2017 年 06 月 29 日, 考试时间: 120 分钟

试题号			三	四	总分	
满分	20	30	30	20		
得分					统分人 1	
阅卷人					统分人 2	

Section 1: Single Choice(2 marks for each item, total 20 marks)

- 1 <u>C</u>
- 2 <u>D</u>
- 3 <u>B</u>
- 4 <u>A</u>
- 5 <u>C</u>

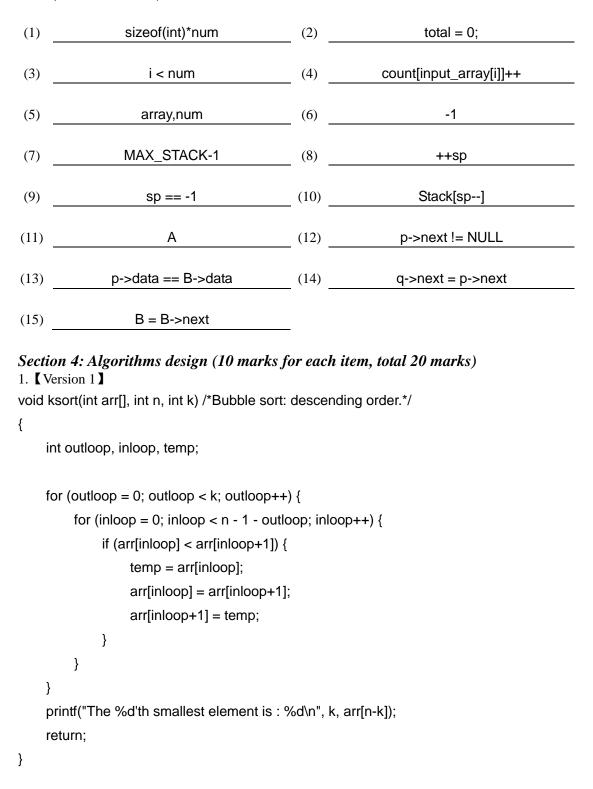
- 6 D
- 7<u>B</u>
- 8 <u>C</u>
- 9 A
- 10 C

Section 2: Read the following problems and answer questions (5 marks for each item, total 30 marks)

- 1. (1) 10 (2) typedef void (*KeyboardEventCallback)(int, int);
- 2. Answer:3
- 3. (1)The input is in the ascending order.
 - (2) O(n)
- 4. _____ 1->3->2->4->5
 - 5. 7#11#13#
- 6. Press mouse's left button down and move mouse to move the circle.

Release the mouse's left button to stop moving the circle.

Section 3: According to the specification, complete each program (2 marks for each blank, total 30 marks)



```
[Version 2]
void ksort(int arr[], int n, int k) /*Selection sort: ascending order.*/
{
     int outloop, inloop, mindex, temp, i;
     for (outloop = 0; outloop < k; outloop++) {
          mindex = outloop;
          for (inloop = outloop+1; inloop < n; inloop++) {
              if (arr[mindex] > arr[inloop]) mindex = inloop;
         }
          if (mindex != outloop) {
              temp = arr[outloop];
              arr[outloop] = arr[mindex];
              arr[mindex] = temp;
          }
     }
     printf("The %d'th smallest element is: %d\n", k, arr[k-1]);
     return;
}
2.
void RecursiveSubsets(int set[], bool flag[], int start, int end)
{
     int i;
     if(start <= end) {
          flag[start] = FALSE; // pick the a[start]
          RecursiveSubsets(set, flag, start+1, end);
          flag[start] = TRUE; // not pick the a[start]
          RecursiveSubsets(set, flag, start+1, end);
     } else {
          printf("{ ");
          for(i = 0; i \le end; i++)
              if (flag[i]) printf("%d ", array[i]);
          printf("}\n");
     }
     return;
}
```