

1 1. What will be the output? Assume the input are 2 and 7 respectively.

```
2  
3 —>int *p;  
4 —>p=(int*)calloc(3*sizeof(int));  
5 —>printf("Enter first number\n");  
6 —>scanf("%d",p);  
7 —>printf("Enter second number\n");  
8 —>scanf("%d",p+2);  
9 —>printf("%d%d",*p,* (p+2));  
10 —>free(p);
```

```
11  
12 —>Options:  
13 —>A. 27  
14 —>B. 29  
15 —>C. Error  
16 —>D. 47
```

17
18 The answer is C

19
20 2. Which of the following header files must necessarily be included to use dynamic memory
21 allocation functions?

```
22  
23 —>Options:  
24 —>A. stdlib.h  
25 —>B. stdio.h  
26 —>C. memory.h  
27 —>D. dos.h
```

28
29 The answer is A

30
31 3. Consider the following three C functions and determine which function is likely to
32 cause problems with pointers.

```
33  
34 —>P1] int *g (void) {  
35 —>—>int x= 10;  
36 —>—>return (&x);  
37 —>}  
38 —>[P2] int *g (void) {  
39 —>—>int * px;  
40 —>—>*px= 10;  
41 —>—>return px;  
42 —>}  
43 —>[P3] int *g (void) {  
44 —>—>int *px;  
45 —>—>px = (int *) malloc (sizeof(int));  
46 —>—>*px= 10;  
47 —>—>return px;  
48 —>}
```

```
49  
50 —>Options:  
51 —>A. only P1  
52 —>B. only P2  
53 —>C. only P3  
54 —>D. P1 and P2  
55 —>E. P1, P2 and P3
```

56
57 The answer is D