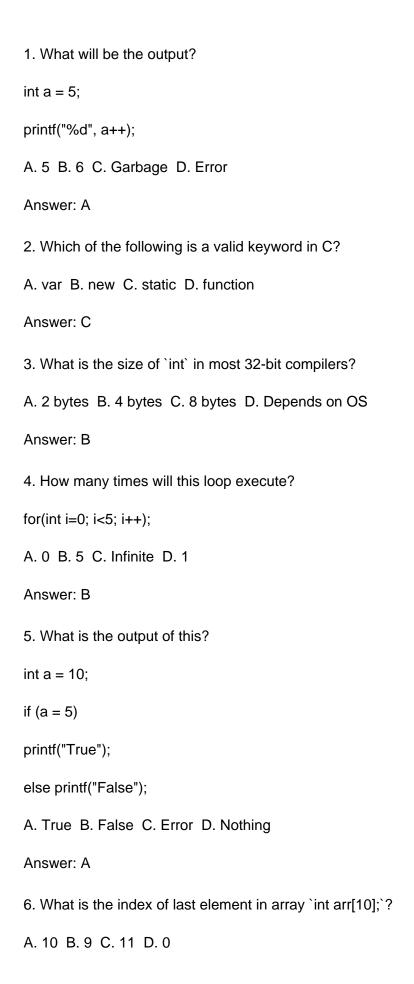
TCS Digital/NQT Programming MCQs - With Answers



```
Answer: B
7. Which function is used to find length of a string in C?
A. strlen() B. length() C. size() D. strlength()
Answer: A
8. What is the output?
int a = 10;
int p = a;
printf("%d", *p);
A. Address of a B. 10 C. Garbage D. Error
Answer: B
9. What does `*` operator do in pointers?
A. Creates pointer B. Allocates memory C. Dereferences pointer D. Copies value
Answer: C
10. What is the output?
int x = 5;
int p = x;
p = 10;
printf("%d", x);
A. 5 B. 10 C. Address D. Error
Answer: B
11. What will be printed?
void fun(int x) {
if(x == 0) return;
printf("%d ", x);
fun(x - 1);
}
```

```
fun(3);
A. 321 B. 123 C. 3210 D. Error
Answer: A
12. Which keyword is used to return control from a function?
A. exit B. stop C. return D. break
Answer: C
13. Which function is used for dynamic memory allocation in C?
A. alloc() B. malloc() C. new() D. free()
Answer: B
14. What does 'free()' function do?
A. Creates memory B. Deletes file C. Releases allocated memory D. Formats memory
Answer: C
15. Time complexity of binary search is:
A. O(n) B. O(\log n) C. O(n \log n) D. O(n^2)
Answer: B
16. Which algorithm has worst-case O(n2)?
A. Merge Sort B. Quick Sort C. Bubble Sort D. Binary Search
Answer: C
17. What is the output?
int x = 5;
printf("%d %d", x++, ++x);
A. 5 6 B. 6 6 C. Undefined D. Error
Answer: C
18. What is the output?
int a = 1;
switch(a) {
```

```
case 1: printf("One");
 default: printf("Default");
}
A. One B. Default C. OneDefault D. Error
Answer: C
19. Output of this?
int a = 10;
printf("%d", sizeof(a++));
A. 10 B. 4 C. Error D. Depends
Answer: B
20. Which header file is required for `printf()`?
A. stdio.h B. stdlib.h C. conio.h D. string.h
Answer: A
21. What is a NULL pointer?
A. Points to 0 B. Undefined C. Garbage D. Random
Answer: A
22. What is a segmentation fault usually caused by?
A. Compiler error B. Infinite loop C. Illegal memory access D. Missing semicolon
Answer: C
```