

RollNo:

Name:

Branch & Section

- 1 What is the output of this C code?

```
void main() { int b = 5 - 4 + 2 * 5; printf("%d", b); }
```

a. 25 b. -5 c. 11 d. None of the above
- 2 What is the output of this C code?

```
void main(){ int b = 5 & 4 & 6; printf("%d", b); }
```

a. 5 b. 6 c. 3 d. 4
- 3 What is the output of this C code?

```
void main() { int b = 5 & 4 | 6; printf("%d", b);}
```

a. 6 b. 4 c. 1 d. 0
- 4 What is the output of this C code?

```
void main(){int b = 5 + 7 * 4 - 9 * (3, 2);printf("%d", b);}
```

a. 6 b. 15 c. 13 d. 21
- 5 What is the output of this C code?

```
void main(){int h = 8; int b = (h++, h++); printf("%d%d\n", b, h);}
```

a. 10 10 b. 10 9 c. 9 10 d. 8 10
- 6 What is the output of this C code?

```
void main(){int a = 5, b = -7, c = 0, d; d = ++a && ++b || ++c;
printf("\n%d%d%d%d", a, b, c, d);}
```

a. 6 -6 0 0 b. 6 -5 0 1 c. -6 -6 0 1 d. 6 -6 0 1
- 7 What is the output of this C code?

```
void main(){int a = -5;int k = (a++, ++a);printf("%d\n", k);}
```

a. -3 b. -5 c. 4 d. Undefined
- 8 What is the output of this C code?

```
int main(){int x = 2; x = x << 1;printf("%d\n", x);}
```

a. 4 b. 1 c. Depends on the Compiler d. None of the above
- 9 What is the output of this C code?

```
int main(){int x = -2;x = x >> 1;printf("%d\n", x);}
```

a. 10 10 b. 10 9 c. 9 10 d. 8 10
- 10 What is the output of this C code?

```
int main(){if (~0 == 1)printf("yes\n");elseprintf("no\n");}
```

a. yes b. no c. Compile Time Error d. Undefined
- 11 What is the output of this C code?

```
int main(){int y = 0;if (1 |(y = 1))printf("y is %d\n", y);
else printf("%d\n", y);}
```

a. y is 1 b. 1 c. Runtime Time Error d. Undefined

12 What is the output of this C code?

```
int main() { int y = 1; if (y & (y = 2)) printf("true %d\n", y);
            else printf("false %d\n", y); }
```

- a. true 2 b. false 2 c. a or b d. true 1

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13 What is the output of this C code?

```
int main(){char *a[2] = {"hello", "hi"}; printf("%d", sizeof(a));
           return 0;}
```

- a. 9 b. 4 c. 8 d. 10

[]

14 What is the output of this C code?

```
int main(){char a[2][6] = {"hello", "hi"}; printf("%s", *a + 1);
           return 0;}
```

- a. hello b. hi c. ello d. ello hi

[]

15 Comment on the following

```
int *a[] = {{1, 2, 3}, {1, 2, 3, 4}}; //- 1    int b[4][4] = {{1, 2, 3}, {1, 2, 3, 4}}; //- 2
```

- a. 1 will work, 2 will not b. 1 and 2 both will work c. 1 won't work
2 will work d. Neither of them will work

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16 What is the output of this C code?

```
int main(){int x = 2, y = 0; int z = (y++) ? y == 1 && x : 0;
           printf("%d\n", z); return 0;}
```

- a. 0 b. 1 c. Undefined behaviour d. Compile Time Error

[]

17 What is the output of this C code?

```
int main(){int x = 1; int y = x == 1 ? getchar() : 2;
           printf("%d\n", y);}
```

- a. Compile Time Error b. Whatever character getchar function returns
c. Ascii value of character getchar function returns d. 2

[]

18 What is the output of this C code?

```
3. int main(){int a = 2; int b = 0; int y = (b == 0) ? a : (a > b) ?
   (b = 1) : a; printf("%d\n", y);}
```

- a. Compile Time Error b. 1 c. 2 d. Undefined behaviour

[]

19 What is the output of this C code?

```
int main(){int y = 1, x = 0; int l = (y++, x++) ? y : x;
           printf("%d\n", l);}
```

- a. 1 b. 2 c. Compile Time Error d. Undefined behaviour

[]

20. What substitution should be made to //-Ref such that ptr1 points to variable C?

```
int main(){int a = 1, b = 2, c = 3; int *ptr1 = &a; int **sptr = &ptr1;
           //-Ref }
```

- a. *sptr = &c; b. **sptr = &c; c. *ptr1 = &c; d. None of the mentioned

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Key

1.C	2. D	3.A	4. B	5. C	6.D
7. A	8.A	9. B	10.B	11.A	12.C
13.C	14.C	15.C	16.A	17.C	18.C
19. A	20.A				