Practice Sheet

**1.**  **cond 1?(cond 2?(cond 3?:exp 1:exp 2):exp 3):exp 4; is**

**equivalent to which of the following?**

**(a) if cond 1**

**exp 1;**

**else if cond 2**

**exp 2;**

**else if cond 3**

**exp 3;**

**else exp 4;**

**(b) if cond 1**

**if cond 2**

**if cond 3**

**exp 1;**

**else exp 2;**

**else exp 3;**

**else exp 4;**

**(c) if cond 1 && cond 2 && cond 3**

**exp 1 |exp 2|exp 3|exp 4;**

**(d) if cond 3**

**exp 1;**

**else if cond 2 exp 2;**

**else if cond 3 exp 3;**

**else exp 4;**

**2. void main(){**

**int x=1;**

**if(x--)**

**printf("Star Wars");**

**printf(" Psycho");**

**else**

**printf("The Shawshank Redemption");**

**}**

**3. if (a == 1||b == 2){} can be written as:**

**a) if (a == 1)**

**if (b == 2){}**

**b) if (a == 1){}**

**if (b == 2){}**

**c) if (a == 1){}**

**else if (b == 2){}**

**d) None of the mentioned**

**4. Which of the following is an invalid if-else statement?**

**a) if (if (a == 1)){}**

**b) if (func1 (a)){}**

**c) if (a){}**

**d) if ((char) a){}**

**5. What is the output of this C code?**

**#include <stdio.h>**

**int main()**

**{**

**int a = 1;**

**if (a--)**

**printf("True");**

**if (a++)**

**printf("False");**

**}**

**a) True**

**b) False**

**c) True False**

**d) No Output**

**6. Comment on the output of this C code?**

**#include <stdio.h>**

**int main()**

**{**

**int a = 1;**

**if (a)**

**printf("All is Well ");**

**printf("I am Well\n");**

**else**

**printf("I am not a River\n");**

**}**

**a) Output will be All is Well I am Well**

**b) Output will be I am Well I am not a River**

**c) Output will be I am Well**

**d) Compile time errors during compilation**

**7. What is the output of this C code?**

**#include <stdio.h>**

**int main()**

**{**

**if (printf("%d", printf(")))**

**printf("We are Happy");**

**else if (printf("1"))**

**printf("We are Sad");**

**}**

**a) 0We are Happy**

**b) 1We are Happy**

**c) 1We are Sad**

**d) Compile time error**

**8. Which of the following cannot be used as LHS of the**

**expression in for (exp1;exp2; exp3) ?**

**a) Variable**

**b) Function**

**c) typedef**

**d) macros**

**9. What is the output of this C code?**

**#include <stdio.h>**

**int main()**

**{**

**int x = 0;**

**if (x == 1)**

**if (x >= 0)**

**printf("true\n");**

**else**

**printf("false\n");**

**}**

**10.void main()**

**{**

**int a;**

**if(a=1 && 0)**

**printf("%d",a);**

**else**

**printf("%d",a);**

**}**

**11.void main()**

**{**

**int a;**

**if(a=0 || 1)**

**printf("%d",a);**

**else**

**printf("%d",a);**

**}**

**12.void main(){**

**if(0)**

**if(1)**

**printf("s1");**

**else**

**printf("s2");**

**printf("s3");**

**}**

**13. void main(){**

**printf("1");**

**goto XYZ;**

**printf("2");**

**XYZ:**

**printf("3");**

**}**

**14.void main() {**

**int x=1;**

**if("%d=hello",x);**

**}**

**15.void main() {**

**int var1=0;int var1=20;char num1=1;char num2=10;**

**if(var1,var2,num1,num2)**

**printf("Computer");**

**}**

**16.void main() {**

**int i=1,j=-1;**

**if((printf("%d",j))<(printf("%d",i)))**

**printf("%d",j,i);**

**else**

**printf("%d",j,i);**

**}**

**17.void main()**

**{**

**if(printf("%c",65)){}**

**}**

**18. void main()**

**{**

**L1:**

**int a=3;**

**printf("%d",a);**

**a--;**

**if(a>1)  goto L1;**

**}**

**19.void main()**

**{**

**printf("JAVA P");**

**if(5>=2==1||1!=2>1)**

**{**

**printf("A");**

**printf("B");**

**}**

**else**

**{**

**printf("X");**

**printf("Y");**

**}**

**printf("C++");**

**}**

**20.void main()**

**{**

**printf("C");**

**if(5)**

**{**

**printf("A");**

**printf("B");**

**}**

**else**

**printf("X");**

**printf("Y");**

**}**

**21.void main()**

**{**

**printf("Hello");**

**if(!1>0)**

**printf("Welcome");**

**else**

**{**

**printf("A");**

**printf("B");**

**}**

**printf("JAVA P");**

**}**

**22.void main()**

**{**

**int a=3;**

**L1: printf("%d",a);**

**a--;**

**if(a>1) goto L1;**

**}**

**23.void main()**

**{**

**int a,b,c,d,max;**

**a=50;b=20;c=40;d=30;**

**if(a>b&&a>c&&a>d)**

**{**

**max=a;**

**}**

**else**

**{**

**if(b>c&&b>d)**

**{**

**max=b;**

**}**

**else**

**{**

**if(c>d)**

**max=c;**

**else**

**max=d;**

**}**

**}**

**printf("Max Value=%d",max);**

**}**

**24.void main()**

**{**

**int x,y,z,min;**

**x=30;**

**y=10;**

**z=20;**

**if(x<y&&x<z)**

**{**

**min=x;**

**}**

**if(y<x&&y<z)**

**{**

**min=y;**

**}**

**if(z<x&&z<y)**

**{**

**min=z;**

**}**

**printf("Min Value=%d",min);**

**}**

**25.void main()**

**{**

**printf("A");**

**if(5>2&&2<5)**

**{**

**printf("B");**

**printf("C");**

**}**

**printf("D");**

**}**

**26.void main()**

**{**

**printf("Hello");**

**if(!5>0>=1)**

**{**

**printf("A");**

**printf("B");**

**}**

**printf("Welcome");**

**}**

**27.void main()**

**{**

**float a=0.7;**

**if(a<=0.7)**

**printf("C");**

**else**

**printf("C++");**

**}**

**28.void main()**

**{**

**float a=0.7;**

**if(a<=0.7f)**

**printf("C");**

**else**

**printf("C++");**

**}**

**29.void main()**

**{**

**int y=17;**

**if(!!y)**

**printf("y=%d",!y);**

**else**

**printf("y=%d",y);**

**}**

**30.void main()**

**{**

**int a=80;**

**if(a++>80)**

**printf("Welcome %d",a);**

**else**

**printf("hello %d",a);**

**}**

**31.int main()**

**{**

**int x=10,y=20;**

**if(!(!x)&&x)**

**{**

**printf(“x=%d”,x);**

**}**

**else**

**{**

**printf(“y=%d”,y);**

**}**

**}**

**32.void main()**

**{**

**char ch;**

**if(ch=printf(“”))**

**{**

**printf(“if block”);**

**}**

**else**

**{**

**printf(“else block”);**

**}**

**}**

**33.int main()**

**{**

**int i=10,j=20,k=30;**

**if(i>=400)**

**j=200; k=300;**

**printf(“%d %d”,i,j,k);**

**}**

**34.void main()**

**{**

**int m=12;**

**float n=12.5;**

**if(m=n)**

**printf("m and n are equal,m=%d n=%f",m,n);**

**else**

**printf("m and n are not equal m=%d,n=%f",m,n);**

**}**

**35.void main()**

**{**

**if('A' <'a')**

**printf("Hello...");**

**else**

**printf("Hi...");**

**}**

**37.**

**38.void main()**

**{**

**int i=1,j=-1;**

**if((printf("%d\n",i))<(printf("%d\n",j)))**

**printf("%d\n",j);**

**printf("%d\n",i);**

**else**

**printf("%d\n",j);**

**}**

**39.main()**

**{**

**if(~0==(unsigned int)-1)**

**printf("Equal");**

**}**

**40.void main()**

**{**

**int var1, var2=2, num=100,a;**

**if(var1=var2%2) num=2;**

**a= 2;**

**printf("%d %d",num,var1);**

**}**

**41.void main()**

**{**

**int y;**

**scanf("%d",&y); /\* input given is 2000 \*/**

**if((y%4==0&&y%100!=0)||(y%100==0))**

**printf("%d is leap year");**

**else**

**printf("%d is not leap year");**

**}**

**42.void main()**

**{**

**int i=4;**

**if(i<7)**

**{**

**i++;**

**continue;**

**}**

**printf("Final value of i is :%d",i);**

**}**

**43.void main()**

**{**

**if(0);**

**printf("hello");**

**printf("bye");**

**}**

**44.void main()**

**{**

**if()**

**printf("hello");**

**printf("bye");**

**}**

**45.void main()**

**{**

**if(23);**

**printf("hello");**

**else**

**printf("bye");**

**}**

**46.void main()**

**{**

**if(23)**

**printf("hello");**

**else;**

**printf("bye");**

**}**

**47.void main()**

**{**

**else**

**printf("hello");**

**}**

**48.void main()**

**{**

**if(printf("hello"));**

**}**