**1. Regarding the scope of the variables, identify the incorrect**

**statement.**

**(a) automatic variables are automatically initialised to 0**

**(b) static variables are are automatically initialised to 0**

**(c) the address of a register variable is not accessible**

**(d) static variables cannot be initialised with any**

**expression**

**2. int r();**

**void main(){**

**for(r();r();r()) {**

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

**}**

**}**

**int r(){**

**int static num=7;**

**return num--;**

**}**

**3. extern int x;**

**void main(){**

**do{**

**do{**

**printf("%o",x);**

**}**

**while(!-2);**

**}**

**while(0);**

**}**

**int x=8;**

**4. Which of the following about automatic variables within a**

**function is correct ?**

**(a) Its type must be declared before using the variable**

**(b) They are local**

**(c) They are not initialised to zero**

**(d) They are global**

**5. void main(){**

**int a=5;**

**static int b=a;**

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

**}**

**6 auto int a=5;**

**void main(){**

**int x;**

**x=~a+a&a+a<<a;**

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

**}**

**7. void main(){**

**register a,b,x;**

**scanf("%d %d",&a,&b);**

**x=a+~b;**

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

**}**

**8. int i=1;**

**void main()**

**{**

**auto int i,j;**

**i=reset();**

**for(j=1;j<=3;j++) {**

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

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

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

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

**}**

**}**

**int reset()**

**{**

**return i;**

**}**

**int next(j)**

**int j;**

**{**

**return j=i++;**

**}**

**int last(j)**

**int j;**

**{**

**static int i=10;**

**return j=j--;**

**}**

**int new (i)**

**int i;**

**{**

**auto int j=10;**

**return i=j+=i;**

**}**

**9. declarations are required at**

**a. compile time**

**b. runtime**

**c. linking time**

**d. loading time**

**10.definitions are required at**

**a. compile time**

**b. runtime**

**c. linking time**

**d. loading time**

**11.void main()**

**{**

**extern int x;**

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

**}**

**int x=10;**

**12.extern int a;**

**extern int a;**

**void main()**

**{**

**extern int a;**

**extern int a;**

**printf("Hello");**

**}**

**13.void main()**

**{**

**extern int i;**

**i=10;**

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

**}**

**14. file name: A.c**

**extern int x;**

**void funA()**

**{**

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

**}**

**file name: B.c**

**extern int y;**

**void funB()**

**{**

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

**}**

**file name: C.c**

**#include "A.c"**

**#include "B.c"**

**int x=1;**

**int y=2;**

**void main()**

**{**

**funA();**

**funB();**

**}**

**15.void main()**

**{**

**extern int i;**

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

**}**

**16.void fun(int\* a,int\* b)**

**{**

**\*a=0;**

**\*b=0;**

**}**

**void main()**

**{**

**auto int a=1;**

**register int b=2;**

**fun(&a,&b);**

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

**}**