Page No. Date: / /	
Assignment -10	
I. Write a function to calculate the area of circle (TSR.	(i
#include < gradio.h>	
int main () int area (int i);	
int area, r;	
printf (" Enter radius of circle");	
Scant (1.8)	
ar = area (r)	
printf "Area of circle V.d ", ar);	
int area (int i)	
<b>\$</b>	-
iat szo;	
S= 22 x( + 1);	
7	
return s;	
}	
	10

Write a brogram of function to calcuste simple interest (ISRS # include LS+dio.h> Sim (intp, intr, intt); Sim (intp, intr, intt) 5 int SI=0; SJ= (p\*x\*+)/100; return St) int main() 1n+ x, y, z, c 20) Printf("Enter principal, Rate, Lime"); Scant("% of od % od %, dy, dz); positif(" The Simple interest is %d", (); ( > Sim(x, g, z), return 0!

Date: / /

3. Write a function to cheek Whether a given Number is even or odd, leturn 1 if the Number is even, otherwise returns TURS #include Lstdio, h> int evod (int n); 14 evod(int n) Tr(n/-2= > 0) return 1; else return 0; int mains 1 11 Smile int s; printf(" Enter a Number (); Scanf(" 4.d,", ds); Szerod(s); printf(" 4.d", S) Leturn 0;

a function to print first N natural Number Terry Wnite 40 Finclude (Stdio. h) nat(intn); Vojd Void nat (hta) for((21)((21); (++) Print (" or, d", i); int main U print (" Enter a Number"); Scant (" %.d ", 4x); met (x);

Write a function to prixt Nodd Natoral Number (TSRN) # include (stdio.h) Wid nat (int on); Vold nat (int n) for((=1) (2=n; (+=2) Print( " "(00," 1); in+ main () Int X; printf(" Enter a Number"); Scarf ("7.d, ",dx); nat(x); retom o:

the factorial of Number 75 RM Write a tunction to Calculate Hindude Cstdio. h> Int fact (int n); Int main() int fact (int n) in+x,9; Printf("Enter a Mumber IN"). Int c, m+ (>1; Scant (" % d ", d x)) for (2); (2); (4+) 1/2 fact (X); print("\*\* x x x x x x x x (n")) C-CAR! mulf " factorial of Number 15 /sal! %d", x,y); return C: Metonn O' Signature.....

(7) white a function to calculate the Number of combination one can make from on items and reselected at the # include 2 Stdio. h> int combi(int n, int r); int tact (int n);
int combi (int n, int r) Int com = 0; return com = fact (n) / (fact (n-x) \* fact(r)); int main() in+ de,c; print("Inter Number of Herr of and Number item Which is selected x") Scanf (" '-d "-d", d'Alle); Sz Combi Ed,e); printf(" # # ## ## # # IN");

printf(" Combination is 1/d", c); seton o int fact (rn n) Pati, c2]; for([2]; 1(2n; (++) Signature.....

(8) Write a tonetion to calculate the Number of arrangements one can Make from n item and r selected at a time (TS RS) # include < Stolo.h> int fact (int n);
int arra (int n, int r);
int and int n, int r) in+ 5=0; return fact (n) / fact (n-r) ] main() 11+ int d, e, c; printf(" Enter Number of Item of and Number Item Which is selected the); Scant ( 1.d 1.d 1.d 1.d 1.de); C2 arng (d,e); printf("The Number of Amagement is = %d", c); Cz arng (d,e); reform or in+ (, (=1) for(121; (cn; (++) C2 CA é' retorn C'

Signature.....

(9) Who of the 18 cl
a like a touchow theek whether a like antains
a given digit or not. (TSRS)
# include <stato.h></stato.h>
int cheek (long int in, ints);
int check (long that n, ints)
3
int (, c;
tos ( l21; ( c2N) (++)
<b>\$</b> (1,0)
C2 n 7.10
? ( ( > 2S)
<b>\</b>
teturn S;
break;
else
C 2 C/10;
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
int mains)
S long int n, P, m;
proht("Enter a Nomber 1h"))
Scant (""/, d", In);
probable " Enter a Mumber Which I don't check intouch
Sant "10d", (P);
mz cheek (not);
Drint(" * * * * * * * * * * * * * * * * * * *
if (f22m)
print(" (antain");
ebe military to the state of th
pnn+(" Not Contain");
Teton O
Signature

