## Page D

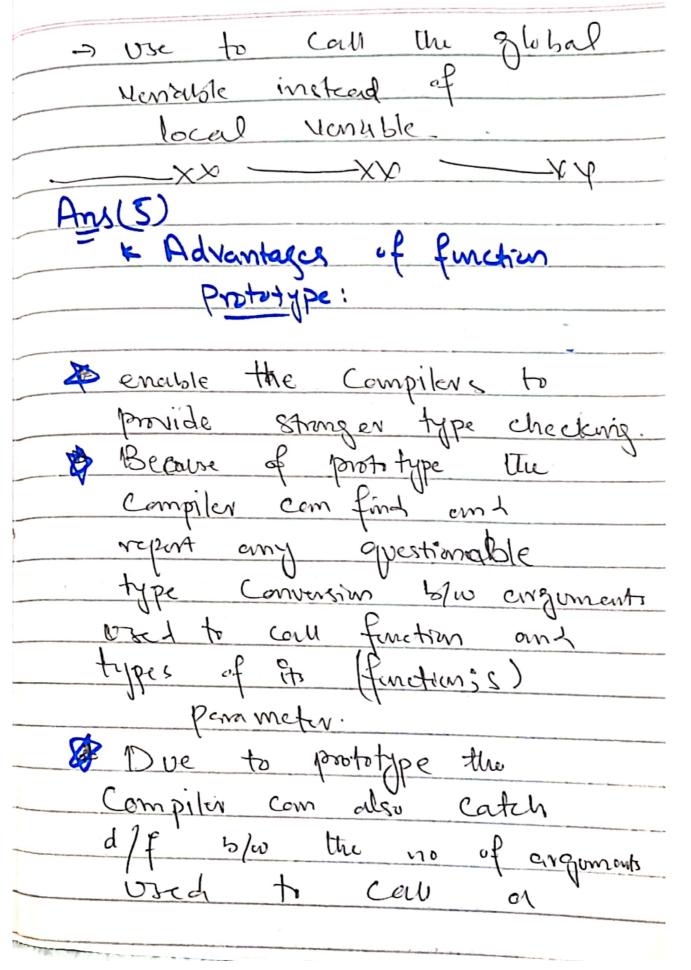
Mame: Reg Mo: Section:	ASHFAQ AHMAD 19PW CSE 1795 B
Paper:	OOP.
xx xx	ツーメメー メメー
Q(1)	
(i) Ams' the S	ize of char
anay is	greater than
no of char	greater than m String, it
is becaute	the length
	on the number
of chow ob	jects, not the
number of	jects, not the unicade character.
In your Cou	es one of
the inicode	characters is
Neurresente da 15	d war
me chan o	Liect (Currorate Paix).
xx x	ject (Surrogate Pair). x — xx
	7, 60

Name ASHFACO AHMAD
Reg NO: 19PWCSE1795:
Page (2)
Ans(3)
Refrence Veriable:
>A refrance remable is a venable
that point to an object
of a given class letting
you access the laws of
an object.
) A réfrence veriable most
Initialize est a time of
decleration.
-) the major Use of
Refrence Viriable in that
Refrence Viviable in that it provide an alias (alternative name) for any
(alternative name) for any
previously defined renable.
For example:
Int Student age = 10;
Int &age = Studentage;
Prefrence umable

## Page 3

Ans(a)
Anc(2) Dynamic Initialization:
Dynamic mitalization mean Initialization of Object refer to initializing the Object at run time.
Initialization of Object refer
to initializing the object
at rine.
Examples
(
Simple_Interest Si (200, 7.5,2);
(Dynamic Initialization).
Ans(4)
Scope regolution operator (::).
Scope Texaconomy Sparrate ().
-> it is used for Several P 1998
reasons.
-) used to define function outside
of class
.) used to access static venille
-) Used to define function outside  -f class  -) used to access static veniche  of class
PTTO





## ASHFACO AHMAD Pey NO PPW USE 1795

function and the no of
parameter in function.
function Prototype help to
function Prototype help to trap bugs before they
ocerve.
Tit both the program is
15 mars
it help to verify That  Program a Morleing Correctly.
Program a Marking Correctly.
10
- xxx
Ans (6)
we will make a function
in when the
function over Smaller that Called
often. In line function run a
little faster there the
numal function.
br x q x o
PPTFO



D/9 b/w Inline function & & the basic difference is that Inline function are parced by the compiler where as, the macros in a progrem our expanded by preprocessor. to the keyword out for inline function. "Inline" while for & macro "#define". & Inline function com define meide on outside of Class. While maero is alway define at the Stanter of mogram. & the Compiler many not Inline and expent all function define inside Class while macro one ales expended.



Can acces the member of
Con acces the member of
the Class where as macro
Con never acces the member
· f Clave
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Ang (8)
The Default argument are
Used when we provide no
argument or only few argument while colling a function the default consument one wed during
argument while coiling
a function the Lefault
argument are used during
Compilation of program.
- xx - xx - x4
Ans (9)
Instron overloading is
having & different finishm
with Same name and
different pegameter list. This
"u Used to porvide mem



many options in term
many options in term of passed perameter.
Ans (lo)
to it allow us ventime
to it allow us runtime
looking up of virtual
finction.
In more Understand way
it allow is to have
untural function in parent
Cher unjon can be
everythen in derived class.
70 — 0x — 0x — 0x
Ans (11)
(a) clan & object:
-> A Clours le a vour définier
data type that we
Use in our profilm, and
it work as an



blue print for creating stopeets.
blue print for (realing Object).
# Stoject one Instances
del class when class is
me no memory is allocated
but when shield is creater
many is orlocated.
moment is object to creater  moment is orlocated.  (a) Data abstraction & Data  Encourse
Encerp Mahm.
I Data oubstruction is a
mechanisan of exposing
only the inferfaces and
hiding the implementation
hiding the implementation detail from over.
7 Det en Cappolation is a
mechanism of bunding thedate
and finchin that the Them
7 Det en Cappolation is a mechanism of bunding thedate and further that the Them — 6x — c
(c) In heratences
ît is me m
which a new class is

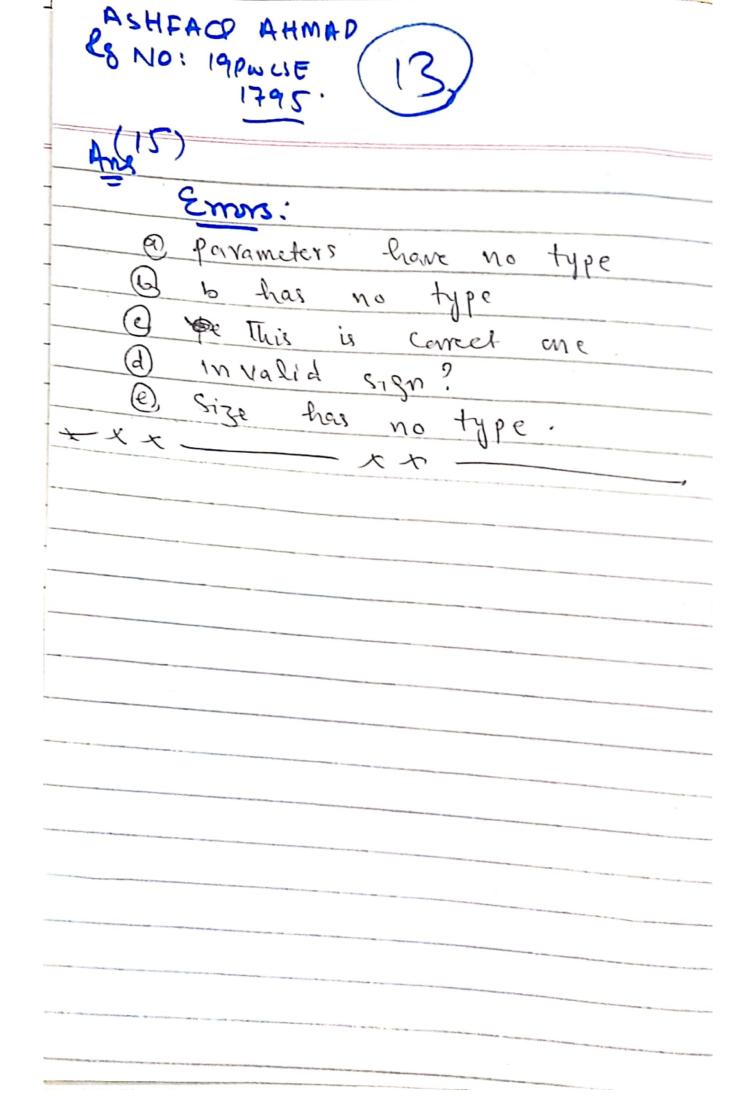


is created that when't the properties of the already exist class. Doly mar phism: porposephism is that in which we can perform a trave in mutiple form way.  $\mathcal{C}_{\mathcal{N}}$ - bin - Kx-Dynamic Binding it is the method of linking a Procedure call to the relavent Code that will Loe exercised only ut nutine. message b/w Objects

Ansla	
# Include L	lostream>
Util Namesas	
Int main ()	•
9	
[] mum triil	= {1,2,3,4,5,6}
Now [1] = = [1]	= {1,2,3,4,1,6}; num? cout << "success:
	" Emoi";
return O;	
ξ.	
J	
× × × × × ×	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Ans (13)	
the follow	y are Ewos in
given Brodin	wh.
Emn	Corect
and the state of t	(Int main ()
	Int $a = 10$ ;
The state of the s	Coul << circle Aven (a)
حد ۱۱،	۷۷ " ،

000 NO1	
Reg NO1 19PWCSE 1795	2)
110	

Ans (14) Emors,	
Ans Char to	Sp = (char b) Vp;
(c) Int & Sp =	,
	( green, Yellow, red);
(e) Const In	
(3) for (int i	=1; i<10; i++)
(out << i <	< "\n";
and the second s	new float [1101];
-xx - xx	- xx - x - xx
Ang (16)	
: srons	Correct:
b float fun ()	of loat fun (float a)
* Yold main ()	sint main ()
d couter (int) fun ()	(out << (int) fon ()
۷۷٬۱۰	<< "\n";
& Cout LC (float) for	& Coutex (float) fun
()<<'';	(10.33) << " /n ; "
· X X	- x L
	V.









# Include Clostrams Ving nomespace Std; Int a [5]; Int discond = 0; for (int i=0; ics; i++) a[i]=0 for (int i=0; i<10; i++) Cort cc "enter data: "; Int Var; Cin >> Var; 18 (NON >0 \$ 88 Var < 6) You = Van - 1; a [van] = a [van]+1; else dis cour of ++;

P + T + 0



_	for (int i=0; i'<5; 2'++)
	Cout cc " event number" << i+1  << " = "<< a[i] << endl;  Corf << " how life " "
-	Cod = "<< a[i] << endl;
-	(1) (1)
-	CUS COND
-	return 0;
-	
-	
-	
-	
and an	
-	
-	
and the same	
-	
-	
A. Comment	
A	
. 1	