## COMPS202F JAVA PROGRAMMING FUNDAMENTALS

## **Examination Answer Book**

Name: Jiawei Wang	Student ID:
<ul> <li>Important Information:</li> <li>(a) the use of this answer book is optional. Wri ID, question numbers and page numbers) if</li> <li>(b) if OLE fails, backup link for question paper</li> <li>(c) upload a copy of your answer book to OLE.</li> </ul>	you are using your own paper. :: http://stlinux.ouhk.edu.hk/~kwlee/s202f.pdf
Question 1 a) Corrections	
O remove the "<"> after	the QIPort A
① remove the "<"> after ② main (Double [] args) =>	nain (String II args).
) Public class Camera f	
private String brand;	
private double price;	
Question 2	
a) the correct value is $(-1) \cdot (-2) \cdot (-3) =$	-6
the value of the above method is:	
Corrections;	
O jor (int i=from; i<-3; i++) =	for Cint i= from; i>=-3;i).

Qu	es	tie	on	3

public double Set Diameter (double d)	{
diameter = d;	
return diameter;	Y
3	
public double getPionneter () {	
teturn diameter;	
}	
) public Circle (double d) {	
diameter = d;	
3	
the output is:	
the output is:	
the output is: 20, 100	

	System.out.println ("Input diameter:");	2
100	double d = input.nextDouble();	14
	while ( d >=0 ) {	42
	diameter = d;	
	3	
	return diameter;	
W <sup>2</sup>		
publi	ic String contegory (double diameter) {	
	String Small = "Small";	
	String Meidium = "Meidium";	The s
,	String Large = "Large";	
, 5 <sub>1</sub> , , ;	J ,	-37 a
	it (diameter < 20) {	
	return Small;	
	3 else if (diameter >= 60) {	
7 -	return Large;	
	3 else 8	
	return Meidium;	
R i	}	
		7
(e. 1.		

Question 5		
(a) output:		
1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-1		
0		
0		
b), the purpose is that by call the compare To()m	nethod, to find the	difference
between the larger string and smaller string wit	th argument string.	<u></u>
Question 6		
public void print ( int width ).		
$\frac{1}{2}$ int of $\frac{1}{2}$ with $\frac{1}{2}$ ;		
for (int i=0; i≤ width; itt).		
{		
Jor (int j=0; j <i; j++)="" td="" {<=""><td></td><td></td></i;>		
System.out. print ("');		
}		
system.ont.print('n');		
, it (i> midth) {		
joi (int k=width=2; k>=width; k==2).		
System.out:print ();		
}	8	
else { system.out.print('a); }		
}		
}	-	

(a) ID: S1239587 surnameJamei
ontput:
4: Jinwei
587年.
(b). Public double (ArrayList < Integer > num List )
{ double sum = 0; int t= 0;
for (zint it; num list) f
if (i<40) { sum t=i; t+t }.
3
double arg = sum/i;
return arg;
<b>?</b> ,
Question 8
public Set < Item > heary Items (Item I I item, double threshold) {
Set Answer = new Hashset < Item>C).
for (Item I : item ) f
if (item. weight > threshold) {
Answer add (item);
3.
}
return Answer

	import jara.util.HoshSet;
c	Set < CPU > low Price CPU (double bound) {.
	Set < cpu > Answer = new HoshSet < CPU > ();
	for (CPU p: cpulist) {
	if (P.getPrice() < bound) f Answer. add(P);
	Answer. add (P);
	}
B	
	return Answer;
}	
· ·	
10 2	
_	
_	
-	
-	
_	
_	

(a)

public String rotate (String str, int k)
for (char C: Str)'s
int $i = c$ ; String $S = "";$
if (1>120) {
i= i-24;
] else {
i+= 2 j
3
char ch = i;
S += oh;
3
refirm $S$ ;
<u>}</u> ,