***IQRA NATIONAL UNIVERSITY, KPK, PESHAWAR, PAKISTAN***

***Final Term Exam. paper Semester(1)***

***Business Mathematics Max Time: 6:00Hrs. (Part –I Time: 2 Hrs) Marks: 10***

***Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Section: \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Note: Attempt all questions.***

***Question No.1 10***

i The solutions of  are (a)  (b)  (c)  (d) only (e) None of them 

ii The equation shows (a)Linear cost function (b) Linear profit function (c) Linear revenue function (d) None of them

iii The sum of two numbers is 40 and difference is 20 then the numbers are = (a) (33,10) (b) (30,10) (c) (60,30) (d) 53 (e)None of them

iv 

(a)  (b) 10 (c) 11.2(d) 41(e) None of them

v A stair make an angle of inclination  with the horizontal then its slope is

(a) ( b )  (c)  (d) None of them

vi If  and then  is

(a)  ( b )  (c)  (d) (e) ) None of them

vii The domain of a curve is (a)  ( b )  (c)  (d)  (e) None of them

viii  (a) 36 (b) -4 (c) 4 (d) 0 (e) None of them

ix A painter can paint 200 wall in 10 hours. Then the time required to paint 2000  wall will be .

is (a) 60 hours(b) 90 hours (c) 30 hours (d) 50 hours (e) None of them

x If  of cost price  is equal to 50% of sale price then the sale price will be

(a)  (b)  (c)  (d) None of Them

***IQRA NATIONAL UNIVERSITY, KPK, PESHAWAR, PAKISTAN***

***Final Term paper Semester (1) (BBA)***

***Business Mathematics Max Time: 6:00 Hrs (Part –II Time: 4 Hrs) Marks: 40***

***Note: Attempt all questions.***

***Question No.2 10***

1. The sum of the ages of a girl and her brother is 20 years. Two years ago her age was three times the age of her brother. Find the present age of girl and her brother.
2. Cost price = $12

Markup = $7.20

Find markup percent on cost, also find Selling price

***Question No.3 10***

*a. Simplify by using exponential laws* 

*b. Find the value of x by using logarithmic laws* 

***Question No.4 10***

If

U= the set of odd numbers less than 25,

A=the set of numbers divisible by 3 less than 19,

B= the set of numbers divisible by 5 or 10 less than 15,

C= the set of numbers which are multiples of 3 and less than 21,

then find the following

1. *Show that* *and b.* 

***Question No.5 10***

1. List price = $150

Trade discount = 20%, Find the net cost.

1. Solve the following simultaneous for x and y

