Paper Mathematics (General)

FAISALABAD BOARD Class 9th 2013

Total Marks: 15 Objective Type(Group I) Time: 20 Min

	:- You have four choices for each ob think is correct; fill that circle in fre circles. Cutting or filling two or more	ont of that question	number. Use	e marker or p	en to fill the
S#		A	В	C	D
1	In ratio a : b, a is called.	Extreme	Antecedents	Consequent	Mean

S#	Questions	A	В	C	D
1	In ratio a : b, a is called.	Extreme	Antecedents	Consequent	Mean
2	0.13 as percentage is.	1013	30	13%	10%
		-		1 1	1.1

If there is one daughter and agnatic grand- $\frac{1}{2}, \frac{1}{3}$ $\frac{1}{2}, \frac{1}{4}$ 3

daughters, their share are respectively.

Money that must be paid to the state charged

as proportion of income and profit added to

The excise duty at the rate of 150%, one has to

If $R = \{(4,5),(5,4),(5,6),(6,4)\}$, then domain

If $f(x) = \frac{x}{2}, 4 \le x \le 12$, x is a multiple of

The summary statistics which meausres

(iii) Convert $\frac{4}{25}$ into percent format.

(ix) How many types of bank account?

Write short answers of any SIX parts.

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(vii) Define arithmetic mean and give its formula.

a widow and two sons. Workout the share of each.

(iii) If $A = \{1,4,7,8\}$ and $C = \{3,4,5,7\}$, then find $A \cap C$.

the middle (or center) of the data is called.

Write short answers of any SIX parts.

cost of some goods and services is called.

pay against an amount of Rs. 300000 is.

A.M between $2\sqrt{5}$ and $6\sqrt{5}$ is

For 2,6,11,17,..... a₅ is

'2' the range of f(x) is.

Define the percent.

Define premium.

(ix) Find G.M. between 9 and 5.

(ix) What are quartiles?

Find the marked price.

years and 4 months?

 $(A \cup B)^c = A^c \cap B^c$

Zakat on an amount of Rs. 200000 is.

4

5

6

7

8

9

10

11

12

13

15

3.

5.

6.

of R is.

Marks : 60

resources?

(v) Solve:

CP = ?

named as

insurance is called.

In $\sqrt{3}$, 3 is called.

500

 $100 \times SP$

100 + Pr ofit%

Tax

4500

Radical

415

22

{4,6}

{4,6,8,10,12}

Mean

☆ Subjective (Part-I)☆

(v) What is the rate of Ushr or agricultural produce obtain from natural and artificial

(iii) A sales tax of 16% imposed on television. If the marked price of the television is Rs.

(iv) Write coordinates of origin. (v) What is difference between abscissa and ordinate?

☆ Subjective (Part-II) ☆ Attempet any Three Questions. Each question has $(8 \times 3 = 24)$ marks.

(a) An article is sold for Rs. 1000 after allowing a discount of 7% on the marked price.

(viii) Give formula for standard deviation for grouped and ungrouped data.

18000, calculate the total amount one has to pay, if the wants to purchase it.

(iv) What is difference between characteristics and mantissa?

Excise duty

45000

Radicand

315

21

{4,5}

{2,3,4,5,6}

Mode

(ii) Express the $\frac{3}{4}$ as percentage.

(iv) What do you mean by Ushr?

5000

Loss-SP

2500

MP+Discount

Property

tax

450000

Integer

5/5

30

 $\{4,5,6\}$

{3,4,5}

Median

25000

100 × Discount

MP

Income tax

14500

Natural

number

 $7\sqrt{5}$

24

 $\{5,6\}$

{3,4,5,6}

All of these

Time: 02:45

 $(6 \times 2 = 12)$

 $(6 \times 2 = 12)$

 $(6 \times 2 = 12)$

- (vi) What do you mean by inheritance? (vii) Define profit and loss. (viii) Find the selling price if cost price is Rs. 1540 and loss is 5%.
- (ii) The price of a tricylce is Rs. 4000. If 16% sales tax is charged then calcualte the amount of sales tax on 30 such tricycles.
- (vi) Simplify the $2ab^{\frac{1}{3}} \times 3a^{\frac{3}{5}}b^{\frac{4}{5}}$ (vii)What is meant by arithmetic mean? (viii) Write the first three terms of $an = \frac{1}{(2n-1)^2}$
- (i) What is bijective function? (ii) If $A = \{-2,1,4\}$ then write two binary relations in A.
- (vi) Write coordinates of the point lying on y-axis 4 units above x-axis.
- (a) If 82% of the houses have television. What percentage do not have? (b) The inherited property amounting to Rs. 2000000 is left by a deceased. He left behind
- (b) At what annual rate of profit would a sum of Rs. 680 will increase to Rs. 850 in 3
- (a) If gross pay of a person is Rs. 45000 then calcualte his net take home salary after
- deduction of Rs. 400 as income tax, Rs. 1200 as benevolent fund, Rs. 1500 as G.P. Fund and Rs. 400 as group insurance.
- (b) Evaluate using logarithmic table. $\frac{(25.36)^2 \times 0.4569}{847.5}$ (a) If the A.M. between a and 10 is 40, then find the value of a. (b) If $U = \{1,2,3,4,5,6,7,8,9\}$, $A = \{2,3,6,9\}$ and $B = \{1,3,6,7,8\}$, then verify.

If $f(x) = \frac{x}{2}$, $4 \le x \le 12$, and x is a multiple of 2, then find the domain and range of f(x).

(b) The total monthly income of 8 persons are Rs. 3000, Rs. 4000, Rs 3500, Rs. 3800, Rs.

4500, Rs. 4200, Rs. 3600 and Rs. 5400. Find their arithmetic mean.