Paper: _Maths_____

Month Test: _November_____

Theme/Unit: __1 - 12_____

Subjective:

Name: _____

ID: _____

class: ___8th_____

Total Marks: _52_____

Obt. Marks: _____

Grand Total: __100_____

Time: _____

Section: _____

Q. No. 2: a)   Table   oral   /5

b):   If   U = { 1, 2, 3, 4, 5, 6, 7},   A = {1, 3, 5, 7},   B = {2, 4, 6, 7}

then show that $(A \cap B)^c = A^c \cup B^c$

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c):   The area of square shaped park is 14161 m$^{2.}$ Find length A side of the park.   /3

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Q. No. 2:a)   Evaluate and express answer into decimal number system.   /5

$(4213)_5$ - $\{225 + (1011)_2\}$

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b): A man left Rs. 780000 as inheritance. His heirs are a widow, two daughters and a son. Find the share of each in inheritance according to the Islamic rule.   /5

Q. No. 3: a): Eliminate x from $x + \dfrac{1}{x} = l$ **and** $x^3 + \dfrac{1}{x^3} = m^3$ **/4**

b): The price of a book and 3 pencils is Rs. 95 while price of 3 such books and 1 pencil is Rs. 165. Find price of 1 book and one pencil?   /3

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c): Find two solution for 2x + y = 9   /3

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Q. No. 4:a): Construct a Rhombus ABCD mAB = 4cm and mAC = 6cm.   /5

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b): Prove that if two lines intersect each other, then the opposite vertical angles are congruent.   /5

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Q. No. 5: a): Evaluate sin60° × Cos30° _ Cos60° × Sin30°   **/3**

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b): Find area of triangle by Hero's Formula If its sides are 5cm, 6cm and 7cm.   **/3**

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c): Find mean: **/4**

Class interval	1 – 5	6 – 10	11 – 15	16 – 20	21 – 25
Frequency	1	2	3	2	2

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