MOCK TEST PAPER

DOON SCHOOL - MATHEMATICS

TIME ALLOWED: 1 HOUR MAX MARKS 100

GENERAL INSTRUCTIONS

- 1. All questions are compulsory.
- 2. This paper consists of 24 questions divided into three SECTIONS A, B AND C.
- 3. SECTION A contains 10 questions of 1 mark each, SECTION B contains 10 questions of 5 marks each and SECT C contains 4 questions of 10 marks each.
- 4. Use of a calculator is not permitted.
- 5. Please use geometry scales and a compass for construction.

TOPIC	MAX MARKS	MARKS OBTAINED
SECTION A . MULTIPLE CHOICE QUESTIONS		
	<u>6</u>	
SECTION B . ALGEBRAIC EXPRESSION	2	
B.1 SIMPLIFICATION OF ALGEBRA	2	
B.2 FORMULA MAKING	<u>6</u>	
	11	
SECTION C . LINEAR EQUATION	5	
C.1 SIMPLICATION BY SUBSTITUTION	5	
C.2 STETEMENTS QUESTION	5	

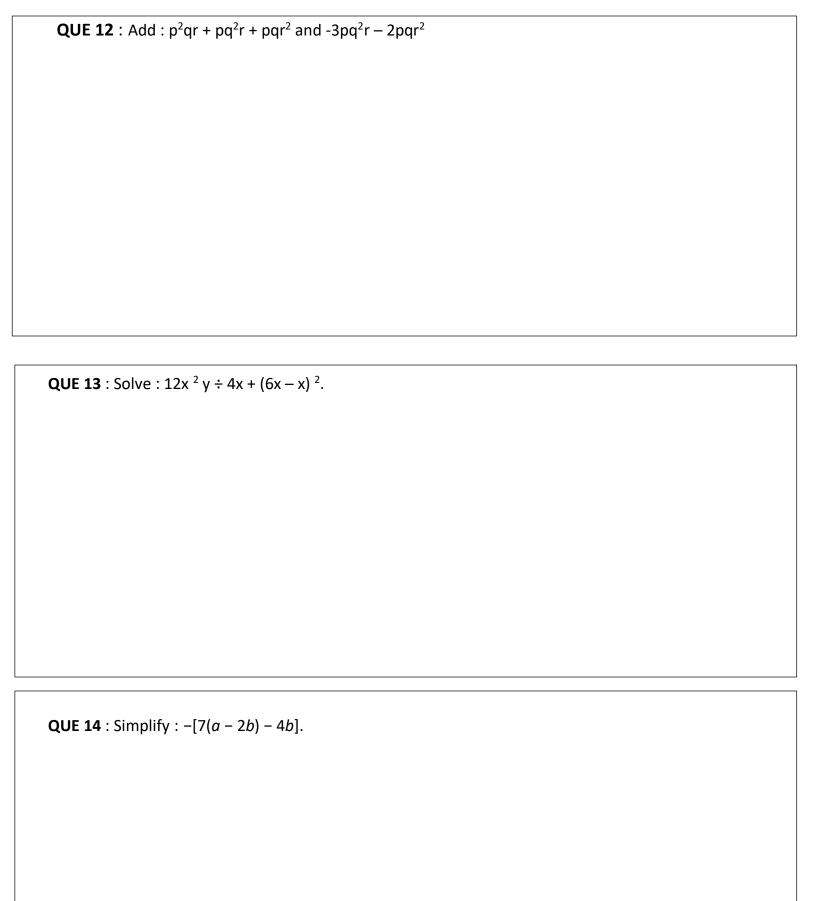
SECTION A: MULTIPLE CHOICE QUESTIONS (1 MARKS EACH)

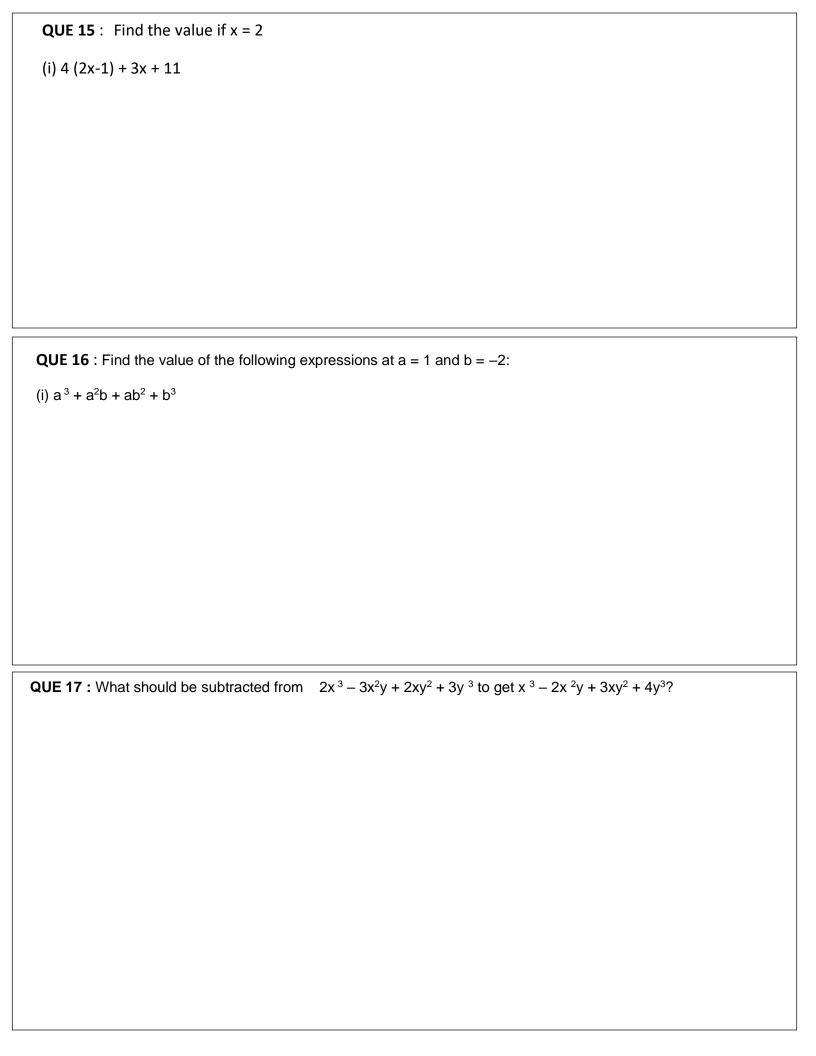
Q1: Identify the coefficient of x in expression 8-x+y					
(a) 0	(b) 8	(c) -1	(d) 1		
Q2: The number of terms in 4p2q -3pq2+5 is					
(a) 7	(b) 3	(c) 1	(d) 4		
Q3: The expression for sum of numbers a and b subtracted from their product is					
(a) a+b –ab	(b) ab-a+b	(c) ab-(a+b)	(d) ab + a - b.		

Q4: The number of terms in the expression 1.2ab – 2.4 b + 3.6a is						
(a)1.2	(b) -2.4	(c) 3.6a	(d) 3			
Q5: The expression x +y - xy is						
(a) Monomial	(b) Binomial	(c) Trinomial	(d) Quadrinomial			
Q6: The expression xyz	İS					
(a) Monomial	(b) Binomial	(c) Trinomial	(d) Zero polynomial			
Q7: Subtract a –b from a+b the result is						
(a) 2a+2b	(b) 2a	(c) 2b	(d) 2a-2b			
Q8 : Subtracting -5y2 from y2 ,the result is						
(a) -4y2	(b) 6y2	(c) 4 y2	(d) -6 y2			
Q9 : The value of expression $5n - 2$, when $n = -2$ is						
(a) -12	(b) 8	(c) 1	(d) -8			
Q10 : Factors of the term $15x^2$ in the expression $15x^2$ -13x are						
(a) 15,x,x	(b) 15, -13	(c) 15x ² ,-13x	(d)15			

SECTION B: SHORT ANSWER TYPE QUESTION (5 MARKS EACH)

QUE 11 : : Solve : (34m³n² – 51m²n³) ÷ 17mn

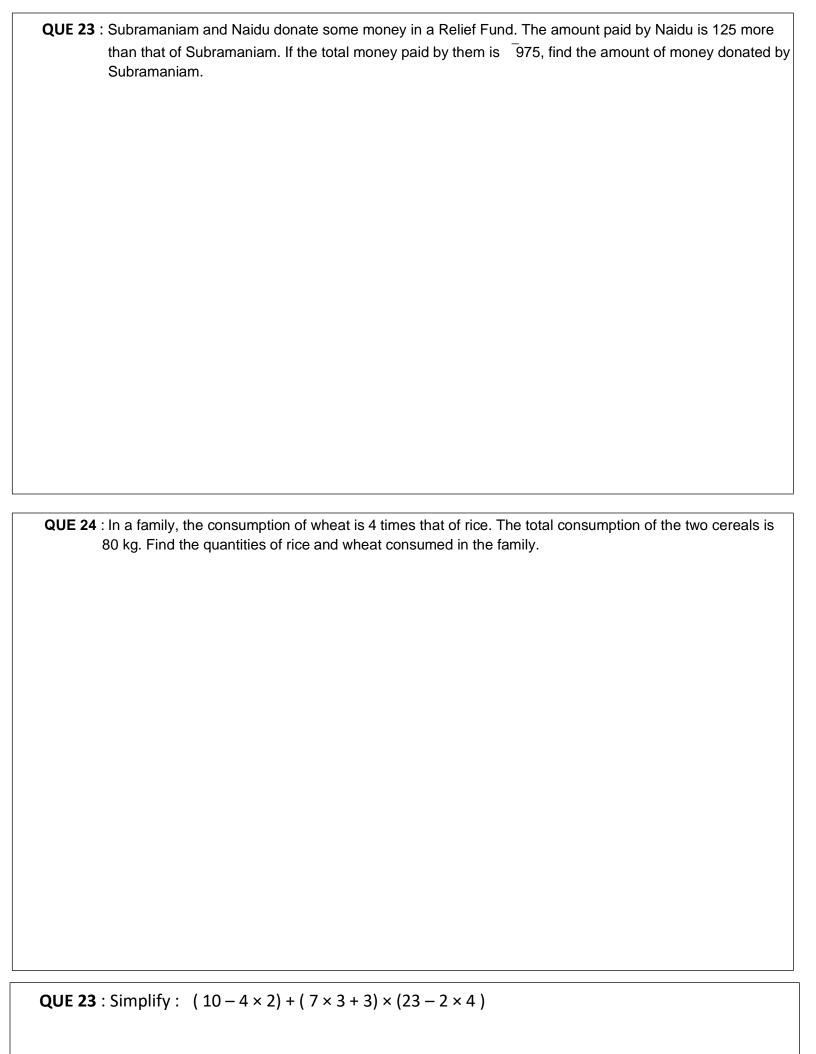




QUE 18: Make formula: A number is 7 more than one-third of itself.
QUE 19: Make formula: Seven times a number is 12 less than thirteen times the same number.
QUE 20: Make formula: The sum of twice a number and 4 is 18 less than thrice that number.

SECTION C : LONG ANSWER TYPE QUESTION (10 MARKS EACH):

QUE 21: The age of Sohan Lal is four times that of his son Amit. If the difference of their ages is 27 years, find the age of Amit.
QUE 22: The interest received by Karim is 30 more than that of Ramesh. If the total interest received by them is 70, find the interest received by Ramesh.
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Que 24: A spring is 30cm long and extends by 5cm for each 100gm weight hung on it . (a) What is the spring length when 300gm is hung from it? (b) What is the spring length when n 100gm weights are hung from it? (c) What is the spring length when n = 4	