INDIAN SCHOOL MUSCAT – MIDDLE SECTION – SUMMATIVE ASSESSMENT:01 (2016 – 17)

CLASS :07 SUBJECT :MATHEMATICS (RETEST SA1) DATE:06.10.2016 TIME:2HRS

MAX.MARKS:60 INSTRUCTION: ANSWER ALL THE QUESTIONS ON SEPARATE ANSWER SHEET

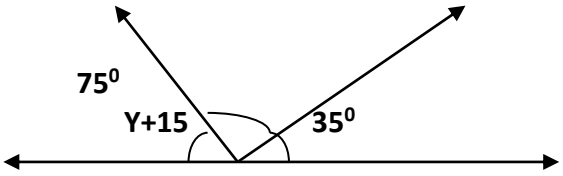
Q.NO:01

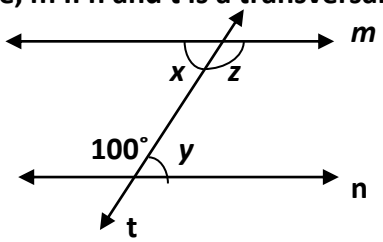
S.NO	MCQ ('1' MARK EACH)
(a)	$(14)^0+(13)^1$=_____ a)0 b)13 c)14 d)2
(b)	2.19×0.001=_____ a)0.0219 b)0.219 c)0.00219 d)0.0000219
(c)	8.4 m in kilometer is _____ km a) 0.84 b) 0.0084 c) 84 d) 840
(d)	The standard form of $\frac{-6}{-15}$ is _____. a) $\frac{3}{5}$ b) $\frac{-2}{-5}$ c) $\frac{6}{15}$ d) $\frac{2}{5}$
(e)	(–1) ×(–9)×(–7)=_____ a)15 b) –15 c)63 d) – 63
(f)	Compliment of 30^0 is _____ a) 60^0 b) 90^0 c) 70^0 d) 120^0
(g)	$\frac{2}{3} \div \frac{1}{15}$ = _____ . a) 10 b) $\frac{2}{3}$ c) $\frac{6}{15}$ d) $\frac{2}{5}$

S.NO	FILL IN THE BLANKS ('1' MARK EACH)
(h)	The value of m if $\frac{-4}{9} = \frac{12}{m}$ is _____
(i)	20+1.67=_____
(j)	15Kg350 g = _____Kg.
(k)	$(3)^4$ = _____.
(l)	The angle which is equal to its complement is _____
(m)	The standard form of 0.0004567 is _____.
(n)	32 ÷ (–4) = _____.

S.NO	Q.NO ('2' TO '12' – '2' MARKS EACH)
2	Subtract $\frac{7}{5}$ from $1\frac{5}{6}$
3	Divide 40.59 by 0.9

(PTO)

S.NO	Q.NO ('2' TO '12' – '2' MARKS EACH)
4	A car can cover a distance of 15.45 km in 1 litre of petrol. Find the distance that can be covered in 7 litres of petrol.
5	Find the value of y from the given figure. 
6	If the length of one side of a square is $3\frac{1}{2}$ cm, find its perimeter.
7	Find the sum of 1.090 kg, 450 g and 600 mg in grams.
8	If $9^{25} \div 9^5 = 9^{4k}$ then find the value of k.
9	Subtract the sum of (- 234) and 171 from 235.
10	Represent $\frac{-3}{4}$ on the number line.
11	Evaluate using laws of exponents: $(2^5 \times 2^{-4}) + (2^{-3} \div 2^{-5})$.
12	Find the supplement and complement of the angle 75^0.

S.NO	Q.NO ('13' TO '20' – '3' MARKS EACH)
13	The product of two fractions is $15\frac{3}{4}$. If one fraction is $4\frac{1}{2}$, find the other fraction.
14	A tank contains 162.5 litres of oil. How many containers of 12.5 litres can be filled completely from the tank?
15	Write four rational numbers between $\frac{-1}{3}$ and $\frac{-1}{4}$
16	Evaluate : 21 + 10 ÷ { (—20) ÷10 — 8}
17	In the following figure, m II n and t is a transversal. Find the value of the angles x and y and z. 
18	Simplify: $\left[\left(\frac{1}{2}\right)^{-1} + \left(\frac{1}{5}\right)^{-2} - \left(\frac{1}{4}\right)^{-2}\right]^2$
19	Find by using suitable properties (- 56)×143 +(-56)×57
20	Anupama studies $2\frac{1}{2}$ hours in the morning and $3\frac{1}{6}$ hours in the evening. Find the total time that she spent for studies on a day.