

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



CLASS :07

SUBJECT :MATHEMATICS

DATE: 27.09.2016

TIME:2 HRS



MAX.MARKS:60

INSTRUCTION: ANSWER ALL THE QUESTIONS ON SEPARATE ANSWER SHEET

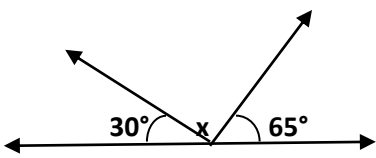
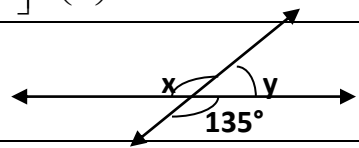
Q.NO:01

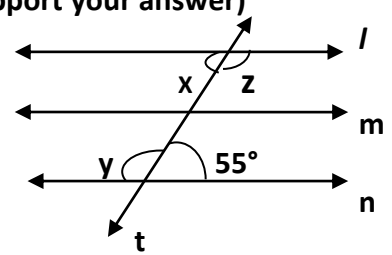
S.NO	MCQ ('1' MARK EACH)
(a)	The reciprocal of $\left(\frac{5}{3} + \frac{1}{3}\right)$ is _____ a) 2 b) - 2 c) $\frac{1}{2}$ d) $-\frac{1}{2}$
(b)	$12.58 \times \underline{\hspace{2cm}} = 1258$ (a) 10 (b) 100 (c) 0.1 (d) 0.01
(c)	$3465 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ (a) 346.5 (b) 3.465 (c) 34.65 (d) 0.3465
(d)	The standard form of $-\frac{35}{-42}$ is _____ a) $\frac{35}{42}$ b) $-\frac{5}{6}$ c) $-\frac{6}{5}$ d) $-\frac{5}{-6}$
(e)	$-72 \div (-8) = \underline{\hspace{2cm}}$ (a) 9 (b) -9 (c) 12 (d) -12
(f)	The complementary angle of 55° is _____ a) 35° b) 125° c) 45° d) 25°
(g)	$(2^3)^0 = \underline{\hspace{2cm}}$ a) 0 b) 1 c) 8 d) 6

S.NO	FILL IN THE BLANKS ('1' MARK EACH)
(h)	$3 \div \frac{1}{6} \underline{\hspace{2cm}}$
(i)	$5.6 \div 0.01 \underline{\hspace{2cm}}$
(j)	$4\text{m } 20\text{cm} = \underline{\hspace{2cm}} \text{ m.}$
(k)	$(5) \times (-3) \times (-2) \times (-10) = \underline{\hspace{2cm}}$
(l)	If one of the angles in a linear pair is 75° , then the measure of the other angle is _____
(m)	The standard form of 0.001234 is _____.
(n)	32 expressed in exponential form is _____

S.NO	Q.NO ('2' TO '12' - '2' MARKS EACH)
2	Simplify: $4\frac{1}{2} \times 7\frac{1}{3}$
3	Divide 15.648 by 0.08

(PTO)

S.NO	Q.NO ('2' TO '12' - '2' MARKS EACH)
4	The cost of one litre of petrol is ₹ 60.5 Find the cost of 7.5 litres of petrol.
5	(a) Write the supplement of 145° (b) Find the measure of angle x 
6	The sides of a triangle are $\frac{3}{4}$ m, $\frac{1}{2}$ m and $\frac{1}{8}$ m. Find its perimeter.
7	Find the sum: 5g ; 2.5 g and 50 cg (Give the answer in g)
8	(a) Write 965400 in standard form. (b) Write 8.12×10^6 in the usual form.
9	Simplify: $(-96) - (-52) + (28) - (19)$
10	Represent $\frac{-3}{7}$ on the number line.
11	Simplify using laws of exponents: $\left[\left(\frac{2}{3} \right)^6 \div \left(\frac{2}{3} \right)^5 \right] \times \left(\frac{2}{3} \right)^2$
12	Find the measures of angles x and y 

S.NO	Q.NO ('13' TO '20' - '3' MARKS EACH)
13	The product of two fractions is $22\frac{1}{2}$. If one of them is $1\frac{1}{2}$, find the other fraction.
14	Simplify: $20 - 12.865 + 19.2 - 7.68$
15	Write four rational numbers between $\frac{-2}{3}$ and $\frac{-3}{5}$
16	Simplify: $29 + 15 \div \{(-24) \div 4 - 9\}$
17	In the following figure, $l \parallel m \parallel n$ and t is a transversal. Find the measures of angles x, y and z. (Give reasons to support your answer) 
18	Simplify: $\left[\left(\frac{1}{3} \right)^{-1} + \left(\frac{1}{7} \right)^{-2} - \left(\frac{1}{5} \right)^{-2} \right]^{-1}$
19	Use distributive property to evaluate: $243 \times (-96) + 243 \times (-4)$
20	From the sum of $\frac{-4}{5}$ and $\frac{3}{4}$, subtract $\frac{-1}{2}$