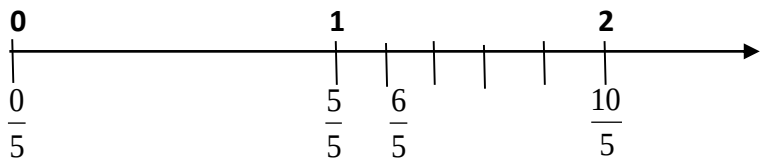
INDIAN SCHOOL MUSCAT – MIDDLE SECTION – DEPARTMENT OF MATHEMATICS – (2017 – 18)
MID TERM EXAMINATION – MATHEMATICS – MARKING SCHEME – CLASS 6

S.NO	SECTION – A (Q.NO. 1 TO 4) ('1' MARK EACH)	MARKS
1.	Associative property of multiplication of whole numbers	1
2	($\overline{PQ}$, $\overline{QR}$) ; ($\overline{QR}$, $\overline{RS}$) or if any two	1
3	$\frac{31}{2}$	1
4	11	1

S.NO.	SECTION – B (Q.NO. 5 TO 10) (' 2' MARKS EACH)	MARKS
5	Smallest 5 – digit number: 10,456	1
	Greatest 5 – digit number: 65,410	1
6	82 – 36 = 46	1
	46 – 1 = 45	1
7	(a) Isosceles right angled triangle	1
	(b) Equilateral triangle	1
8	7648 ---- ends with 8 an even number ---- divisible by 2	½
	Sum of the digits: 7 + 6 + 4 + 8 = 25 ---- is not divisible by 3	½ + ½
	7648 is not divisible by 6	½
9	Natural numbers from 2 to 20 : 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	½
	Even numbers from 2 to 20: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20	½
	Fraction for even numbers from 2 to 20: $\frac{10}{19}$	½ + ½
10	Prime factorization of 300: 2 | 300 2 | 150 3 | 75 5 | 25 5 | 5 1	1½
	P. F OF 300 = 2 x 2 x 3 x 5 x 5	½

S.NO	SECTION – C (Q.NO. 11 TO 18) (' 3 ' MARKS EACH)	MARKS

11	**INDIAN SYSTEM: 95,43,101** **Ninety five lakh forty three thousand one hundred one.**	**1½**
	INTERNATIONAL SYSTEM: 9,543,101 **Nine million five hundred forty three thousand one hundred one.**	**1½**
12	**Multiples of 24: 24, 48, 72, 96, 120 …….**	**1**
	Multiples of 40: 40, 80, 120……..	**½**
	First common multiple: 120	**½**
	First three common multiples: 120, 240, 360	**- + ½ + ½**
13	**(a) 4**	**1½**
	(b) Two	**1½**
14	**1st week = 3, 25, 645** **2nd week = + 5, 05, 678** **Total = 8, 31, 323**	**1** **½**
	1st week 2nd week **3, 25,645 < 5, 05, 678**	**½**
	Difference: 5, 05, 678 – 3, 25, 645 = 1, 80, 033	**1**
	Ans: 8, 31, 323 books were sold in all. **The book sale was greater in the second week by 1, 80, 033**	
15	 **Drawing a ray**	**1**
	Plotting the number	**1**
	$\frac{6}{5}$ **lies between 1 and 2.**	**1**
16	**347 + 1596 + 653 + 2404** **= 347 + 653 + 1596 + 2404**	**1**
	= 1000 + 4000	**½ + ½**
	= 5000	**1**
17	**i) line p and line q**	**1**
	ii) line m and line q	**1**
	iii) line p	**1**
18	**284174** **2 + 4 + 7 = 13**	**1**
	8 + 1 + 4 = 13	**1**
	Difference = 13 – 13 = 0	**½**
	284174 is divisible by 11	**½**

S.NO	SECTION D (Q.NO. 19 TO 23) ('4' MARKS EACH)	MARKS
19	Cost of 12 refrigerators = 12 x Rs. 22,000 = Rs. 2,64,000	1½
	Money left = Rs. 3,50,500 – Rs. 2, 64, 000 = Rs. 86, 500	1½
	Statements	½
	Ans: Rs. 86, 500 will remain with Mr. Gyan.	½
20	674 x 348 + 651 x 674 x 674 = 674 x 348 + 651 x 674 x 674 x 1	1
	= 674 x (348 + 651 + 1)	1
	= 674 x 1000	1
	= 674000	1
21	(i) 650331 Sum of the digits = 6 + 5 + 0 + 3 + 3 + 1= 18 => is divisible by 9	1½
	Ans: 650331 is divisible by 9	½
	(ii) Smallest number with three different prime factors = 2 x 3 x 5	1
	= 30	1
22	(i) Drawing the quadrilateral and naming it as FACE	½ + ½
	(ii) Joining 'F' and 'C' and identifying it as ' DIAGONAL'	½ + ½
	(iii) Naming the triangles as △FAC and △FEC	1 + 1
23	35 + [5 × (18 ÷ 3) – (45 ÷ 5)] = 35 + [5 x 6 – 9]	½ + ½
	= 35 + [30 – 9]	1
	= 35 + 21	1
	= 56	1
24	HCF of 111, 74 and 185 HCF of 111 and 74 111 ÷ 74	1
	74 ÷ 37 ; Q = 2, R= 0 HCF = 37	1
	HCF OF 37 and 185 185 ÷ 37 ; Q = 5, R = 0 HCF = 37	2
25	1008 x 123 = 123 x 1008	
	= 123 x (1000 + 8)	1
	= 123 x 1000 + 123 x 8	½ + ½
	= 123000 + 984	½ + ½
	= 123984	1

S.NO		MARKS

26	(i) Reflex angle	1
	(ii) Two	1
	(iii) Cone	1
	(iv) North	1
27	LCM of 15, 20, 30, 45 2 | 15 , 20 , 30 , 45 2 | 15 , 10 , 15 , 45 3 | 15 , 5 , 15 , 45 3 | 5 , 5 , 5 , 15 5 | 5 , 5 , 5 , 5 | 1 , 1 , 1 , 1	2
	LCM = 2 x 2 x 3 x 3 x 5 = 180	1 + 1
28	a) $\overleftrightarrow{AF}$; $\overleftrightarrow{GB}$	1
	b)	1
	c) Point G, Point E, Point C, Point B	1
	d)	1