## MCQ

## **Equations:**(Chapter-5)

1.	The	solution	of	the	equation	ax+	b =	0	1s
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(a)  $\frac{a}{b}$  (b) -b (c)  $-\frac{b}{a}$  (d)  $\frac{b}{a}$ 

**2.** If a and b are positive integers, then the solution of the equation ax = b will always be a

(a) positive number

(b) negative number

(c) 1

(d) 0

**3.** Which of the following is not allowed in a given equation?

(a) Adding the same number to both sides of the equation.

(b) Subtracting the same number from both sides of the equation.

(c) Multiplying both sides of the equation by the same non-zero number.

(d) Dividing both sides of the equation by the same number.

4. The solution of which of the following equations is neither a fraction nor an integer?

(a) 2x + 6 = 0 (b) 3x - 5 = 0

(c) 5x - 8 = x + 4 (d) 4x + 7 = x + 2

The equation which cannot be solved in integers is

(a) 5y - 3 = -18 (b) 3x - 9 = 0

(c) 3z + 8 = 3 + z (d) 9y + 8 = 4y - 7

**6.** If 7x + 4 = 25, then *x* is equal to

(a)  $\frac{29}{7}$  (b)  $\frac{100}{7}$  (c) 2

(d) 3

7. The solution of the equation 3x + 7 = -20 is

(a)  $\frac{17}{7}$ 

(b) – 9 (c) 9

**8**. By solving the equation a = 2 - 9a, the value of a will be

a).1/5	c).2/5
b).2/3	d).1/2
<b>9</b> . By solving the equation $2a - 2 = 20$	, the value of 'a' will be
a).12	c).11
b).14	d).13
Sum of two natural numbers is 32. Th	en answer 10 to 11.
10.If one number is 10, which of the f	following is the other numbers?
a. 20	c. 24
b .22	d. 18
<b>11</b> . What is the number when 4 subtraction fourth of the given sum?	cted from it, their difference will be one
a. 8	c. 14
b. 4	d. 12
<b>12</b> . Which sign is used to express an expressions?	quation of two mathematicaal
a). +	c). x
b) .=	d). None of these
<b>13</b> . What is the name of the equation cone?	consist of an unknown data with power
a). Binomial equation	c). Trinomial equation
b). Simple equation	d). None of above
14.If $3x-5=13$ , then how much is the value of x?	
a). 3	c). 5
b). 4	d) . 6
Answer of the question no (15-17) usi	ing following information-

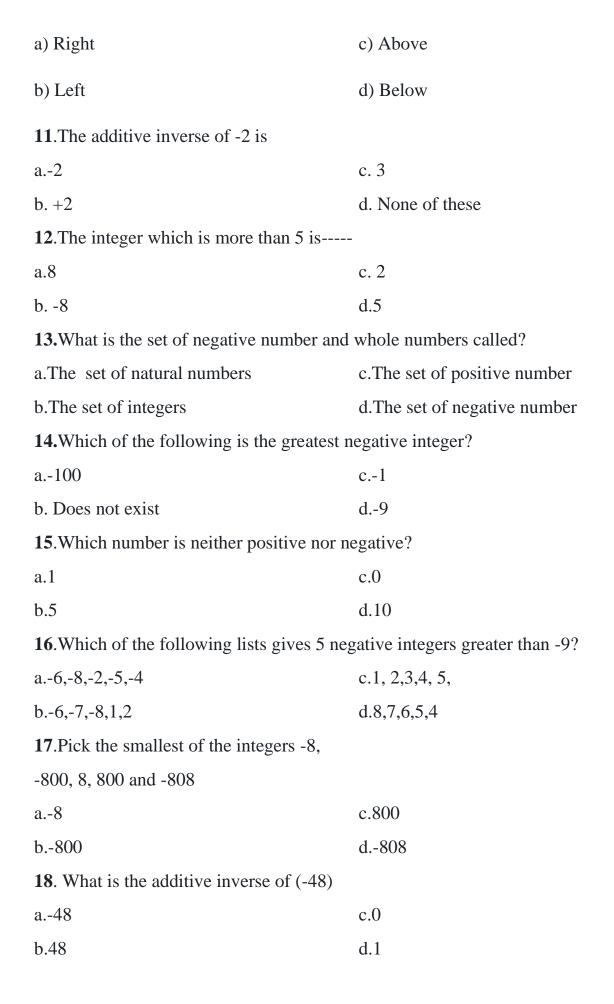
The total age of Alam and Shahid is 35 year. Alam is three years older than Shahid

Shahid	
<b>15</b> . What will be the equation?	
a). 2x=35	c). 2x+3=35
b). x+x+3=35	d). x-5+35=0
<b>16</b> . What is the age of Alam?	
a). 13 years	c). 19 years
b). 20 years	d). 16 years
17. What is the age of Shahid?	
a). 13 years	c). 19 years
b). 20 years	d). 16 years
<b>18</b> . Which of the following indicates three	consecutive natural number?
a). 4,5,6	c). 3,5,7
b). 4,6,8	d). 0,2,4
Integers:(Chapt	er-3)
1. What is the integer representation of wal	king 3km south?
a) Walking 3 km towards the north	c) +3 km
b) -3 km	d) +3
<b>2</b> . What is the opposite of a profit of Tk. 25	50?
a) + Tk. 250	c) + 250
b) A loss of Tk. 250	d) A gain of Tk. 250
3.Between which two integers does -6 lie?	
a) -6 and 6	c) -7 and-10

d) -7 and-5

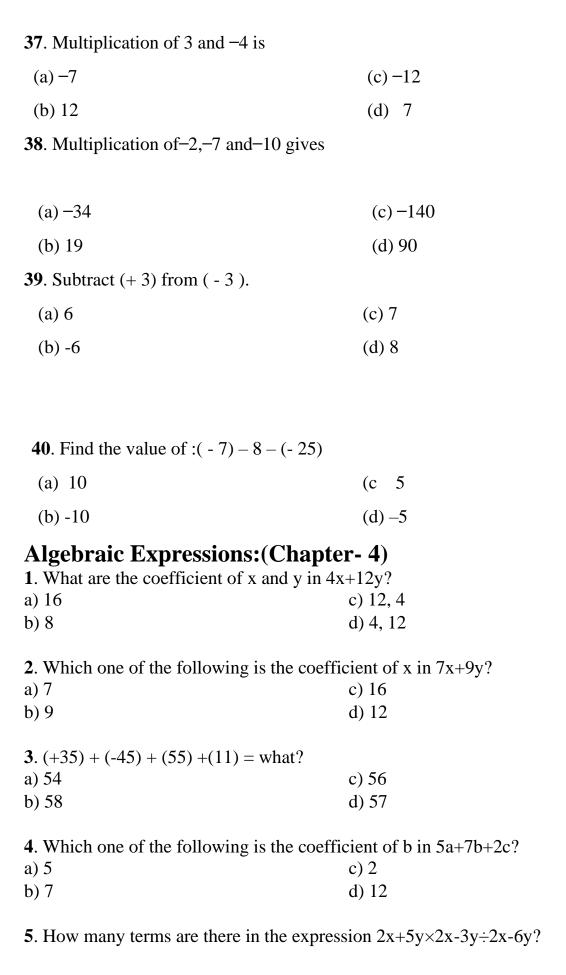
b) 7 and 5

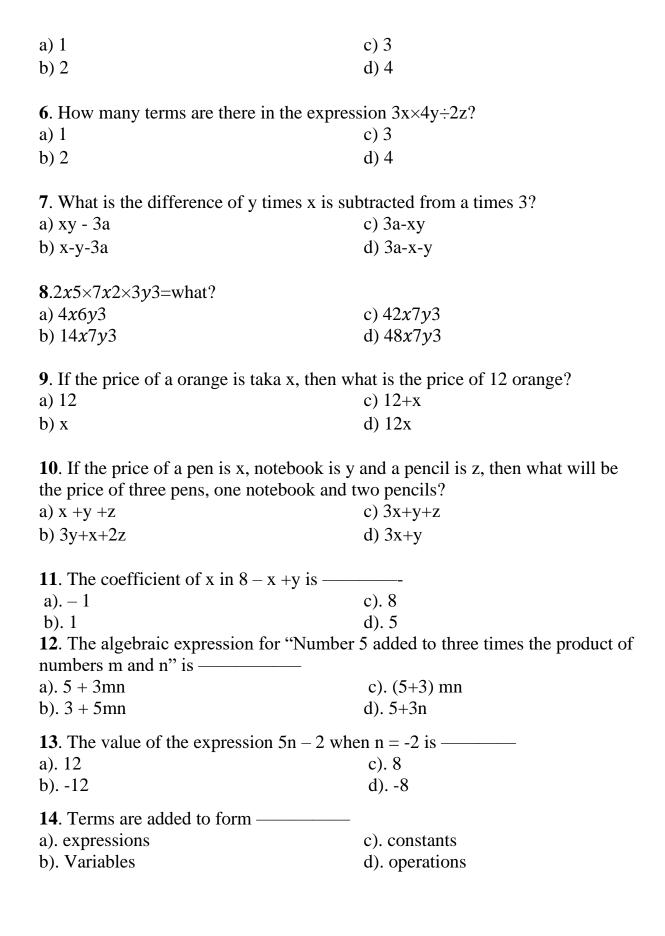
<b>4.</b> What is the positive of a negative integer	r?			
a) Negative	c) Zero			
b) Positive	d) Neither positive nor negative.			
5. Which of the following statements is true?				
a) -8 is larger than 16.	c) 8 is larger than-16.			
b) 16 is smaller than 8.	d) +16 is smaller than-8.			
<b>6</b> .Identify the false statement.				
a) -317 < 603	c) 637 > 246			
b) -777 < -919	d) 1027 > -688			
7. Which of the following lists gives 5 negative integers greater than -9?				
a) -6, -8, -2, -5, -4	c) 1, 2, 3, 4, 5			
b) -6, -7, -8, 1, 2	d) 8, 7, 6, 5, 4			
<b>8.</b> Which is the largest of the integers -3, -1	10, -236, -15?			
a) -15	c) -10			
b) -3	d) -23			
<b>9</b> . The loss of a shopkeeper on selling rice is Tk. 48 and the loss on selling sugar is Tk. 57. How is the total loss represented in integer form?				
a) Tk.105	c) -Tk.9			
b) Tk.9	d) -Tk.105			
<b>10.</b> To which side of 0 on a horizontal number line are the negative integers located?				



19. What is the number of negative integers between -11 vand 11				
a.10	c.0			
b.11	d.22			
<b>20.</b> Find the number of integers between 0 and 6				
a.8	c.15			
b.6	d.5			
21. In addition, and subtraction of two integers, sign of the answer depends upon				
(a) Smaller number	(c) Their sum			
(b) Their difference	(d) Greater numerical value			
22. Sum of two negative number is always				
(a) Positive	(c) 0			
(b) Negative	(d) 1			
23. Sum of two Positive number is always				
(a) Negative	(c) 1			
(b) Positive	(d) 0			
<b>24</b> . Sum of – 36 and 29 is				
(a) -65	(c) -7			
(b) 65	(d) 7			
<b>25</b> . Sum of–19 and–21 is				
(a)-40	(c) 2			
(b) 40	(d)-2			
26. Which of the following statement is false?				
(a)-7+(-6)=-13	(c) $2 + (-1) = 1$			
(b) $-5 + 1 = 4$	(d) 8 + (-9) = -1			
27. The pair of integers whose sum is-5				
(a) 1,–4	(c) -3, -2			
(b) -1, 6	(d) $5, 0$			

<b>28</b> . What integers or number should be added to –5 to get 4				
(a) 1	(c) <b>-</b> 9			
(b) -1	(d) 9			
<b>29</b> . What will be the additive inverse of –5				
(a) <del>-</del> 6	(c) 3			
(b) -4	(d)5			
<b>30.</b> What will be the additive inverse of 7				
(a) -7	(c) -5			
(b) <b>-</b> 6	(d)-4			
<b>31.</b> Predecessor of–9 is				
(a) -8	(c) -10			
(b) 8	(d) 10			
<b>32</b> . Successor of–1 is				
(a) -2	(c) 1			
(b) 0	(d) 2			
<b>33</b> . The value of 6–(-3) is				
(a) 3	(c) -3			
(b) <del>-9</del>	(d) 9			
<b>34</b> . The value of 26–30 is equal to				
(a) 4	(c) -56			
(b)-4	(d) 56			
35. Which of the following statement is true				
(a) $7-4 = 4-7$	(c) 7–4 < 4–7			
(b) 7–4 > 4–7	(d) 7-4 =-3			
<b>36</b> . Choose appropriate number for blank: $-7-($ $)=2$				
(a) 5	(c) 9			
(b) -5	(d) <del>-9</del>			





15. Which of the following is the numerical coefficient of  $x^2y^2$ ?

a). 0

c). x2

b). 1

d. y2

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