Department of Mathematics

OBJECTIVE TYPE (1 Mark)

Q.1.	The largest negative integer is						
	A	-2	**B**	-1	**C**	0	**D**	-3

Q.2.	Write the correct answer from the given four options: Sanaa and Trapi visited Leh and Tawang respectively during winter. Sanaa reported that she had experienced –4°C on Sunday, while Trapi reported that she had experienced –2°C on that day. On that Sunday

	A	Leh was cooler than Tawang	**B**	Leh was hotter than Tawang	**C**	Leh was as cool as Tawang	**D**	Tawang was cooler than Leh

Q.3.	The greatest negative even integer is						
	A	-1	**B**	0	**C**	-2	**D**	undefined

Q.4.	The predecessor of -17 is						
	A	16	**B**	18	**C**	-16	**D**	-18

Q.5.	In which of the following pairs of integers, the first integer is not on the left of the other integer on the number line?						
	A	$(-1,10)$	**B**	$(-3,-5)$	**C**	$(-5,-3)$	**D**	$(-6,0)$

Q.6.	The greatest integer lying between –10 and –15 is						
	A	-10	**B**	-11	**C**	-14	**D**	-1

Q.7.	The additive inverse of a negative integer						
	A	Zero	**B**	is always negative	**C**	Is the same integer	**D**	is always positive

Q.8.	Arrange the following integers in the ascending order: $-2, 1, 0, -3, 4, -5$						
	A	$-5, -3, -2, 0, 1, 4,$	**B**	$-2, -3, -5, 0, 1, 4$	**C**	$4, 1, 0, -2, -3, -5$	**D**	$4, -2, -3, -5, 1, 0$

Q.9.	Write the integer which is its own additive inverse.						
	A	-2	**B**	1	**C**	0	**D**	-1

Q.10.	A pair of integers whose sum is (–5)						
	A	$(-4, 1)$	**B**	$(5, -5)$	**C**	$(6, -1)$	**D**	$(-4, -1)$

	Fill in the blanks(1mark)
Q.11.	Every negative integer is _____ than every positive integer.
Q.12.	The successor of −55 is _____.
Q.13.	The number 4 less than −8 gives _____.
Q.14.	The opposite of the temperature above 10°C is_____.
Q.15.	When we add two negative integers, the sum is a _____ integer.
	SECTION B (2 marks)
Q.16.	List all integers between: $(a) - 25 \ and \ - 20$ $(b) - 5 \ and \ 0$ $(c) - 1 \ and \ 6$ $(d) - 7 \ and \ - 12$
Q.17.	Represent the following numbers as integers with appropriate sign: (a) Profit of Rs.6545 (b) 67 km south (c) 20 m below the danger mark of river Ganga (d) Depositing Rs.10,000 in the Bank account.
Q.18.	Write five integers which are less than −100 but greater than −150.
Q.19.	Find the sum of the pairs of integers: (a) $-16, -14$ (b) $+33, -10$ (c) $+24, -20$
Q.20.	Fill in the blanks: $(a) \ (-16) + _____ = (-18)$ $(b) \ (-20) + _____ = 0$ $(c) \ (-5) - (+5) = _____$ $(d) \ (-7) + _____ = (-6) \ .$
	SECTION C (4 marks)
Q.21.	Find the following using number line. (a) $(-5) + (-8)$ (b) $4 + (-1)$ (c) 4 more than −5 (d) 3 less than 2

Q.22.	Find the sum of: $(a) -250 \ and \ 50$ $(b) -15, -200 \ and \ -30$ $(c) \ 315, -100 \ and \ -157$ $(d) \ 121 \ and \ -150$
Q.23.	Compute each of the following: (a) $30 + (-25) + (-10)$ (b) $(-20) + (-5)$ (c) $70 + (-20) + (-30)$ (d) $-50 + (-60) + 50$
Q.24.	Put $<, >$ or $=$ in the space provided (show proper working) $(a) \ (-23) - (-20)$ ⬭ $(-27) - 15$ $(b) \ 29 - (-9)$ ⬭ $25 + (-16)$ $(c) \ (-3) + (-10)$ ⬭ $(+7) - 5$ $(d) \ 12 - (9)$ ⬭ $(13) + (-10)$
Q.25.	Simplify: $(a)(-29) + (-17) - (-50)$ $(b)(-127) - (86) - 30$ $(c) \ 31 - (20) - (15)$ $(d) \ 12 + (-22) - (-10)$

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Answers

Answers	**1**	B	**2**	A	**3**	C	**4**	D
	5	B	**6**	B	**7**	D	**8**	A
	9	C	**10**	D	**11**	Smaller	**12**	-54
	13	-12	**14**	temperature below 10°C	**15**	Negative	**16**	(a)$-24,-23, -22, -21$ (b)-4, -3, -2, -1 (c) 0,1,2,3,4,5 (d) -8, -9, -10, -11
	17	a) $+6545$ b) -67 c) -20 d) $+10,000$	**18**	Any numbers between -149, ...-101.	**19**	a) -30 b) $+23$ c) $+4$	**20**	a) -2 b) $+20$ c) -10 d) $+1$
	21	a) -13 b) 3 c) -1 d) -1	**22**	a) -200 b) -245 c) 58 d) -29	**23**	a) -5 b) -25 c) 20 d) -60	**24**	a) $>$ b) $>$ c) $<$ d) $=$
	25	a) 4 b) -243 c) -4 d) 0						