

## Previous Year Solved Question Paper of G.A.T.E. (XL) 2018 Life Sciences General Aptitude Examination

(Original Question Paper with Answer Key) GRADUATE APTITUDE TEST IN ENGINEERING



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## Q. 1 – Q. 5 carry one mark each.

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Q.1	"Going by the that many hands make light work, the school involved all the students in the task."						
	The words that best fill the blanks in the above sentence are						
	<ul><li>(A) principle, principal</li><li>(C) principle, principle</li></ul>		<ul><li>(B) principal, principle</li><li>(D) principal, principal</li></ul>		Ans. A		
Q.2	"Her should not be confused with miserliness; she is ever willing to assist those in need."						
	The word that best fills the blank in the above sentence is						
	(A) cleanliness	(B) punctuality	(C) frugality	(D) greatness	Ans. C		
Q.3	Seven machines take 7 minutes to make 7 identical toys. At the same rate, how many minutes would it take for 100 machines to make 100 toys?						
	(A) 1	(B) 7	(C) 100	(D) 700	Ans. B		
Q.4	A rectangle become respectively. During original rectangle in	A rectangle becomes a square when its length and breadth are reduced by 10 m and 5 m, respectively. During this process, the rectangle loses $650 \text{ m}^2$ of area. What is the area of the original rectangle in square meters?					
	(A) 1125	(B) 2250	(C) 2924	(D) 4500	Ans. B		
Q.5	A number consists of two digits. The sum of the digits is 9. If 45 is subtracted from the number, its digits are interchanged. What is the number?						
	(A) 63	(B) 72	(C) 81	(D) 90			
0.6-	O. 10 carry two mar	ks each.			Ans. B		
0.6	For integers $a$ h and	d c what would be th	e minimum and maxir	num values respect	ively of		
<b>~</b>	$a + b + c$ if $\log  a  + \log  b  + \log  c  = 0$ ?						
	(A) -3 and 3	(B) -1 and 1	(C) -1 and 3	(D) 1 and 3			
					Ans. A		

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Q.7	Given that <i>a</i> and <i>b</i> are integers statements is correct?	and $a + a^2 b^3$ is odd,	which one	of the following
	<ul><li>(A) <i>a</i> and <i>b</i> are both odd</li><li>(C) <i>a</i> is even and <i>b</i> is odd</li></ul>	(B) <i>a</i> and <i>b</i> are b (D) <i>a</i> is odd and	both even <i>b</i> is even	Ans. D
Q.8	From the time the front of a train er train to leave the platform, while tr speed, it takes 14 seconds to pass a	nters a platform, it takes ravelling at a constant sp a man running at 9 km/	25 seconds a peed of 54 k h in the same	for the back of the km/h. At the same direction as the

train. What is the length of the train and that of the platform in meters, respectively?

(A) 210 and 140	(B) 162.5 and 187.5	
(C) 245 and 130	(D) 175 and 200	Ans D

- Q.9 Which of the following functions describe the graph shown in the below figure?



(A) $y =   x  + 1$	- 2	(B) $y =$	x  - 1	- 1
(C) $y =   x  + 1$	-1	(D) $y =$	x - 1	- 1

Ans. B

Q.10 Consider the following three statements:

- (i) Some roses are red.
- (ii) All red flowers fade quickly.
- (iii) Some roses fade quickly.

Which of the following statements can be logically inferred from the above statements?

(A) If (i) is true and (ii) is false, then (iii) is false.(B) If (i) is true and (ii) is false, then (iii) is true.(C) If (i) and (ii) are true, then (iii) is true.(D) If (i) and (ii) are false, then (iii) is false.

Ans. C

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## **END OF THE QUESTION PAPER**

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