# MBA

Name : Batch:

61<sup>st</sup> - 63<sup>rd</sup>intake questions



# **IBA-MBA Admission Test, December 2018**

# PART I: Multiple Choice Questions (MCQs)

70 Questions - 70 Marks

# **SECTION I: Math**

Math	(Pai	rtial)
Man	(1 a)	uai,

IVIA	ui (i ai uai)				
1.		and water has a ratio hese two mixtures sho			rater has a ratio of 5:3. In ratio of 1:1?
	a: 2:1	b. 3:2	c. 2:3	d. 3:4	e none.
2.	A seller is giving to its cost price?	20% discount on the l	isted price and mak	es 20% profit. Wh	nat is the % of listed price
	a. 110%,	b. 120%	c. 140%	d. 150%	e. none
3.		avings were 20% of hoy 20%. Now he saves	·		yearly increments but his ary?
	a. 20k taka	b.24k taka	c.25k taka	d.28k taka	e. none
4.	556844 / (10^6-10	0^3) = ?			
	a. 0.54	b. 0.56	c. 0.58	d.060	e. 0.62
5.	•	the amount of car that and Nissan Sold 25% b. 2: 1			Toyota sold 25% less than ales during 2017? e. none.
6.	If X is a positive a. y is either odd c. y is even only w		x-2)-(x-3) (x-4), wh b. y is even, only d. y is even		ng must be true?
7.	X, Y and Z are the	ree consecutive odd in	stegers. If $X+Y=z+$	-9, what is the valu	ue of z?
	a. 13	b. 15.	c. 17	d. 19.	e. none.
8.	•	15 hours and B in 10 mpleted in 9 hours. At			e hours B joined with A.
	a.3pm	b. 6pm	c. 1pm	d. 2pm e.	cannot be determined
9.	If $8(3^x) = 27^2 - 9^2$ ,				
	a.3	b. 4	c. 5	d. 6	e. none
10.		pens and another box umber of box of pens	-	If one has total 10	01 pens and pencils, what
	a.1	b. 2	c. 3	d. 4	e. none
11.	If. $(x+8) (y+5)=0$ a. $x<0$	b, which of the followi	ng must be true? c. xy<0	d.xy = -40	e. none

12. The ratio of income of Kamal and Jamal is 3:1. The ratio of income of Abu and Babu is 1:2. The Ratio of income of Jamal and Abu is 1:2. The difference between Abu and Babu is 40000 taka. What's their average income?

a.30,000 taka

b. 60,000 taka

c. 80,000 taka

d. 120,000 taka e. none

13. A rectangular garden has a surrounding wall walkaway; total area including the walkway is 525 square meter. The length and width of the garden is 20 meter and 16 meter respectively. What is the width of the walkaway?

a. 2 meter

b. 2.5 meter

c. 4 meter

d. 5 meter.

e none

## **Data Sufficiency**

Instruction: Mark the appropriate answer as per the following conditions

- (A) Statement (1) is alone sufficient, but statement (2) is not sufficient to answer the question.
- (B) Statement (2) is alone sufficient, but statement (1) is not sufficient to answer the question.
- (C) Both statements are together sufficient, but neither statement alone is sufficient to answer the question.
- (D) Each statement alone is sufficient to answer the question.
- (E) Both statements are together not sufficient to answer the question.
- 14. 5 students in a class have weight of 25 kg, 30 kg, 40 kg, X kg and Y kg. What is the value of x?
  - i. The average of their weight is 30 kg
  - ii. X>Y
- 15. If  $z = a10^b + c$  and when z is divided by 9 the remainder is 8, what is the value of a?

(X, Y and Z are integers)

- i. b=10
- ii. c=2

## **ANSWER KEY**

## **Section I: Mathematics**

1.E	2.D	3.C	4.B	5.A	6.D	7.B	8.A	9.B	10.C
11.E	12.B	13.B	14. E	15.E					

# **IBA-MBA Admission Test, December 2019**

# **SECTION I: Math**

1.	A company boug (approximately)-	th $7.3 \times 10^5$ papers,	research departme	nt used 8.9×10 <sup>3</sup>	papers, papers left are
	a. 1.6×10^2	b. 1.6×10^4	c. 7.2×10^3	d. 7.2×10^5	e: None of these
2.	, , , , ,	livided by 32 and realso be an integer- i. X		x is a positive in	teger then which of the
	a. I	b. ii	c. i & iii	d. iii	e. none of these
3.	Average of 3 posttrue?	itive integer a,b,c is	111. b is 2 more th	an c then which o	f the following must be
	a. a is odd	b. b is odd	c. a is even	d. b is even	e. none of these
4.	•	vided by y quotient i	s 11 and remainder	is 4, and x when	by 16 quotient is 4 and
	a. 60	b. 72	c. 80	d. 90	e. none of these
5.		0 people, 80% were v		mount of women	left and new percentage
	a. 200	b. 280	c. 360	d. 400	e. none of these
6.	A car covered p average speed in		ce in 20 kmph and	remaining distan	ce in 30 kmph, what is
	a. 90p	b. 45p	c. 30p	d. 6000/(200+p)	e. none of these
7.	x men can do a w the work is	ork in h hours , if 2 n	nen leave the work	, the additional tir	me required to complete
	a.	b. 2h/(x-2)	c.	d.	e. none of these
8.		presented by y equal			Y=512 and Number of number of chairs on the
	a. 32	b. 24	c. 128	d. 256	e. none of these
9.	XYZ+ZY=333, could be the value		Y,Z all are disting	ct single digit pos	sitive integer then what
	a. 0	b. 1	c. 2	d. 3	e. none of these

10.	properly but corre a. some inequality b. some inequality c. some inequality		If the two so $ \sqrt{2}  > \pi$ If the two so $\sqrt{2} < \pi$ If the two so $\sqrt{2} < \pi$		n't remember the options
11.	If 3x-2=> 1, Wha	at is the value of (x+x	2)?		
	a. 3	b. 1	c. 2	d. 5	e. none of these
12.	If average of a, b positive integer	, c, d is 5 and a < b < c	<pre>&lt;<d gre<="" is="" pre="" the="" what=""></d></pre>	atest possible valu	ne of d if all of them are
	a. 15	b. 16	c. 14	d. 17	e. none of these
13.	•	ectangular x is 10 me	_	_	m more than rectangular ngular y is a square find
	a. 3000	b. 3200	c. 3500	d. 4000	e. none of these
14.	By selling 60 ora a. 10	nges at 624 taka, los b. 10.5	s is cost price of 8 c. 11	orange, the cost p d. 11.5	rice of one orange is: e. none of these
15.	were from comm		d 75% of females v	vere from non-cor	emales. if 75% of males numerce background and e. none of these
16.	400% greater tha	•	If the total of com	pany C's assets in	1993, which in turn was in 1992 was N dollars, e. 20N
17.	•	on's salary was BDT nd now ratio of their			ely, both their salary got
	a. 5400 these	b. 7200	c. 8800	d. can't rememb	er e. none of
18.	12 minutes to posimultaneously he	roduce 2 and mach ow many hours will	ine C takes 10 m it take to produce 2	ninutes to produce 294 of the said item	
	a. 10	b. 10.5	c. 11	d. 630	e. none of these

19.	The total of plums nearest in many plums	that grew teger). D	during the uring its 3	e previou Brd year,	s year, les the plum	s the age	of the tree	in years	(rounded	l down to	the
	a. 43		o. 41		c. 38		d. 35	$\epsilon$	e. 32		
20.	i) the ratio of male to female is 3:2 ii) the percentage of married men is 20% and married women is 25%										
	a. i	1	o. ii		c. both I	and ii	d. either	i or ii	e. none o	f these	
	ction II:		<u>h</u>								
1.	Unconvin a. change c. change	by>with	t	change	ented , (he he was ac d. a+c	•	•		acquitted	him	
2.	He was ca (peers)				confidenc	ce), all of			n stand a	part from	ı his
	a. has a lo			nfident			b. makes:	>make			
	c. peers>1	peer (	d. a+b		e. a+c						
3.	had you n	ot (broke	) your sup	ervisor's	trust (first	time), he	would ha	ve (lowei	·) difficul	ty in trus	ting
	a. broke>				b. insert	the before	e first time	e			
	c. lower>	less	d. b+c		e. a+b+c						
4.	The miser			ruggle w					her fully	compreh	iend
	a. is>are	1	1			with after	empathiz	ze			
	c. those>t	iney (	d. a+c		e. a+b						
					ANSWE	R KEY					
				Sec	ction I: M	athematic	cs				
	1.D	2.A	3.A	4.E	5.D	6.D	7.D	8.C	9.	10.E	
	11.A	12.C	13.C	14.E	15.C	16.E	17.D	18.B	19.C	20.B	
			Sec	tion II: I	anguage :	and Com	municatio	n			
	1.B	2.A	3.E	4.E							]
	<u> </u>					•	•		•		

# **IBA-MBA Admission Test, December 2020**

# Section-I: Math

1.	If a and c are positivalue of (b+d)	ve integers and 4a	+3 = b and $4c + 1 = d$ ,	which of the follo	owing could be the
	(A) 46	(B) 58	(C) 68	(D) 74	(E) 82
2.			which of the following	must be positive?	?
	I. $a^2 cb$	II. $bc^4 d$	III. $a^3 c^3 b^2$		
	(A) I only	(B) II only	(C) III only	(D) I and III	(E) I, II and III
3.	If $(125)^{14} \times (48)^8$ where immediately to	=	n integer, how many conal point?	onsecutive zeros	would that integer
	$[IF (125)^{14} \times (48)^8 =$	= x, then how many	trailing zeros does x ha	ve?]	
	I. $a^2 cb$	II. $bc^4 d$	III. $a^3 c^3 b^2$		
	(A) 22	(B) 32	(C) 42	(D) 50	(E) 112
4.	When the positive is by 8?	nteger n is divided b	by 8, the remainder is 3.	What is the rema	inder if 3n divided
	(A) 1	(B) 3	(C) 5	(D) 6	(E) None of these
5.	If $x = (106 \times 190 \times$	111), then what is t	he remainder when x is	divided by 15?	
	(A) 1	(B) 4	(C) 7	(D) 9	(E) None of these
6.	If $f(-0.5) = 0$ , which	h of the following o	could be $f(x)$ ?		
	(A) 2x + 2	(B) $4x - 2$	(C) $4x^2 - 1$	(D) $x^2 - 1$	(E) $(-x)^2 - 2.5$
7.	What is the range of the dataset are positive.		bers comprised entirely = 18?	of {1, 6 x, 17, 20	0, y} if all terms in
	(A) 16	(B) 17	(C) 18	(D) 19	
	(E) It cannot be dete	ermined from the in	formation given		
8.	-	-	very 120 seconds. The li	-	_
	flash every 60 and 9	90 seconds. They al	I flash at 8:30. When wi	ill they flash agai	n simultaneously.
	(A) 8:30	(B) 8:33	(C) 8:34	(D) 8:36	(E) None of these
9.		•	p 20 rooms heated for fo to heat it, how many ex	-	
	(A) 3	(B) 4	(C) 5	(D) 18	(E) 19
	(11) 3	(D) T	(0) 3	(D) 10	

10.		-	l into a 20 gallon bucket of the tank, in gallons?	t, IF the oil fills 3	5% of the bucket's
	(A) 8.75	(B) 15	(C) 16	(D) 17.5	(E) 19
11.	20%. If the magazing last year, how many	ne could lose 4 subs y subscribers did the	subscription fee. This y cribers this year and still e magazine have last year	l collects the san	ne revenue as it did
	(A) 20	(B) 21	(C) 22	(D) 23	(E) 24
12.		bicycles at Tk. 320 profit or loss percen	00 each, one at profit of ntage?	f 20% and the o	ther at a loss 20%.
	(A) 1% loss (E) None of these	(B) 2.5% profit	(C) 4% loss	(D) no loss no j	profit
13.	•	or a year gives 12.5	% interest, then in how amount?	many years the	cumulative interest
	(F) 3	(B) 5	(C) 6	(D) 7	(E) None of these
14.	•		le to serve on a committ cludes at last one man	ee. If three peop	le are picked, what
	(A) $\frac{1}{32}$	(B) $\frac{1}{4}$	(C) $\frac{2}{5}$	(D) $\frac{7}{15}$	(E) $\frac{8}{1.5}$
	32	4	5	15	15
15.	The sides of a rectarin cm?	ngular field are in th	e ratio 3:2. If the area is	150 sq. cm, deter	mine the perimeter
	(A) 10	(B) 25	(C) 40	(D) 35	(E) None of these
16.	units per 6 hours, B Machines B and c fe	3 makes 6 Units per or the first 12 hours,	or 30 hours using three 12 hours, C make 33 un then uses A and B for he product. What is the to	its per 12 hours. e next 6 hours an	The company uses d for the remaining
	(A) 181	(B) 183	(C) 168	(D) 175	(E) None of these
17.	• •	per when she buys	<ol> <li>During a promotiona</li> <li>pens together. How</li> </ol>		· ·
	(A) 93	(B) 100	(C) 106	(D) 112	(E) None of these
18.	A 16 ounce jar of b sesame?	oirdseed is 10% sesa	me. How much sesame	must be added to	o make the jar 20%
	(A) 1 ounce	(B) 1.6 ounce	(C) 2 ounce	(D) 2.4 ounce	(E) 4 ounce

19. Helen bought a ticket for \$252. If she'd bought it 1 day later, she would have paid \$306. How many days in advance did she buy her ticket. Conference Ticket Advance Discount 5-29 days in advance 15% 30-59 day in advance 30% 60-89 day in advance 40% (A)5(B) 30(C) 59(D) 60 (E) 89**Section-III: Analytical Ability:** Data Sufficiency 20. Is q an integer? (1) 3q is an odd number. (2) 2q is an even number. **Puzzle** There are seven interview panels I to VII for selecting Managers for seven different companies- A, B, C, D, E, F and G. Asif, Tushar, Mahzabin, Tazul, Mahmood, Rakib and Sdib are seven candidates for the post of Mangers but not necessarily in th the same order. Panel IV takes interview of Rakib for company A. Panel III takes interview of Tazul but not for the company C or D. Tushar gives interview for company B but not to the panels I or II. Panel VI takes interview of Asif for company but not for company C. Panel II does not take interview of Mahmood. 21. Panel II takes interview for which of the following companies? (E) None of these (A) D (C) F (D) B (B) C 22. Panel takes interview of which of the following candidates? (D) Can't be determined (A) Tushar (B) Mahmood (C) mahzabin (E) None of these 23. Mahzabin gives interview for which of the following companies? (A)F(B) G (C) D D) A (E) None of these 24. Who among the following gives interview for company C? (A) Tushar (B) Tazul (C) Mahzabin (D) Sadib (E) None of these 25. Which of the following combinations is true?

(C) Tushar -B-II (D) Mahzabin -C-I (E) None of these

(B) Mahmood -VII (B) Tazul -C-III

### **Critical Reasoning**

26. The school board has responded to the new school lunch guidelines by replacing fried potatoes with fruit in a standard meal option that used to consist of a hamburger, fried potatoes, and milk. However, the guidelines specifically require that vegetables, not fruits, be included in every meal.

The information above most strongly supports which of the following conclusions?

- (A) Fruit provides just as much health value to students as vegetables.
- (B) Students are more likely to eat fruit than vegetables.
- (C) The school board is not following the new school guidelines.
- (D) The school board is responsible for the health of the student population.
- (E) The new school lunch guidelines are unnecessarily strict.
- 27. While many people think of the lottery as a harmless way to have fun and possible win some money, buying lottery tickets is a form of gambling. Therefore, public officials shouldn't by lottery tickets.

The argument above relies upon which of the following assumptions?

- (A) Individuals who play the lottery are less likely to win a big payout than they are to be killed in a car crash.
- (B) Some public officials are guilty of much more serious offenses that gambling.
- (C) Public officials shouldn't gamble.
- (D) Many public officials are easily tempted to violate rules governing their positions.
- (E) Most lottery winners are not made as happy by their winnings as they expected.

#### **ANSWER KEY**

#### **Section I: Mathematics**

1.C	2.C	3.B	4.A	5.D	6.C	7.D	8.D	9.B	10.D
11.E	12.C	13.E	14.E	15.E	16.E	17.B	18.C	19.B	

#### **Section II: Analytical Ability**

					-			
20.B	21.C	22.A	23.C	24.D	25.C	26.C	27.C	