



AMERICAN INTERNATIONAL UNIVERSITY – BANGLADESH (AIUB)
 ADMISSION TEST FOR – MBA – FALL 2012-2013
 July 5, 2012

SET A

NAME:										
ROLL NO:				-						
Tick (✓) as appropriate										
Regular MBA					Executive MBA					

 Proctor's signature

Please read the following instructions carefully:

- Total Marks : 100
- Total Time : 100 minutes
- There are four sections of the test booklet. Number of question and marks distribution are as follows:

Section	Contents	Number of questions	Marks
A	Short Essay Writing	1	**
B	Quantitative	1 – 20	(20 x 2) = 40
C	Verbal	21 – 40	(20 x 2) = 40
D	Analytical Ability	41 – 50	(10 x 2) = 20

**** Answering this section (A) is mandatory. It will be evaluated by the viva board to judge the writing ability**

- **DO NOT** write your Roll Number in the ID/ROLL NO section of the OMR Sheet. The Proctor will write the ROLL NO. **FILL** other sections of the OMR Sheet.
- Then **DARKEN** the appropriate circles according to your ROLL NO in the OMR Sheet.
- **WRITE SET NAME IN THE OMR SHEET**
- **RETURN THE QUESTION PAPER AT THE END OF THE EXAM.**
- Use the given space of the test booklet to answer **SECTION A**. No extra paper will be provided.
- Use the OMR sheet to answer **SECTION B, C & D**.
- Use of **CALCULATOR IS NOT ALLOWED**. Use blank spaces of your test booklet for rough works/computation. **DO NOT USE THE TOP SHEET (FRONT OR BACK)** of the test booklet for **ROUGH** works/computation.
- You can choose **ONLY ONE** option in your answers (i.e., A or B or C or D or E). If you circle more than one option the answer would be treated as **INVALID**.
- It is recommended that you use **HB pencil** to fill the OMR sheet. You may use pen to fill the circles, but in that case you will not be able to erase your answer and correct it in case of mistake.
- **Once you write your name and roll number in the answer script and start answering the question, YOU CANNOT REQUEST FOR AN EXTRA ANSWER SHEET, OR YOU CANNOT CHANGE YOUR ANSWER SHEET WITH A NEW ONE.**

Section A: Write a short essay [maximum 3 paragraphs] on:
(Complete your short essay within the space given below. No extra page will be given)
"Modern Technology: Blessing or Curse?"

SAMPLE

SECTION B: QUANTITATIVE SECTION (20 x 2 = 40)

- If n and m are both odd integer, which of the following must be an even integer?
(A) $n + p + 1$ (B) $n + p$ (C) $2n + 1$ (D) $np + 2$ (E) None
- A person travels a distance of 60 km at a speed of 90 km/hr and then comes back at twice the speed. The total times he took is how many minutes?
(A) 120 (B) 60 (C) 80 (D) 90 (E) None
- The length of a room is increased by 75% and the breadth decreased by 12%. Then, the area of the room is increased by what percent?
(A) 66% (B) 71% (C) 54% (D) 60% (E) None
- Ali starts from his home at 5 am and travels towards Chittagong at 30 km/hr. Belal starts from the same home at 7 am and travels along the same route towards Chittagong overtaking Ali at exactly 11 am. At what speed, in km/hr, was Belal traveling?
(A) 35 (B) 40 (C) 45 (D) 48 (E) None
- If $(x - y) = 1$ and $xy = 2$, then $x^3 - y^3 = ?$
(A) 7 (B) 9 (C) 11 (D) 18 (E) None
- A gas tank is $\frac{1}{5}$ th full and requires 32 gallons to make it $\frac{3}{7}$ th full. Hat is the capacity of the tank?
(A) 115 (B) 120 (C) 135 (D) 140 (E) None
- Complete the series 2, 5, 9, 19, 37,
(A) 77 (B) 75 (C) 80 (D) 65 (E) None
- If $\frac{3}{x} = 2$ and $\frac{y}{4} = 3$, then $\frac{(3+y)}{(x+4)} = ?$ (A) $\frac{10}{9}$ (B) $\frac{3}{2}$ (C) $\frac{20}{11}$ (D) $\frac{30}{11}$ (E) None
- The length of a side adjacent to the right angles of a right angled triangle is 3 cm and the length of the hypotenuse is 5 cm. What is the length of the other side of the triangle?
(A) 5cm. (B) 7cm (C) 8 cm (D) 4 cm (E) None
- Which of the following is the largest?
(A) $\frac{12}{15}$ (B) $\frac{11}{14}$ (C) $\frac{5}{6}$ (D) $\frac{17}{21}$ (E) None
- The sum of the ages of father and son is 62 years. 1 year ago, the ratio of their ages was 5:1. Their present ages are:
(A) 66 & 14 (B) 46 & 16 (C) 44 & 18 (D) 51 & 11 (E) None
- If $37\frac{1}{2}\%$ of a number is 900, then $62\frac{1}{2}\%$ of the number is?
(A) 1200 (B) 1350 (C) 1500 (D) 540 (E) None
- A train 100 meters long 6 seconds to cross a man walking at 5 km/h in a direction opposite to that of the train. Find the speed of the train.
(A) 45 (B) 69 (C) 55 (D) 72 (E) None
- The price for a TV is 120% of its cost. The TV was sold at a 10% discount on the price. If the profit is TK. 2,400, what is the cost of the TV in taka?
(A) 40,650 (B) 25,000 (C) 34,750 (D) 30,000 (E) None
- What is the total number of integers between 100 and 200 that are divisible by 3 and not divisible by 5 nor 7?
(A) 23 (B) 21 (C) 22 (D) 20 (E) None
- If $\log_x \frac{1}{9} = -2$, then the value of x is: (A) $-\frac{1}{3}$ (B) $+\frac{1}{3}$ (C) -3 (D) +3 (E) None
- If $p + 8q = 2q + 5p$; what is the ratio of q to p ?
(A) 2:3 (B) 3:2 (C) -2:3 (D) 4:3 (E) None
- The sum of the series $1+2+3+\dots+99 = ?$.
(A) 4650 (B) 4850 (C) 4750 (D) 4950 (E) None

19. Profit after selling a commodity for Tk.425 is same as loss after selling it for Tk.355. The cost is the commodity is?
 (A) 385 (B) 390 (C) 395 (D) 400 (E) None
20. If $x > y > 1$ and $xy = z$, which of the following is true?
 (A) $y < z$ (B) $y = z$ (C) $z = 1$ (D) $y = 1$ (E) None

SECTION C: VERBAL SECTION (2 X 20 = 40)

PART A: Choose the correct verbs that agree with the subjects of each of the sentences.

21. The authority _____ given a clarification on this new policy.
 (A) have (B) has (C) was (D) were
22. The situation of all the CNG stations _____ really frustrating; no gas anywhere!
 (A) have been (B) had been (C) were (D) is
23. Shahi kababs, together with Masala Dosa, _____ served in dinner.
 (A) has been (B) had been (C) have been (D) all of the above
24. Panjabi and pajama _____ found in the market.
 (A) have (B) are (C) is (D) none of the above

PART B: NOTIFYING ERROR: Read the following sentences and look carefully at each of the underlined words/group of words. Choose the portion in each of them which has error.

25. The color of the clothes have become faded due to the heat.
 (A) (B) (C) (D)
26. Burmese people usually looks younger than their original age.
 (A) (B) (C) (D)
27. A team of experts from Hong Kong have come to Dhaka to train local IT personnel.
 (A) (B) (C) (D)
28. One hundred dollars are a lot of money for many people in the society.
 (A) (B) (C) (D)

PART C: Complete the sentences using appropriate word/words:

29. _____ what topic do you want me to discuss now?
 (A) about (B) in (C) for (D) because
30. My teacher not only sent me a lovely birthday card _____ called me to wish.
 (A) but (B) even (C) even though (D) but also
31. Tashfeen laughed wildly when he _____ the joke from his new girlfriend.
 (A) did hear (B) hearing (C) will hear (D) heard
32. _____ our expenditure for newspaper publicity due to financial limitations, we need to continue with our promotional campaigns.
 (A) reducing (B) postponing (C) elevating (D) continue

PART D: Read the paragraph carefully. Choose the best answer to the questions that follow.

Taxi!

Greece

Well, my parents went on holiday to Crete last year. They got there very early in the morning so that the taxi ride from the airport to their hotel was in the dark. They were just beginning to doze off in the back seat when they were thrown violently to one side as the taxi turn sharply across the road. Suddenly wide-awake they could just make out in the weak headlights the tail of a rabbit as it zigzagged in panic. Thinking that the taxi driver was driving harshly to avoid the horrified animal my mother was rather surprised when the driver turned round smacking his lips and cried 'Rabbit! I love the rabbit! My wife cook for me!'

Colombia

My husband got a job teaching in Colombia two years ago. You can imagine that he was a bit worried about it, all those horror stories about drug gangs and guns, but he was also looking forward to it. Of course his first view of Bogota was from the taxi window on the way from the airport. The taxi driver was fascinated

that he had come from England and wanted to try out his English. But when he heard that his passenger came from London he threw both arms up in the air with horror: 'London! Is terrible! Is full of hooligans!'

Vietnam

A friend of mine lived in Hanoi for a few years. Taxis there were very cheap and she used them a lot. One night a taxi driver suggested he didn't put the meter on and offered a cheaper price for the journey. Too tired to argue she agreed. But just as the taxi was about to turn the final corner a man opened the door and jumped in beside her! She thought he wanted a ride so she decided to get out. But the man wouldn't let her pay and started shouting angrily at the driver. To my friend's horror he then started hitting the driver around the head. Rather frightened she got out the car and ran down the road. Only later did she find out that the taxi driver had been caught stealing from his company and they didn't want him to get away with it.

USA

Well, imagine how my sister felt when she went off for the first time to New York for a business trip. After a few days she was still amazed at how friendly everyone was to her until she took a taxi back to her hotel one night. First she gave just the name of the hotel, but when asked she said the address too. Then she was asked how to get there but of course she hadn't a clue. Imagine how frightened she was when he started getting annoyed with her for not knowing the way. She said it was awful.

UK

A friend of a friend was in London for a conference. He took a cab and there were no problems: the driver knew the way and was very cheerful. The problem started when he realized he had stupidly left his laptop on the back seat! He called the company up and, in a panic, went straightaway to their Lost and Found office (and missing some of the conference as a result). He was very happy to find the laptop waiting for him, and then very surprised that it was one of 2,900 left in taxis over the past six months!

Tunisia

Well, my brother took a Mediterranean cruise one summer and had a day in Tunis. He spent most of the afternoon in the Medina buying presents when he suddenly realized he'd completely lost track of time and there was only half an hour before the ship left the port. There had been loads of yellow taxis in the center so he wasn't too bothered until he stood on the pavement and waited for one to appear - and of course there wasn't a single one in sight! Nothing! Frantic, he questioned a passer-by who explained that the cost for the taxi ride goes up in the evening so the taxi drivers disappear until they can charge higher prices! Luckily for my brother the man then offered to give him a lift and he caught the boat in the nick of time!

Which passages mention the following items? Select the correct answers:

- | | | | | | |
|-----|----------------------------------|--------------|------------|--------------|--------------|
| 33. | an animal | (A) Vietnam | (B) Greece | (C) USA | (D) Columbia |
| 34. | an unfriendly taxi driver | (A) USA | (B) UK | (C) Greece | (D) Tunisia |
| 35. | a cruise | (A) Vietnam | (B) Greece | (C) Columbia | (D) Tunisia |
| 36. | a fight | (A) Tunisia | (B) Greece | (C) Vietnam | (D) UK |
| 37. | cost of the ride | (A) USA | (B) UK | (C) Columbia | (D) Tunisia |
| 38. | the airport | (A) Vietnam | (B) Greece | (C) USA | (D) Columbia |
| 39. | a friendly taxi driver | (A) Columbia | (B) UK | (C) Greece | (D) Tunisia |
| 40. | a laptop | (A) Vietnam | (B) UK | (C) Columbia | (D) Tunisia |

SECTION D: ANALYTICAL ABILITY (10 x 2 = 20)

41. A boy has 50 marbles, 35 had some red markings, 20 some blue markings and 12 both red and blue. How many had neither red nor blue markings?
 (A) 7 (B) 8 (C) 15 (D) 23 (E) 30
42. The first number in a series of consecutive odd numbers is 8 less than the last number in the series, how many numbers are there in the series?
 (A) 3 (B) 4 (C) 5 (D) 7 (E) 8

43. A square room has a square carpet symmetrically placed in it. This leaves an area uncovered of 9 m^2 and the area of the whole room is 25 m^2 . The length of one side of the carpet is
(A) 3 m (B) 4 m (C) 5 m (D) 6m (E) 8 m
44. A club collected exactly Tk. 599 from its members. If each member contributed at least Tk. 12, what is the greatest number of members the club could have?
(A) 48 (B) 49 (C) 50 (D) 51 (E) 55

Next 6 questions are based on the following:

Six offices need to be allotted to six officers. The offices are numbered 1 - 6. The offices are arranged in a row and separated from each other by six foot high dividers. Hence voices, sounds and cigarette smoke flow easily from one office to another.

Miss Robert needs to use the telephone quite often throughout the day. Mr. Mike and Mr. Brown need adjacent offices as they need to consult each other often while working. Miss. Hardy is a senior employee and has to be allotted the office number 5, having the biggest window.

Mr. Donald requires silence in the offices next to his. Mr. Tim, Mr. Mike and Mr. Donald are all smokers. Miss Hardy finds tobacco smoke allergic and consecutively the offices next to hers to be occupied by non-smokers.

Unless specifically stated all the employees maintain an atmosphere of silence during office hours.

45. The ideal candidate to occupy the office furthest from Mr. Brown would be
(A) Miss Hardy (B) Mr. Mike (C) Mr. Tim (D) Mr. Donald (E) Miss. Robert
46. Ideally the three employees who are smokers should be seated in the offices.
(A) 1, 2 and 4 (B) 2, 3 and 6 (C) 1, 2 and 5 (D) 1, 2 and 3 (E) 1, 2 and 6
47. The ideal office for Mr. Mike would be.
(A) 1 (B) 2 (C) 3 (D) 4 (E) 6
48. The ideal office for Mr. Brown would be.
(A) 1 (B) 2 (C) 3 (D) 4 (E) 6
49. The ideal candidate to occupy the office next to Miss. Robert would be
(A) Miss Hardy (B) Mr. Mike (C) Mr. Tim (D) Mr. Donald (E) Mr. Brown
50. In the event of what occurrence, within a period of one month, would a request for a change in office be put forth by one or more employees?
(A) Mr. Donald quitting smoking.
(B) The installation of a noisy teletype machine by Miss Hardy in her office.
(C) Miss. Robert needing silence in the office(s) next to her own.
(D) Mr. Brown started using telephone quite often.
(E) Mr. Tim taking over the duties formerly taken care of by Miss. Robert.

- End -