IBA Institute of
Business Administration
Karachi
Leadership and Ideas for Tomorrow

Program (s) Applied for (in order of priority):_____

Application Number: _____ Seat Number: _____

Name: _____ Father's Name: _____

Room Number: _____ Test Center: _____

Note: It is the candidate's responsibility to return the question paper and answer sheet to the invigilator at the end of the test. Non-submission of the testing material may lead to disqualification.

Candidate's Signature: _____

GENERAL INSTRUCTIONS: Candidates must carefully follow the instructions given below and by the instructor / announcer.

1. Please compare & check that the **Seat Number, Your Name & Other information** given on the answer sheet and on the sticker on your chair are correct. Please also write this information in the above box.
2. Use of calculator / mobile phone / smart watch is strictly not allowed.
3. The test is divided into three parts. (Total duration of the test is **2 hours 25 minutes**)
   - Title Page. All Instructions Should Be Examined Carefully – Time allowed: 05 minutes.
     - Mathematics Multiple-Choice Questions **-** Time allowed: 80 minutes.
       - 45 MCQs (01 to 45) (from page 1 to 11)
     - English Multiple-Choice Questions **-** Time allowed: 60 minutes
       - 45 MCQs (46 to 90) (from page 12 to 23)
   Note: While working on an allowed part, candidates are not allowed to go forward or backward to other parts. These parts should be attempted in the order given above.
4. Each question has only one correct answer **(A / B / C / D)**. All answers must be given by FILLING ● the chosen option on the answer sheet. Each correct answer carries **four points.**
5. If the candidate wants to change any of the answers, he/she should erase the previous answer clearly and completely. In case candidate fills more than one options for the same question, the answer will be treated as an incorrect answer. Over writing is not acceptable, such answers will be treated as incorrect answers.
6. There will be **NO NEGATIVE MARKING** in all parts of the test. However, if a candidate does not want to answer any question, he / she MUST FILL ● the option **E** on the answer sheet.
7. When the instructor announces "**STOP**", candidate must close the test booklets and cover it with the answer sheet. Any evidence of cheating or non-compliance with instructions or tearing pages will lead to disqualification from the test and legal action.
8. Making notes / copying questions / solving questions on any paper other than the question booklet and answer sheet / removing the question booklet or answer sheet in their entirety or parts of it from the exam room is strictly prohibited and will lead to disqualification from the test and legal action.
9. The candidate should not mark answers on the question booklet and all answers must be given by FILLING ● the answer sheet with a **pencil**. However, **rough work can be done on the question booklet**. Make sure you do not write anything other than your signature and filling ● against your answers on the answer sheet.
10. IBA reserves the right to revoke/modify any question or part of it.

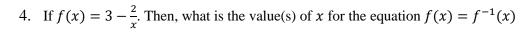**WAIT …... Do not turn over this page until you are told to do so.**

Admission Test for
BS (ECO)/BS (ECO-MATH) / BS (SOCIAL SCIENCES)

OBJECTIVE SECTION'S ANSWERS MUST BE GIVEN ON THE COMPUTERIZED ANSWER SHEET BY FILLING THE CORRESPONDING LETTER

Mathematics Multiple – Choice Questions
(Time Allowed: 80 Minutes)

No. of MCQs: 45 (1 to 45) (from page 1 to 11)　　　　　　　　　　　　　Negative Markings: **No**

1. The cost R rupees, of a tin of salmon varies directly with its mass, m g. The cost of a 450 g tin is Rs.150. What is the mass of a tin costing Rs.200?

    A) 500 g
    B) 300 g
    C) 600 g
    D) 400 g

2. The range of the function $y = x^2 + 2$ is

    A) $y \geq 0$
    B) $y > 0$
    C) $y > 2$
    D) $y \geq 2$

3. If $p(x) = \frac{1}{x-1}$ and $q(x) = \frac{1}{x} + 2$, then $pq(\sqrt{7})$ is

    A) $\frac{1}{\sqrt{7}}$
    B) $\sqrt{7}$
    C) 7
    D) $1/7$

4. If $f(x) = 3 - \frac{2}{x}$. Then, what is the value(s) of x for the equation $f(x) = f^{-1}(x)$

   A) -1,-2
   B) 1,2
   C) -1
   D) 1,-2

5. A ball is dropped from a height of 10 m. Each time it strikes the ground it bounces vertically to a height that is 3/4 of the preceding height. Find the total distance the ball will travel before it stops.

   A) 15/2
   B) 40
   C) 20
   D) ∞

6. Someone goes to by a television. If he pays cash, he gets a discount of 7%. If he pays by installments, he has to pay an extra 10% in interest. The difference between the two methods is Rs.2176. What is the cost of television?

   A) Rs.13800
   B) Rs.128000
   C) Rs.12800
   D) Rs.11800

Questions 7 to 9

A box contains two red sweets and three green sweets. A sweet is selected at random and not replaced. If a red sweet is picked on the first attempt, then two extra reds are placed in the box. If a green sweet is picked on the first attempt, then three extra greens are placed in the box.

On the basis of above statement. Solve questions 7 to 9.

7. The probability of selecting two red sweet is

   A) 4/5
   B) 3/5
   C) 2/5
   D) 1/5

8. The probability of selecting a red sweet and green sweet is

A) 8/15
B) 3/5
C) 11/15
D) 13/15

9. What is the probability of selecting at least one green sweet?

A) 1/5
B) 2/5
C) 3/5
D) 4/5

10. A regular decagon has ten sides. What will be the size of the sum of interior angles?

A) 360^0
B) 1440^0
C) 540^0
D) 720^0

You have finished Mathematics MCQs.
Please Fill⬤the Option E in the answer sheet corresponding to all unanswered MCQs.
The next section is English MCQs.

(Stop: Do not turn over the next page until you are told to do so.)

This page is intentionally left blank.

OBJECTIVE SECTION'S ANSWERS MUST BE GIVEN ON THE COMPUTERIZED ANSWER SHEET BY FILLING THE CORRESPONDING LETTER

English Multiple – Choice Questions
(Time Allowed: 60 Minutes)

No. of MCQs: 45 (46 to 90) (from page 12 to 23)   Negative Markings: **No**

46. After practice, the girls' softball team stated, "We're famished!"
    Famished means:

    A) Fatigued
    B) Hungry
    C) Excited
    D) Ready

47. The newborn baby was enamored with the rattle.
    Enamored means:

    A) Fascinated
    B) Happy
    C) Unsure what to do
    D) Aggravated

48. When having a problem, it is best to dissect the situation then act.
    Dissect means:

    A) Control
    B) Discuss
    C) Ignore
    D) Analyze

For questions 49 to 50, read the following sentences and choose the *best* option for the underlined words:

49. Do you know that these gloves <u>have lay on</u> the bureau all week?

    A) have lay on.
    B) have laid on.
    C) had laid on.
    D) have lain on.

OBJECTIVE SECTION'S ANSWERS MUST BE GIVEN ON THE COMPUTERIZED ANSWER SHEET BY FILLING THE CORRESPONDING LETTER

50. If I <u>would have known</u> about the team tryouts, I would have signed up for them.

    A) would have known.
    B) would had known.
    C) could of known.
    D) had been told.

For questions 51 to 53, Read the following passage and answer the questions that follow:

Compulsory education signified a massive intervention by the educated and the affluent in the private lives of the poor, and it is clear that many working-class families initially resisted. In 1882 Yarra Park had 1742 children on its rolls and an average attendance of a mere 872. And while truancy rates fell over the next thirty years, many Edwardian children were spectacular truants, often aided and abetted by parents who resented the schools that sought to deprive them of their children's labor and company. Many parents saw little value in education that, in their view, wasted time on subjects and skills that were not relevant to paid work. The very poor needed their children in the workforce as early as possible.

But as compulsory attendance became a fact of life, acceptance of the authority of the school grew, because working-class parents came to realize that their children's best hope of escape from poverty lay in education. Nonetheless, some of the Victorian and Edwardian parents who resisted the school's appropriation of their children's time dimly perceived, perhaps, that it was an attack on the autonomy of the family. For all the benefits of the increasing role of the Welfare State and the explosion of the helping professions, there have been some losses among the multitude of gains. Poverty and helplessness have not been abolished, only mitigated. People and families in need have lost some of their autonomy and dignity as politicians, bureaucrats and professionals diagnose and decide for them without asking what they would like. Successful protest through the ballot box only replaces these decision makers with another team who are still politicians, bureaucrats and professionals. And it has been the people of the working class who are least equipped to defend themselves against the modern policing of the family. Their poverty prevents them from making private arrangements to service their needs; their lack of confidence inhibits them from battling the indifference of politicians and bureaucrats; their ignorance intimidates them in the face of doctors, social-workers and, of course, teachers.

51. 'In 1882 Yarra Park had 1742 children on its rolls and an average attendance of a mere 872.'. The writer produces this statistic to suggest that:

A) parents were too ignorant to realize the benefits of schooling for their children.
B) formal education was regarded as unimportant by a large proportion of families.
C) working-class families mounted a campaign against the intrusion of the educated and the affluent.
D) truant children were exceptionally cunning at evading both their parents and the school authorities.

52. In the writer's view, the impact of the Welfare State on working-class families has been:

A) beneficial, although it has weakened their independence.
B) subtle, although it has radically changed the class structure.
C) disastrous, because it has worsened their material situation.
D) negligible, since the benefits have all been in favour of the middle-class.

53. The writer suggests that for working-class people the power of the vote:

A) is useless because all politicians are corrupt and self-interested.
B) has given them the opportunity to put social reform on the agenda.
C) does not represent any real opportunity to increase their autonomy.
D) has had a greater impact on their welfare than compulsory education.

This is the end of English MCQs.

If you finish before time is called, you may check your work on this section only.

Please Fill ● the Option E in the answer sheet corresponding to all unanswered MCQs.

The End

(You Cannot go back to the Mathematics Section)