# APPLIED ECONOMICS RESEARCH CENTRE UNIVERSITY OF KARACHI

#### M.A.S / M.PHIL. PROGRAMME: 2018-19 (MORNING)

# SAMPLE TEST FOR NON-ECONOMISTS

#### READ CAREFULLY THE FOLLOWING INSTRUCTIONS

#### **INSTRUCTIONS**

• The paper contains 80 questions and comprises FIVE following sections.

**General Mathematics** 

**Calculus & Matrices** 

**Data Interpretation** 

Pakistan's Economy

**Basic Economics** 

- Section-I Section-II Section-III Section-IV Section-V
- For each correct answer 1 mark will be awarded. There will be no negative marking for wrong answer.
- Write the capital letter (A E) for the correct choice in the box against each question on the <u>Answer Sheet</u> (provided separately to you) and avoid overwriting.
- More than one answer to any question in the space provided shall be considered wrong.
- Use of <u>**RENCIL</u>** is <u>**NOT</u></u> allowed. Please use <u><b>PEN**</u> to write your answer on the answer sheet.</u></u>
- Rough work can be done on a separate sheet provided for this purpose. Do not write anything on the test booklet.
- Do not detach pages of question paper.
- CALCULATORS ARE NOT ALLOWED.
- Be sure to return the test booklet after completion along with answer sheet. Failure to do so may result in the cancellation of the paper.
- Mobile phones MUST be POWERED OFF.

# NON-ECONOMISTS: 2018-19 (MORNING)

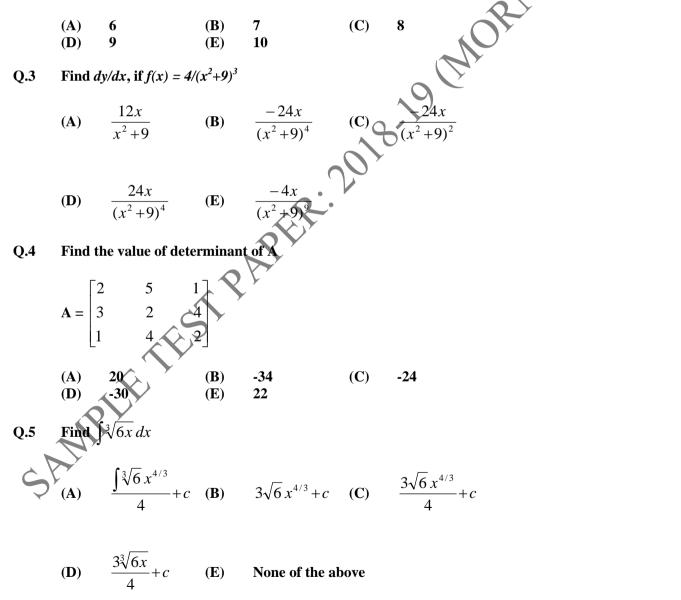
### SECTION - I MATHEMATICS

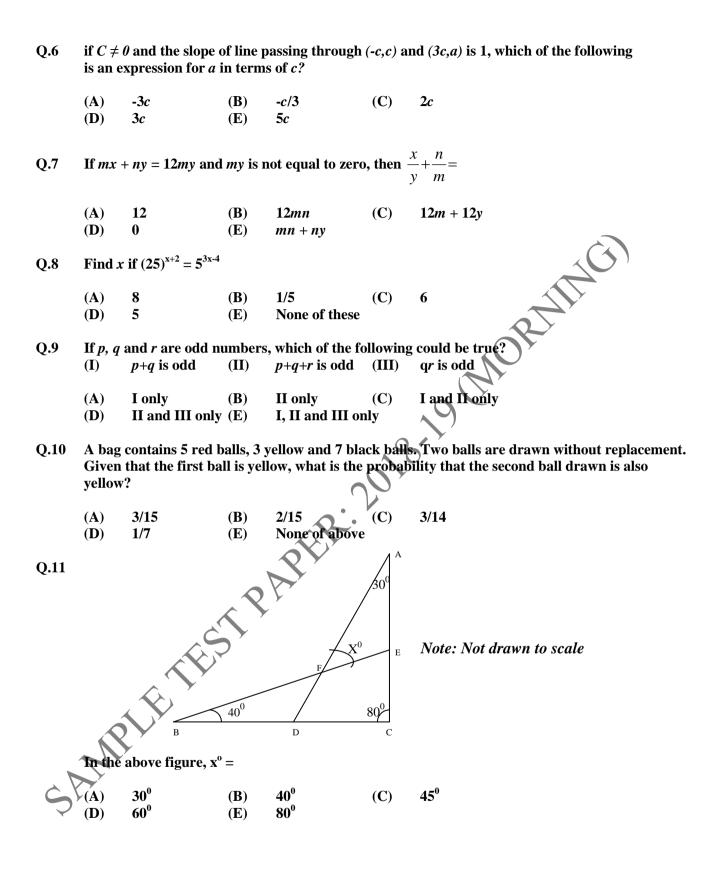
#### Total Marks: (25)

- Q.1 Find the value of lne + log 1/10
  - (A) 1/10
     (B) 10
     (C) 1

     (D) 0
     (E) 2.718

Q.2 Let *A* be the set of primes less than 6, and *B* be the set of positive odd numbers less than 6. How many different sums of the form a + b are possible, if a is A and B is in **B**?

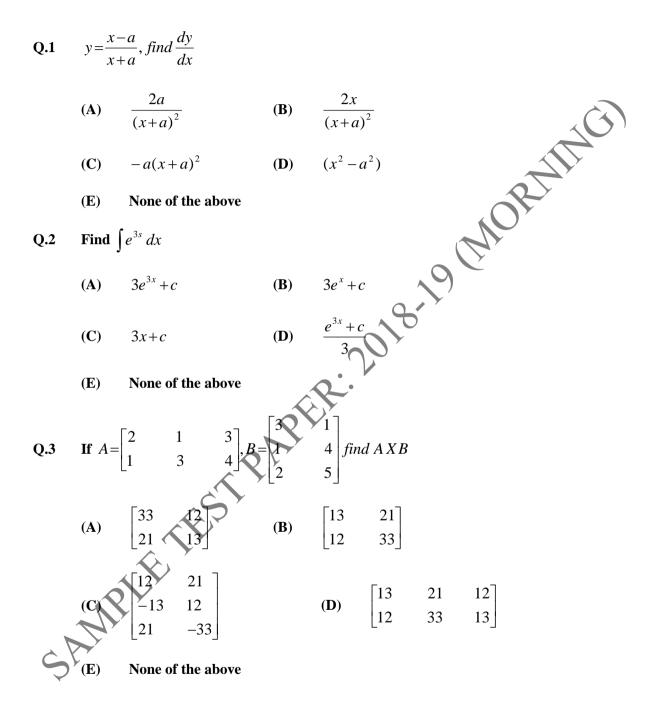




Sample Test Paper

# SECTION – II CALCULUS

# **Total Marks: (15)**



### SECTION – III BASIC ECONOMICS

Total Marks: (10)

**(A)** 

- Q.1 If the CPI in 2000 is 100 and the CPI in 2008 is 110, there has been:
  - Slight inflation (B) light deflation
  - (C) Extreme inflation (D) Extreme deflation
  - (E) Stagflation
- Q.2 The opportunity cost of an item is
  - (A) What you give up to get that item. (B) The dollar value of the item.
  - (C) Usually less than the dollar value of the item.
  - (D) The number of hours needed to earn money to buy the item.
  - (E) None of the above

Q.3 Which of the following is not among the reasons why we need the government?

- (A) The government provides social welfare services for the poor and the needy
- (B) The government provides public goods and services
- (C) The government regulates markets when there is a market failure
- (D) The government provides free food for everyone
- (E) The government imposes laws and controls to protect competitiveness of the

indus

Q.4 The Production Possibility Frontier of a nation shows:

- (A) How much people consume
- (B) How much production takes place with the existing resources
- (C) The prices of products
- (D) The population
- (E) All of the above

Q.5 A person who starts a business to produce a new product in the marketplace is known as:

(A) A manager(B)(C) An Entrepreneur(D)

A bureaucrat

repreneur (D) None of the above

Q.6 If the real gross domestic product of a country has increased, but the production of goods has remained the same, then the production of services has:

(A) Increased

**(C)** 

- (B) Decreased
- Remained the same (D) None of the above

### SECTION – IV DATA INTERPRETATION

**Total Marks: (15)** 

Rank	Number in each Rank	Wages Paid to Employees in Rank
Manager	05	\$110,000
Supervisor	25	\$350,000
Assembly Worker	500	\$600,000
Total	530	\$1060,000

Q.1 The wages paid to managers make up to what percent (the nearest percent) of the total payroll?

(A)	05	<b>(B)</b>	09	( <b>C</b> )	10
<b>(D</b> )	11	<b>(E)</b>	42		

Q.2 The average wage for all employees is

(A)	\$1,200	<b>(B)</b>	\$2,000	( <b>C</b> )	\$18,000
<b>(D</b> )	\$20,000		(E) \$22,00	)0	

*Next three questions refer to the following table:* 

Persons in millions. Civilian non-institutional population as of Nov.01, based on post-election surveys of persons reporting whether or not they voted.

	19	964	1968		19	1972	
Characteristics	Persons of voting age	Percent voted	Persons of voting age	Percent voted	Persons of voting age	Percent voted	
Total	111	69	117	68	136	63	
Male	52	72	-54	70	64	64	
Female	58	67	62	66	72	62	
White	99	71	• 105	69	121	64	
Negro and other	11	57	12	56	15	51	
Negro	10	58	11	58	13	52	
Region:		$\langle \mathbf{O} \rangle$					
North and West	78	75	82	71	94	66	
South	32	57	35	60	43	55	
Age		$\mathbf{\chi}$					
18 – 24 years	10	51	12	50	25	50	
25 – 45 years	45	69	46	67	49	63	
46 – 64 years	38	76	40	75	42	71	
65 years and above		66	18	66	20	63	

Q.3 Which of the following groups had the highest percentage of voters in 1968?

(A) 18 - 24 years (D) 25 - 44 years	<b>(B)</b>	Females	
(D) $25 - 44$ years	<b>(E)</b>	Male	

Q.4 In 1972, what percent (to the nearest percent) of persons of voting age were female? (A) 52 (B) 53 (C) 62

**(C)** 

South

- (D) 64 (E) 72
- Q.5 In 1968, how many males of voting age voted?

(A)	37,440,000	<b>(B)</b>	37,800,000	( <b>C</b> )	42,160,000
<b>(D</b> )	62,000,000	<b>(E)</b>	374,400,000		

## SECTION – V PAKISTAN'S ECONOMY

Total Marks: (15) 0.1 National savings as percent of GDP of Pakistan is around: **(A)** 18% **(B)** 15% **(C)** 11% **(D)** 12% **(E)** 8% Q.2 The major share in total exports of Pakistan consists of: **(A) Carpet and Rugs (B)** Surgical Goods (C) **Textile and Textile Articles (D**) **Leather Goods (E)** Rice The two major sources of federal tax revenues in Pakistan are: Q.3 Sales Tax and Income Tax **(A) Custom Duties and Income Tax (B) (C) Excise Duties and Custom Duties Excise Duties and Custom Duties (D) (E) Sales Tax and Capital Value Tax** The recorded growth in real Gross Domestic Product in fiscal year 2003 was **Q.4 (C)** (A) 4.5% **(B)** 5.1% **(D)** 5.8% Q0/ The total volume of exports of Pakistan in the fiscal year 2003 was close to: Q.5 \$11 billions \$11 trillion \$ 20 billions (A) **(B) (C)** 6 8) billions \$15 billions **(E)**