

Pakistan Institute of Development Economics
Sample Question Paper for Pre-entry Test
MPhil Development Studies

- I. Mathematics 10 percent
II. Statistics: 10 percent
III. English 10 percent
IV. Development Studies 20 percent
Total Questions 50

I. Mathematics

Q1: If there are 5 male and 10 female students in a class, the percentage of male students is:

- a) 3333 b) 3.33 c) 333.3 d) 33.33 e) None of these

Q2: If 5% of a number is 15, then the number is:

- a) 400 b) 100 c) 500 d) 300 e) None of these

Q3: The average score of a player in five matches he played was 120. If the scores in the first four matches were 10, 20, 30, and 60, then the score in the fifth match was:

- a) 450 b) 480 c) 360 d) 100 e) None of these

Q4: The slope of a line through the points $(\frac{1}{2}, \frac{3}{4})$ And $(\frac{-1}{3}, \frac{5}{4})$ is

- a) $\frac{-3}{5}$ b) 0 c) $\frac{1}{5}$ d) $\frac{1}{2}$ e) None of these

Q5: If five times of a number is 20, then the number is:

- a) 2 b) 3 c) 4 d) 5 e) 6

II. Statistics

Q6: The relationship between two different variables is called

- a) Correlation b) Autocorrelation c) Heteroscedasticity d) All a, b, & c e) None of these

Q7: Total area under the standard normal curve is equal to:

- a) 1 b) 0 c) $\frac{1}{2}$ d) 0.5 e) None of these

Q8: A set containing all possible outcomes of experiment is called:

- a) Event b) Sample Space c) Subset d) Power of a set e) None of these

Q9: which of following is not a measure of Central Tendency:

- a) Arithmetic mean b) Harmonic mean c) Standard deviation d) Median e) Mode

Q10: The sum of the deviation of the observations from their mean is always equal to:

- a) -2 b) -1 c) 0 d) 1 e) 2

III. English

Q11: Select the most nearly opposite of: **MOROSE**

- a) Overawed b) Agitated c) Cherubic d) Decisive e) Cheerful

Q12: Choose the word or set of words for the blank that best fits the meaning of the

sentence as a whole:

Social tensions among the adult factions can be _____ by politics, but adolescents and children have no such _____ for resolving their conflicts with the exclusive world of adults

- a) Intensified ... attitude b) complicated ... relief c) frustrated ... justification d) adjusted... mechanism e) revealed... opportunity

Q13: Select the lettered pair that best expresses a relationship similar to that between

ADULT:: CHILD

- a) horse : mare b) cat : kitten c) swine : sow d) human : animal e) cow : herd

Q14: Read following paragraph to answer Questions 14a to 14c:

The dark regions in the starry night sky are not pockets in the universe that are devoid of stars as had long been thought. Rather they are dark because of interstellar dust that hides the stars behind it. Although its visual effect is so pronounced, dust is only a minor constituent of the material, extremely low in density that lies between the stars. Dust accounts for about one percent of the total mass of interstellar matter. The rest is hydrogen and helium gas with small amounts of other elements. The interstellar material, rather like terrestrial clouds, comes in all shapes and sizes. The Average density of interstellar material in the vicinity of our Sun is 1,000 to 10,000 times less than the best terrestrial laboratory vacuum. It is only because of the enormous interstellar distances that so little material per unit of volume becomes so significant. Optical astronomy is most directly affected, for although interstellar gas is perfectly transparent, the dust is not.

Q 14a: According to the passage, which of the following is a direct perceptual consequence of interstellar dust?

- a) Some stars are rendered invisible to observers on Earth b) Many visible stars are made to seem brighter than they really are.
c) The presence of hydrogen and helium gas is revealed d) The night sky appears dusty all the times to observers on Earth
e) The dust is conspicuously visible against a background of bright stars

Q 14b: It can be inferred from the passage that the density of interstellar material is

- a) Higher where distances between the stars are shorter b) Equal to that of interstellar dust
c) Usually low in the vicinity of our Sun d) Independent of the incidence of gaseous components
e) Not homogenous throughout interstellar space

Q14c: It can be inferred from the passage that it is because space is so vast that

- a) Little of the interstellar material in it seems substantial b) Normal units of volume seem futile for measurement of density
c) Stars can be far enough from Earth to be obscured even by sparsely distributed matter d) Interstellar gases can. For all practical purposes, be regarded as transparent
e) Optical astronomy would be of little use even if no interstellar dust existed

IV. Development Studies

Q15: In social research methodology, PRA stands for

- a) Personal Research Art
- b) Pre Research Arrangements
- c) Post Research Arrangements
- d) Participatory Rural Appraisal
- e) None of the Above

Q16: In development and economics field of studies, Amartya Sen is best known for

- a) Right based approach
- b) Capability approach
- c) Need-based approach
- d) Participatory approach
- e) None of these

Q Which of the following is not included in the World Bank Group

- a) International Monetary Fund (IMF)
- b) The International Centre for Settlement of Investment Disputes (ICSID)
- c) International Development Association (IDA)
- d) The International Finance Corporation (IFC)
- e) Multilateral Investment Guarantee Agency (MIGA)

Q18: In Millennium Development Goals, health is directly addressed in

- a) Goal 4
- b) Goal 5
- c) Goal 6
- d) All a, b & c
- e) None of a, b & c

Q19: Green Revolution can be best described as

- a) A combination of research, development, and technology transfer in agricultural field
- b) Reborn of traditional agricultural practices
- c) A belief that agriculture is superior to industry and service sectors
- d) A belief that large scale agricultural farms should be preferred over the small scale agricultural farms
- e) None of a, b, c & d

Q20: In gender studies, the term 'Glass Ceiling' normally refers to

- a) inequality in wages between men and women of the same educational level
- a) Cultural barrier on men and women to marry with a person of their choice
- b) A description of traditional gender roles
- c) All a, b & c
- d) None of a, b & c

Good luck for your preparation