POST GRADUATE PROGRAMME IN MANAGEMENT FOR WORKING EXECUTIVES IN MUMBAI (PGPMX) LEADING TO THE AWARD OF MASTER OF BUSINESS ADMINSTRATION

SAMPLE QUESTION PAPER

1) If most of the observations are clustered around the lower end of the scale, then the distribution of the data is
   a) negatively skewed
   b) bi-modal
   c) positively skewed
   d) homoscedastic

2) A water pump can discharge water 10 cubic meters per minute faster than it can fill. It takes the pump eight minutes less to empty a 2400 cubic meter tank than it does to fill it. The rate of discharge of the pump is
   a) 30 cubic meter per minutes
   b) 40 cubic meter per minutes
   c) 50 cubic meter per minutes
   d) 60 cubic meter per minutes

3) How much should Manu give Manisha from Rs.8410 so that the amount Sara has after six years of investing his remaining share in a fixed deposit is equal to the amount Manisha has after eight years of investing his share fixed deposit? The annual compound interest rate on fixed deposit is 5%.
   a) 5000
   b) 3000
   c) 4000
   d) 6000

4) The mean of five numbers is100, while the lowest number is 90. The greatest range possible for the given set of numbers is
   a) 40
   b) 50
   c) 80
   d) 90

5) John cuts his circular anniversary cake with fie district straight cuts. The least amount of pieces he can get is
   a) 5
   b) 6
   c) 7
   d) 3

6) Read the following passage and choose the answer that is closest to eachof the questions that are based on the passage.

Six Hockey teams A, B, C, D, E and F participated in a league. Each pair of teams played exactly one match against one another. Any team receives 2 points for a win, 1 point for a tie, and no points for a loss. Both teams E and F finished with fewer than five points. The final points table for the tournament is as follows (some entries are omitted)

Teams	Played	Wins	Losses	Draws	Points
A	5		0		8
B	5		2		6
C	5		2		5
D	5		1		5
E	5		1		
F	5				

It is known that: (1) Team B defeated Team C, and (2) Team C defeated Team D.

Question : Team E lost to

a) Teams A and B only
b) Only Team A
c) Only Team B
d) Teams A, B and D only

Reading Comprehension

Directions: Answer the questions after reading through the passage. Base your answers on information that is either stated or implied in the passage.

Passage 1:

Ludwig Wittgenstien asserted that with the publication of his Tractatus Logico-Philosphicus he had solved all philosophical problems and retired to teach mathematics at the secondary level. He believed he had achieved this through his exploration of the logic of language, which he referred to as his "picture theory" of language. Wittgenstein's contention was that the world consisted of a collection of interconnected "facts" that created "pictures" of the world through propositions. These propositions are meaningful if they picture matters of empirical fact, such as "Meri is six feet tall". In order for these linguistic pictures to accurately present facts, they must have the same logical structure as matters of empirical fact.

The problem is that philosophical propositions, such as "truth is beauty", are not matters of empirical fact. Since language itself is based on this relationship philosophers cannot extricate themselves from the realm of language in order to actually say anything about whether or not the "pictures" have the same logical structure as facts. One important consequence of this argument is that it is nonsensical to discuss philosophical problems. The propositions that

philosophers commonly make are not technically wrong but nonsensical. For Wittgenstein, the ultimate goal of philosophy itself is not the actual study of the pursuit of "truth". Philosophy has more to do with clarifying the relationship between language and truth than itself. The Tractatus ends up subverting its own claims by concluding that the kind of propositions of which it is composed are senseless. The most commonly quoted excerpt from the book us the proposition "What we cannot speak about we must pass over in silence".

Question 7 : The author believes Wittgenstein would likely agree with which of the following statements?

a) The truth is not beautiful
b) Beauty is not truthful
c) Something cannot be both truthful and beautiful
d) The proposition "truth is beauty" is nonsensical.

Question 8 : Based on the context of the passage, the author's use of the word "empirical" most nearly means which of the following?

a) Verifiable by experimentation
b) True
c) Subjective
d) Nonsensical.

Passage 2:

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the kind of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favour. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain. A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indians feel under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of water route across the continent. This ship sang, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early sprint of 1521 after 98 dayson the Pacific Ocean. During those long days at sea, many Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

Question 9 : The 16th century was an age of great _____ exploration.

a) Cosmic
b) Land
c) Mental
d) Common man.

Question 10: Magellan lost the favour of the king of Portugal when he became involved in a political _____

a) Entanglement
b) Discussion
c) Negotiation
d) Problem.

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