

Aptitude Questions-2

(Source: Online Exam Mock Test provided by IITM)

- 1)

<i>Which of the following options is the closest in meaning to the word below:</i> Ephemeral	
A.	effeminate
B.	ghostlike
C.	soft
D.	short-lived
- 2)

<i>The question below consists of a pair of related words followed by four pairs of words. Select the pair that best expresses the relation in the original pair.</i> Erudition : Scholar	
A.	steadfast : mercurial
B.	competence : strict
C.	skill : craftsman
D.	nurse : doctor
- 3)

<i>Choose the most appropriate word from the options given below to complete the following sentence:</i> The two child norm with _____ for the violators will have significant implications for our demographic profile.	
A.	disincentives
B.	incitements
C.	restrictions
D.	restraints
- 4)

<i>Choose the most appropriate word from the options given below to complete the following sentence:</i> There is no fixed relation between food and famine; famines can occur with or without substantial _____ in food output.	
A.	aberration
B.	weakening
C.	decline
D.	deterioration

5) Consider the function $f(x) = \max(7-x, x+3)$. In which range does f take its **minimum** value?

A.	$-6 \leq x < -2$
B.	$-2 \leq x < 2$
C.	$2 \leq x < 6$
D.	$6 \leq x < 10$

6) It has taken fifty six long and frustrating years to turn bronze into gold for India's Olympics aspirations. Beijing 2008 marks a defining moment in India's Olympic history. From Delhi to Beijing is a long journey but one that our Olympians have undertaken with courage.

Which of the following statements best sums up the meaning of the above passage:

A.	India's participation in Olympics has been frustrating.
B.	Beijing Olympics was a landmark in India's Olympic history.
C.	Our Olympians have undertaken a long journey to Beijing.
D.	India's bronze medal turned into gold at Beijing.

7) Consider the series $\frac{1}{2} + \frac{1}{3} - \frac{1}{4} + \frac{1}{8} + \frac{1}{9} - \frac{1}{16} + \frac{1}{32} + \frac{1}{27} - \frac{1}{64} + \dots$. The sum of the infinite series above is:

A.	∞
B.	$\frac{5}{6}$
C.	$\frac{1}{2}$
D.	0

8) A gathering of 50 linguists discovered that 4 knew Kannada, Telugu and Tamil, 7 knew only Telugu and Tamil, 5 knew only Kannada and Tamil, 6 knew only Telugu and Kannada. If the number of linguists who knew Tamil is 24 and those who knew Kannada is also 24, how many linguists knew only Telugu?

A.	9
B.	10
C.	11
D.	8

9)

A tank has 100 litres of water. At the end of every hour the following two operations are performed in sequence: i) water equal to $m\%$ of the current contents of the tank is added to the tank, ii) water equal to $n\%$ of the current contents of the tank is removed from the tank. At the end of 5 hours the tank contains exactly 100 litres of water. The relation between m and n is:	
A.	$m = n$
B.	$m > n$
C.	$m < n$
D.	None of the previous.

10)

A student is answering a multiple choice examination with 65 questions with a marking scheme as follows: i) 1 mark for each correct answer, ii) $-\frac{1}{4}$ for a wrong answer, iii) $-\frac{1}{8}$ for a question that has not been attempted. If the student gets 37 marks in the test then the least possible number of questions the student has not answered is:	
A.	6
B.	5
C.	7
D.	4