

FMS PAPER: (05-12-2010)

SECTION 4

Analytical Ability (50 Questions)

Information for Question Nos. 151 to 155 :

Five experts on Nano-technology involved in an International Research Project hold a Quarterly Review Meeting in Singapore. There are certain limitations on their language skills. Expert R1 knows only Japanese and Hindi; R2 is good at Japanese and English; R3 is good at English and Hindi; R4 knows French and Japanese quite well; and R5, an Indian, knows Hindi, English and French.

151. Besides R5, which of the following can converse with R4 without an interpreter ?
- (1) Only R1 (2) Only R2
(3) Only R3 (4) Both R1 and R2
152. Which of the following cannot converse without an interpreter ?
- (1) R2 and R5 (2) R1 and R2
(3) R1 and R3 (4) R3 and R4
153. Choose the language that is least commonly used at the meeting.
- (1) English (2) French
(3) Japanese (4) None of the above
154. Which of the following can act as an interpreter when R3 and R4 wish to discuss ?
- (1) Only R1 (2) Only R2
(3) Only R5 (4) None of the above
155. Suppose a sixth Expert R6 joins into chair the session so that maximum number of the earlier five is able to understand him, he should be fluent in :
- (1) English and French (2) Japanese and Hindi
(3) English and Hindi (4) None of the above

Information for Question Nos. 156 to 158 :

In the English alphabet, letters from A to M denote numeric values from 1 to 13 (such that A is 1, B is 2,) and letters from N to Z denote numeric values from -13 to -1 (such that N is -13, O is -12,).

156. The numeric value of which of the following equations will be a whole number ?
- (1) KISS/RAPP (2) HIS/HELL
(3) HISS/YOUR (4) None of the above

157. Assuming that the salaries are basically coded with the help of employee names using the code given above, who among the following will be drawing the highest salary ?

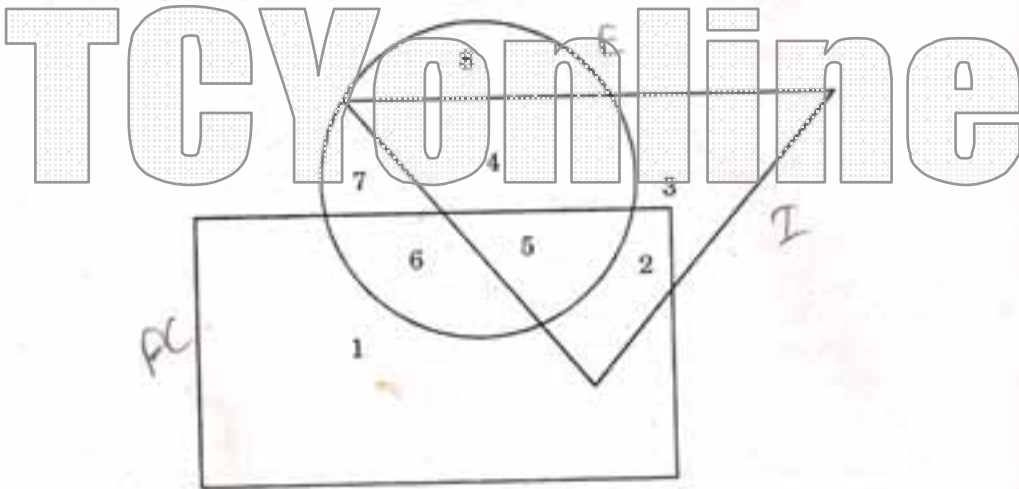
- (1) PREM
- (2) SHAN
- (3) RAMU
- (4) None of the above

158. Following the above mentioned code, which of the following will be true ?

- (1) GS-TSZ = 0
- (2) PRO = DLW
- (3) ROD = YET
- (4) None of the above

Information for Question Nos. 159 to 162 :

An Airline Company has divided the potential market into three categories through a market survey for the purpose of implementing a Customer Relationship Management Programme. The rectangle given in the diagram below represents Economy Class passengers. The circle represents working Executives and the triangle represents the Indians.



159. A signature hotel is launching a service for Executives who travel Economy Class but are not Indians. Which segments should it concentrate in the diagram above ?

- (1) 7
- (2) 6
- (3) 5 and 6
- (4) None of the above

160. A travel agency wishes to target passengers who are Executives and who travel by Economy Class. Which segments in the diagram should it aim?
- (1) 6 and 5 (2) 6 and 7
(3) 2, 5 and 8 (4) None of the above
161. The Indian Executives who do not travel by Economy Class are represented by the space numbered :
- (1) 7 (2) 3
(3) 2 (4) None of the above
162. The Airline Company wishes to target Economy Class, non-Executive passengers for In-flight Duty Free Shopping. Which area must it focus on? TCYonline.com
- (1) 6 and 5 (2) 6 and 2
(3) 1 and 2 (4) None of the above
163. Manish is Chitra's son. Chitra and Simran are sisters. Dibben is Simran's mother. Sagar is the son of Dibben. Which of the following statements is true?
- (1) Sagar and Manish are cousins
(2) Sagar is the paternal uncle of Manish
(3) Simran is Manish's grandmother
(4) Chitra and Sagar are siblings
164. A+B means A is the boss of B; A - B means A is the subordinate of B; and A*B means A is the colleague of B. Given Devesh - Shirish + Kartik, which of the following is certainly true?
- (1) Shirish is the boss (2) Devesh is the boss
(3) Kartik is the boss (4) None of the above
165. A group of students is organized in two rows, crossing each other. If a student is tenth from all ends, how many students are there in the group?
- (1) 27 (2) 47
(3) 37 (4) 39

171. Who stay in the same flat ?
- (1) Ambrish and Amit (2) Manu and Tarun
 (3) Amit and Manu (4) Rohit and Tarun
172. The Chess player is a :
- (1) Power engineer (2) Mechanical Engineer
 (3) Design engineer (4) Quality inspector

Information for Question Nos. 173 to 175 :

P, Q, R, S, T and X are six persons who decided to start a partnership business in computer hardware. Q, R and T are ladies and the rest are men. P, Q, R and X are well versed in hardware but the others do not know much about hardware. Q, S and X know marketing, but the others do not know anything about marketing.

173. The male partner who knows marketing but does not know computer hardware :

- (1) S (2) P
 (3) X (4) Q

174. The female partner who is well versed in computer hardware but does not know marketing :

- (1) X (2) Q
 (3) T (4) R

175. The female partner who neither knows hardware nor marketing :

- (1) R (2) Q
 (3) T (4) X

Information for Question Nos. 176 to 178 : TCYonline.com

In a cycling race, five participants from various nations — Chinese, Nepalese, Indian, Iraqi and English — take part. Track 1 is extreme left and Track 5 is extreme right. The following conditions exist :

- (i) The Nepalese and the Englishmen are not cycling adjacent to each other.
 (ii) The Iraqi is not in one of the extreme tracks.
 (iii) The Chinese is to the left of the Indian.

176. If the Nepalese is in Track 3, the Chinese in Track 1, then the Indian could be in :

- (1) Track 4 (2) Track 2
 (3) Track 2 or 4 (4) None of the above

177. If the Nepalese is in Track 4 and the Indian is in Track 3, then the Englishman could be in :
- (1) Track 1 (2) Track 2
 (3) Track 1 or 2 (4) None of the above
178. If the Iraqi is to the left of the Chinese, then the Iraqi could be in :
- (1) Track 2 only (2) Track 3 only
 (3) Track 2 or 3 (4) None of the above

Information for Question Nos. 179 to 181 :

In each of these questions, jumbled alphabets of a meaningful word are given. You are to rearrange the alphabets and select from the given alternatives the word which is almost opposite in meaning to the rearranged word.

179. E N T L E S I T O S I T
- (1) gentle (2) submissive
 (3) aggressive (4) indifferent
180. N E M I C U E C P D :
- (1) unconcerned (2) modesty
 (3) honesty (4) silence
181. C L V A I G N I A L T :
- (1) fascinating (2) fanaticism
 (3) resolute (4) indolence
182. A hunter has just returned after a day's bird shooting. He was asked how many birds he had in his bag. He answered, "They are all sparrows but six, all pigeons but six, and all doves but six." How many birds did he have in his bag ?
- (1) 18 (2) 9
 (3) 27 (4) None of the above

Information for Question Nos. 183 to 186 :

Mohan is Rakesh's paternal uncle. Ritu is Rakesh's daughter. Madhav is Ritu's younger brother. Mukesh is Ritu's husband. John is Sunita's son. Tinu is Madhav's sister. Kulwant is Rakesh's father. Pushpa is Kulwant's sister. Kaushalaya is Mohan's wife. Gagan is Mohan's son. Sunita is Kulwant's daughter.

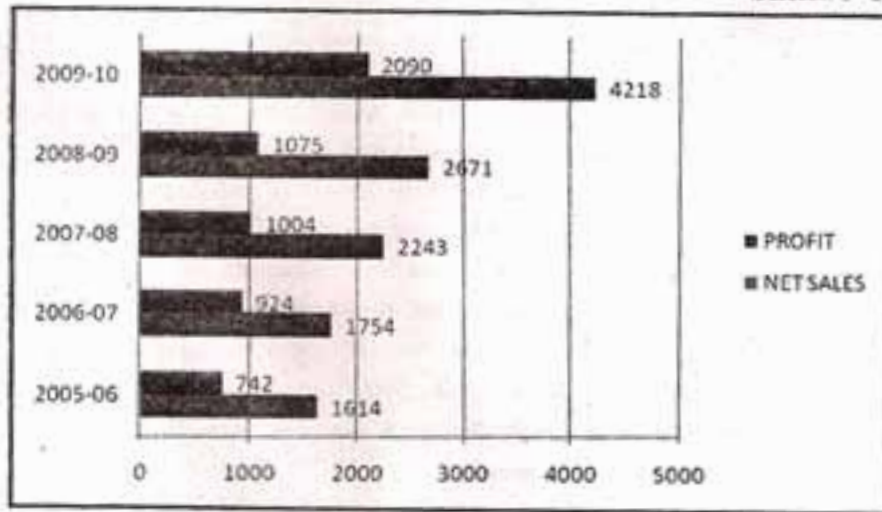
183. How is John related to Kulwant?
 (1) Nephew (2) Grandnephew
 (3) Grandson (4) Great Grandson
184. Tinu is John's
 (1) Aunt (2) Cousin Sister
 (3) Sister (4) Niece
185. Mukesh is Gagan's
 (1) Nephew (2) Brother
 (3) Brother-in-law (4) Nephew-in-law
186. From this data, which of the following statements can be said to be correct ?
 (1) Mohan is younger than Kulwant
 (2) Mukesh and Gagan do not share the same surname
 (3) Madhav is younger than Rakesh
 (4) Pushpa is younger than Mohan

Information for Question Nos. 187 to 189 :

All the vowels in the English Alphabet are retained in their original places and the remaining letters are written in the reverse order. The new sequence looks like : A,Z,Y,X,E,W,..... . Now each of the letters in the new sequence represents the letter in the original sequence.

187. Which one of the following is a valid word in the new sequence ?
 (1) PUNYT (2) VTFHC
 (3) PREHG (4) None of the above
188. Which one of the following represents the name of a country ?
 (1) ITXNA (2) YTOHV
 (3) YTINA (4) None of the above
189. Which one of the following is the name of a popular brand ?
 (1) FILLS (2) NIPKA
 (3) AKIEQ (4) None of the above
190. Which one of the following is not a valid word in the new sequence ?
 (1) PUJYQE (2) WQOOX
 (3) JHINH (4) None of the above

SERIES 16



Evaluate the pairs of statements in each question on the basis of data given in charts and mark :

- (1) if only Statement I is correct.
- (2) if only Statement II is correct.
- (3) if both the Statements are correct.
- (4) if none of the Statements is correct.

191. Statement I : The Networth to Borrowings ratio has been the lowest in the year 2008-09.
 Statement II : The Profit to Networth ratio has been the highest in the year 2008-09. **Answer (1)**
192. Statement I : Percentage Profit growth over the previous year has been the lowest in the year 2008-09.
 Statement II : The Profit to Net Sales ratio has been the highest in the year 2006-07. **Answer (3)**
193. Statement I : Percentage Value Added growth over the previous year has been the highest in the year 2009-10.
 Statement II : The Profit to Networth ratio has been the lowest in the year 2007-08. **Answer (1)**

194. Statement I : Percentage Value Added growth over the previous year has been the highest in the year 2007-08.
Statement II : Percentage Value Added growth over the previous year has been the lowest in the year 2006-07. **Answer (2)**
195. Statement I : Profit to Net Sales ratio has been consistently improving over the period under review.
Statement II : Profit to Networth ratio has not been consistently improving over the period under review. **Answer (4)**
196. Statement I : Net Sales to Networth ratio has been less than 15% in all, but one, years.
Statement II : Profit to Networth ratio has been more than 5% in all, but one, years. **Answer (3)**
197. Statement I : Profit to Net Sales ratio suffered in the year 2007-08 as compared to the previous year.
Statement II : Profit to Net Sales ratio was the highest in the year 2008-10. **Answer (1)**
198. Statement I : Percentage Value Added growth over the previous year has been the highest in the year 2008-10.
Statement II : Percentage Value Added growth over the previous year has been the lowest in the year 2006-07. **Answer (3)**
199. In a certain code, the word CARTOON is written as BBQUNPM. Using this code, OSHNZSX will stand for the word :
(1) CURSORY (2) CORRECT
(3) NETWARE (4) None of the above
200. Five newly extracted diamonds were weighed by a diamond mine worker. In his report card he pointed out that diamond A is lighter than diamond B. Diamond C is lighter than diamond D. Diamond B is lighter than diamond D but heavier than diamond E. Which diamond is the heaviest among all of them at the time of extraction ? TCYonline.com
(1) E (2) D
(3) C (4) None of the above