

May and January in April and February

Directions (Q. 133-136): Study the table to answer these questions.

Table — Number of Cancer Cases over Two Years for Selected Countries

Country	2006 (Cases in '00)	2006 (Rate per 10,000)	2007 (Cases in '00)
A	53	0.1	46
B	345	2.1	145
C	87	1.1	39
D	81	33.9	26
E	84	0.8	23
F	1365	0.9	209
G	661	13.0	239
H	516	1.9	236
J	36	0.2	16
K	95	1.8	23
L	262	3.9	156
M	19	0.0	18
N	1862	3.3	563
P	47	56.2	11
Q	49	0.5	18
R	337	5.0	235
S	61	1.2	35
T	17	0.3	12
U	896	1.5	235
V	39	1.4	14
W	31	0.0	5
X	501	0.6	12
Y	217	1.4	73
Z	31	0.9	22
AA	39	0.8	13
AB	46	0.4	35
AC	48	0.1	21
AD	71	0.8	32
AE	162	2.4	83
AF	655	1.1	241
AG	21,861	8.9	6445
AH	869	1.4	219
AJ	19	0.0	13

All countries that have reported more than five hundred cancer cases to the WHO in 2007 are listed

here. The left column gives the total number of cases reported by each country for 2006, the middle column gives the 2006 rate (cancer cases per 10,000 population) and the last column shows the number of cases reported in early 2007.

Most of the 2007 reports were for only the first quarter of the year. Owing to reporting delays of six months or more, cases reported in 2007 actually were diagnosed in 2006.

133. What is the population of AD on the basis of the reported cases of cancer in 2006 (in thousands)?

- 1) 825,000 2) 812,500
3) 810,000 4) None of these

134. Which country has reported the second highest number of cancer cases to WHO during 2006?

- 1) N 2) AG 3) F 4) U

135. The countries which have reported less than 2000 cases both in 2006 and early 2007 are

- 1) M, J and P 2) V, AJ and W
3) W, M and T 4) M, T and AJ

136. Which of the following are true from the table?

- I. The reported cancer cases of M, W and AJ as compared to their population are negligible.
II. The 2006 rate is highest for P though the reported cases are only 4700.
III. The population of R is 664,000 in 2006.
IV. P reported more than 20,000 cases of cancer in early 2007.

- 1) I, II and III 2) II and III
3) I and II 4) I, II and IV

Directions (Q. 137-140) : Refer to the following Tables (A) and (B) to answer these questions.

Table (A): Production of Inorganic Chemicals

Description	Production (tonnes)	
	2002-03	2003-04
Bleaching Powder	60,043	51,434
Aluminium Chloride	31,908	31,176
Sodium Tripoly Phosphate	60,639	60,041
Sodium Bicarbonate	61,615	72,895
Calcium Carbonate	143,980	142,125
Chlorine and Liquid Chlorine	717,220	718,530
Calcium Carbide	83,445	83,388
Titanium Oxide	30,422	19,624

Table (B): Production of Organic Chemicals

Description	Production (tonnes)	
	2003-04	2002-03
Ethylene Glycol	327,387	454,371
Formaldehyde	140,384	145,590
Fatty Acids	99,320	113,851
Aniline	44,273	39,340
Acetone	45,657	44,500
Acetic Acid	208,921	212,319
Phthalic Anhydride	127,318	125,959
Benzene	329,000	373,000
Xylenes	147,288	156,000
Phenol	69,281	66,210

137. The ratio of the number of organic chemicals for which the production has fallen to the number of inorganic chemicals for which production has fallen is
- 1) 2 : 3 2) 3 : 2
3) 6 : 5 4) 1 : 1
138. Of all chemicals shown, the highest percentage increase in production has been exhibited for
- 1) Aniline 2) Ethylene glycol
3) Fatty acids 4) Sodium bicarbonate
139. The chemical, whose production in 2003-04 as a proportion of its total production for the two-year period was the lowest, is
- 1) Aniline 2) Ethylene glycol
3) Fatty acids 4) None of these
140. If productive volatility is defined as the percentage change in production, and it is known that any chemical whose productive volatility is greater than 5% is classified as highly volatile, then how many chemicals are not highly volatile (amongst organic chemicals)?
- 1) 6 2) 5 3) 4 4) None of these

Directions. (Q. 141-144): Choose the correct option for the given blanks.

141. Pipes are not a safer _____ to cigarettes because, though pipe smokers do not inhale, they are still _____ higher rates of lung and mouth cancers than non-smokers.
- 1) alternative — subject to
2) answer — responsible for
3) preference — free from
4) rejoinder — involved in
142. Because of its tendency to _____, most Indian

art is _____ Japanese art, where symbols have been minimized and meaning has been conveyed by using the method of the merest suggestion.

- 1) overdraw — similar to
2) understate — reminiscent of
3) imitate — superior to
4) sentimentalism — supportive of
143. In the absence of native predators to stop the spread of their population, the imported goats _____ to such an inordinate degree that they overgrazed the countryside and _____ the native vegetation.
- 1) thrived — threatened
2) suffered — abandoned
3) propagated — cultivated
4) dwindled — eliminated
144. The analysis of the coach's report was anything but _____ but those of us who have learned to discount such dismal _____ are optimistic.
- 1) malicious — benefits
2) sanguinary — traps
3) pessimistic — confusion
4) pleasant — prognostications

Directions (Q. 145 -148): Each of these questions has a set of four sentences marked A to D. Identify the arrangement of these sentences which makes a logical sequence.

145. (A) It marks off the beginning of mathematics from what went before.
(B) Ever since this discovery, abstraction has been a major theme in the development of mathematics, as those interested in the field have come up with ideas further and further divorced from their basis in the real world, and then sought ways to bring them back to tell us things about the real world which we might otherwise not have known.
(C) The discoverer of abstraction was the person who first realised that numbers are independent of the objects being counted, that two oranges and two apples (for instance) share a property, 'twness', which is independent of what kinds of fruit they are.
(D) Abstraction, the action of divorcing properties of physical objects from the objects themselves, is a fundamental concept, perhaps the most fundamental concept, in mathematics.
- 1) CBAD 2) DBCA 3) DACB 4) DABC
146. (A) The accommodation theory, in linguistics, starts from the premise that speech accommodation takes place when people modify their speech so that it conforms more with the way their conversational partners speak.
(B) For example, the speed at which people talk, the length of both pauses and utterances, the kind of vocabulary and syntax used, as well as intonation, voice pitch and pronunciation are all subject to the accommodation process.

- (C) A wide range of subtle adaptations have been observed, which tend to occur more or less unconsciously.
- (D) This kind of convergence is by no means an automatic feature of all conversations, and we can discern certain social contexts in which accommodation can be predicted.
- 1) BDAC 2) DABC 3) ACBD 4) ABCD
147. (A) Fossil evidence suggests that the mammals underwent adaptive radiation to produce the range of mammal types extant today.
- (B) Adaptive radiation, in the life sciences, refers to the differentiation (or anagenesis) of one or a few species into many to fill a large number of related ecological niches by adaptation.
- (C) Thus the first bird species may have given rise to many more bird species by adaptive radiation.
- (D) Typically, a species adapts to colonize a new habitat and, this adaptation opening up a new range of niches, adapts again to fill the new niches which are presented.
- 1) CBAD 2) BDCA 3) BADC 4) CBDA
148. (A) When the future date arrives, the bear expects to buy in at a lower price to deliver the stock that had been sold under the future contract at a higher price.
- (B) A market in which prices are falling or are expected to fall is called by economists a bear market.
- (C) Likewise, the term bear can be applied to a person who expects stock prices to fall and sells stock that he or she does not have for delivery at a future date.
- (D) It is a designation commonly used in securities markets and commodity markets and is the opposite of a bull market.
- 1) BDCA 2) BCAD 3) BACD 4) ACBD
- Directions (Q. 149-152): In each of these questions, a part of the sentence has been underlined. Find the best way of writing the underlined part of the sentence.**
149. To prepare himself, he subjected himself to two weeks of total abstinence and intensive training in the open fields of Panipat, climbing the hills nearby 30 times, spend nights in the open and to test to see how long he could hold out without food.
- 1) spending nights in the open by climbing the hills nearby 30 times and tested for seeing
 - 2) climbed the hills nearby 30 times, spending nights in the open and tested to see
 - 3) ~~climbing~~ the hills nearby 30 times, spend nights in the open and to test to see
 - 4) climbing the hills nearby 30 times, spending nights in the open and testing to see
150. In rural India, many mango trees are planted at the end of a village or at the border of a district, for providing excellent shade during summer, and shelter during winter.
- 1) in order to provide excellent shade in summer, and shelter in winter.
 - 2) to provide excellent shade in summer, and shelter in winter.
 - 3) for providing excellent shade during summer, and shelter during winter.
 - 4) so as to excellently provide shade in summer, and shelter in winter.
151. Mental intelligence and common sense are essential for outstanding achievement because they involve your natural ability to comprehend difficult concepts quicker and to analyse them clearly and incisively.
- 1) your natural ability of comprehension of difficult concepts quickly and clear and incisive analysis of it.
 - 2) one's natural ability for the comprehension of difficult concepts quickly and analysing them clearly and incisively.
 - 3) your natural ability to comprehend difficult concepts quicker and to analyse them clearly and incisively.
 - 4) one's natural ability to comprehend difficult concepts quickly and to analyse them clearly and incisively.
152. Panchayati Raj institutions are now entrusted upon the execution of all rural upliftment schemes and programs in India.
- 1) entrusted with the execution of all rural upliftment schemes and programs
 - 2) entrusted with the execution of all rural uplift schemes and programs
 - 3) entrusted upon the execution of all rural upliftment schemes and programs
 - 4) entrusted within the execution for all rural uplift programs and schemes
- Directions (Q. 153-156): Each question has a given sentence. Identify the best way of writing the sentence in the context of the correct usage of standard written English. While doing so, ensure that the message being conveyed remains the same in all the cases.**
153. Having bowed our heads, the priest in the temple led us in prayer.
- 1) After we bowed our heads, the priest in the temple led us to prayer.
 - 2) Having bowed our heads, the priest in the temple led us to prayer.
 - 3) Having bowed our heads, the priest in the temple led us in prayer.
 - 4) After we had bowed our heads, the priest in the temple led us in prayer.
154. Anyone interested in flying planes can learn much if you have access to a flight simulation machine.
- 1) Anyone interested in flying planes can learn much if access is available to a flight simula-

- tion machine.
- 2) Anyone interested in flying planes can learn much if he has access to a flight simulation machine.
 - 3) Anyone interested in flying planes can learn much if you have access to a flight simulation machine.
 - 4) Anyone interested in flying planes can learn much from access to a flight simulation machine.
155. The moral of the entire story is how money doesn't make you happy.
- 1) In this novel, the moral of the story is how money doesn't make you happy.
 - 2) The moral of the entire story is that money doesn't make you happy.
 - 3) The moral of the entire story is how money doesn't make you happy.
 - 4) That money does not make you happy, is the entire moral of the story.
156. Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorised act.
- 1) Ever since the sting operation, there has been much opposition from those who maintain that it was an unauthorised act.
 - 2) Ever since the sting operation, there has been much opposition from they who maintain that it had been an unauthorised act.
 - 3) Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorised act.
 - 4) Ever since the sting operation, there has been much opposition from those maintaining that it was an unauthorised act.
- Directions (Q. 157-160): Identify incorrect sentence.**
- 157.1) The energy, the faith, the devotion which we bring to this endeavour will light our country and all who serve it.
- 2) I do not believe that any of us would exchange places with any other people or any other generation.
- 3) In the long history of the world, only a few generations has been granted the role of defending freedom in its hour of maximum danger.
- 4) The glow from that fire can truly light the world.
- 158.1) It's said without artifice and without care for political correctness.
- 2) At the most surprising of moments they exactly blurt it out.
- 3) When they want to, Indians have an amazing way of telling the truth.
- 4) Unvarnished it no doubt is but it's also refreshingly unalloyed.
- 159.1) The second risk lies in the global macroeconomic imbalances, reflected in the twin deficits of the US and rising surpluses of Asia.
- 2) Therefore, addressing infrastructure gaps needs to doing our topmost priority next year.
- 3) As the growing economy makes increasing demands on infrastructure inputs, these problems could worsen in the coming year.
- 4) The longer these imbalances have persisted, the greater has become the risk of a disruptive correction.
- 160.1) For years now, pitches have been prepared to suit the home team's strengths and that is fine so long as the pitch is not a lottery.
- 2) It is here that BCCI needs to show the same will, as they have shown in making players play domestic cricket.
- 3) The only problem is that the wickets that are on offer for domestic cricket are hardly conducive for batsman.
- 4) If one goes by the scores in some of the matches, especially Delhi's games, then it is quite obvious that the pitches prepared are sub-standard and not conducive to a fair contest between bat and ball.
- 161.A Nuclear-Risk Reduction Treaty was recently signed between
- 1) India and Pakistan
 - 2) China and Pakistan
 - 3) India and USA
 - 4) India and China
162. The mascot of the 33rd National Games was
- 1) Mello
 - 2) Veera, the ongle bull
 - 3) Rongmon, the baby rhino
 - 4) None of these
163. The theme for the 21st National Science Day 2007 was
- 1) 50 years of DNA and 25 years of IVF
 - 2) More Crop Per Drop
 - 3) More Water Drop by Drop
 - 4) None of these
164. Which among the following movies was given the Best Picture Award at the 97th Oscar Awards 2007?
- 1) The Queen
 - 2) The Last King of Scotland
 - 3) The Departed
 - 4) Happy Feet
165. Tagline 'Empowering People' is linked with which brand?
- 1) Acer
 - 2) Compaq
 - 3) HCL
 - 4) Wipro
166. The Chief Minister of Uttarakhand is
- 1) ND Tiwari
 - 2) BC Khanduri
 - 3) Ibobi Singh
 - 4) None of these
167. Which of the following satellites was successfully launched in March 2007 by ISRO?
- 1) INSAT-3E
 - 2) INSAT-4A
 - 3) INSAT-4B
 - 4) INSAT-4C
168. The XIX Commonwealth Games are scheduled to be held at Delhi in
- 1) October 2010
 - 2) October 2008
 - 3) October 2009
 - 4) November 2010
169. The death of the cricket coach of which of the following countries during the 2007 World Cup has created a suspicion?

- 1) India 2) Pakistan
3) Sri Lanka 4) Bangladesh
170. 'Falcon-1', which was recently in the news, is
- 1) A mission of NASA to Mars
 - 2) A space shuttle
 - 3) A two-stage rocket launched by private firm Space Exploration Technologies (Space X)
 - 4) None of these
171. Japan has signed its first security pact other than that with US, with which of the following countries?
- 1) India 2) Russia
 - 3) Australia 4) China
172. Devaluation means
- 1) Rise in the general level of prices
 - 2) Decrease in the value of money in terms of foreign currency
 - 3) Decrease in the purchasing power of money
 - 4) Quantity of money is exceeding the amount of goods
173. Which one of the following pairs is not correctly matched?
- 1) LERMS — Rupee convertibility
 - 2) EXIM scrips — Export subsidy
 - 3) EXIT policy — Import controls
 - 4) EPZ — Export promotion
174. The tax which is not shared between the Centre and the States is
- 1) Corporation Tax 2) Sales Tax
 - 3) Income Tax 4) Central Excise Duty
175. Which of the following two countries will jointly host the South Asian Football Championship in 2007?
- 1) Bangladesh and Pakistan
 - 2) Maldives and Sri Lanka
 - 3) India and Nepal
 - 4) Sri Lanka and Pakistan
176. The economic growth of how much per cent has the Indian Credit Rating Agency (ICRA) predicted in the current fiscal year?
- 1) 8.4% 2) 8.1% 3) 7.9% 4) 8.7%
177. GNP (Gross National Product) is the money value of
- 1) Tangible goods available in the economy
 - 2) Annual service generation in the economy.
 - 3) Final goods and services produced annually within the economy
 - 4) Tangible goods produced annually in the economy
178. For the purpose of Census 2001, which one of the following was taken as being literate?
- 1) A person aged 8 years and above, who can both read and write with understanding in any language
 - 2) A person aged 9 years and above, who can both read and write with understanding in any language
 - 3) A person aged 10 years and above, who can both read and write with understanding in any

language

- 4) A person aged 7 years and above, who can both read and write with understanding in any language

179. Consider the following statements:

- a) GATT was succeeded by the World Trade Organisation in the year 1995.
- b) Headquarters of WTO are in Doha.
- c) World Intellectual Property Organization is a specialized agency of WTO.

Which of the statements given above is/are correct?

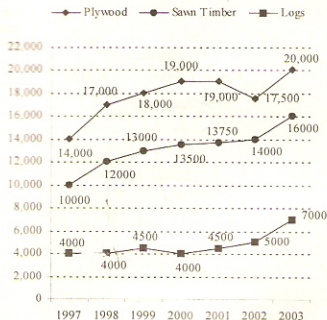
- 1) (b) and (c) only 2) (a) and (b) only
- 3) (a) only 4) (a), (b) and (c)

180. Which of the following rates is not decided by the Reserve Bank of India (RBI)?

- 1) Repo Rate 2) SLR
- 3) CRR 4) Savings Bank Rate

Directions (Q. 181-184) : Consider the following graph where the prices of timber are given for the period 1997 - 2003. The prices for plywood and sawn timber are given in Rs/m³ while the price of logs is given in Rs/tonne. Assume 1 tonne in equal to 1,000 kg and one cu. m. of log weighs 800 kg.

Timber Product Prices



181. Which product had the largest percentage increase in price per cubic metre over the 7-year period?

- 1) Sawn timber 2) Logs
- 3) Plywood 4) Cannot be determined

182. The maximum increase in price per cubic metre for any product between two years was

- 1) Rs 2,500 2) Rs 3,000
- 3) Rs 2,000 4) Rs 4,125

183. In 2003, the total sales of the company mea-

sured in cubic metres was made up of 40% plywood, 30% sawn timber and 30% logs.

The average realisation per cubic metre in 2003 was closest to

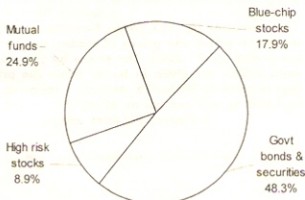
- 1) Rs 16,500 2) Rs 13,500
3) Rs 15,425 4) Rs 18,000

184. In 2004, the prices of plywood, sawn timber and logs went up by 5%, 1% and 10%, respectively, and the total sales were made up of 40% plywood, 30% sawn timber and 30% logs. The average realisation per cubic metre in 2004 was closest to

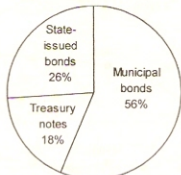
- 1) Rs 15,500 2) Rs 16,500
3) Rs 14,500 4) Rs 18,500

Directions (Q. 185-188): These questions are based on the following pie-charts.

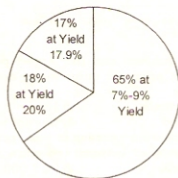
Total Investment Funds = Rs 11 crore 5 lakh



Total investment profile



Govt Bonds and Securities



Municipal bonds

185. According to these graphs, approximately how much money from the investment portfolio was invested in high-risk stocks?

- 1) Rs 98,00,000 2) Rs 10,10,000
3) Rs 9,00,000 4) None of these

186. Approximately how much money belonging to the investment portfolio was invested in State-issued bonds?

- 1) Rs 4,50,00,000 2) Rs 3,39,50,000
3) Rs 2,87,30,000 4) None of these

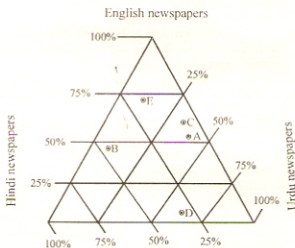
187. Which of the following earned the least amount of money for the investment portfolio?

- 1) Government bonds and securities
2) State-issued bonds
3) Municipal bonds
4) None of these

188. Which of the following was the greatest?

- 1) The amount of money invested in high-risk stocks
2) The amount of money invested in State-issued bonds
3) The amount of money invested in municipal bonds which yielded between 7% and 9%
4) The amount of money invested in municipal bonds which yielded over 9%

Directions (Q. 189-192): These questions are based on the figure below. The diagram given here describes the percentage of readers in five States who purchase newspapers in English, Hindi and Urdu languages. Assuming the readers do not buy newspaper in any other language, the vertices of the triangle denote 100% and the opposite sides denote 0%.



- A @ Punjab B @ Rajasthan C @ Haryana
D @ Delhi, NCR E @ Uttar Pradesh

189. Which of the five States has the highest percentage of readers of Hindi newspapers?

- 1) Rajasthan 2) Punjab
3) Uttar Pradesh 4) Haryana