

107. When $16x^4 + 12x^3 - 10x^2 + 8x + 20$ is divided by $4x - 3$, the quotient and the remainder are, respectively

- (a) $4x^3 + 6x^2 + 2x$ and $\frac{61}{2}$
- (b) $4x^3 + 6x^2 + \frac{7}{2}$ and $\frac{51}{2}$
- (c) $6x^3 + 2x + \frac{2}{7}$ and $\frac{61}{2}$
- (d) $4x^3 + 6x^2 + \frac{7}{2}$ and $\frac{61}{2}$

108. The sum of two numbers is 2490. If 6.5% of one number is equal to 8.5% of the other, the numbers are

- (a) 1411 and 1079
- (b) 1412 and 1080
- (c) 1141 and 1709
- (d) 1214 and 1800.

109. 120 men had food provision for 200 days. After 5 days, 30 men died of an epidemic. The food will last for further

- (a) 280 days
- (b) 260 days
- (c) 290 days
- (d) 252 days.

110. Out of the total income, X spends 20% on house rent and 70% of the remaining amount on household expenditure. If X saves Rs. 1800, the total income is

- (a) Rs. 8000
- (b) Rs. 9500
- (c) Rs. 7500
- (d) Rs. 8500.

Instructions (111 to 116): Given below are some statements followed by two arguments. Read carefully and decide which of the arguments strongly support the statement.

111. **Statement:** Should the pay scale and conditions of service of government employees be made applicable to private sector employees?

Arguments:

- i. No, this will develop inertia, inefficiency and would adversely affect spirit of competition.
- ii. Yes, this will enhance dedication to work and institutional loyalty

- (a) Argument (i) is strong.
- (b) Argument (ii) is strong.
- (c) Both (i) and (ii) are strong.
- (d) Neither (i) nor (ii) is strong.

112. **Statement:** Should a strong institution of ombudsman be created in India?

Arguments:

- i. Yes, this will bring transparency and accountability in the administration
- ii. No, this will develop lack of initiative and flexibility in the administration.

- (a) Argument (i) is strong.
- (b) Argument (ii) is strong.
- (c) Both (i) and (ii) are strong.
- (d) Neither (i) nor (ii) is strong.

113. **Statement:** Should internal assessment in colleges and universities be abolished?

Arguments:

- i. Yes, this will eliminate the possibility of favouritism.

- ii. No, teaching faculty will lose control over the students and this would adversely affect their academic growth.
- (a) Argument (i) is strong.
- (b) Argument (ii) is strong.
- (c) **Both (i) and (ii) are strong.**
- (d) Neither (i) nor (ii) is strong.

114.Statement: Should military training be made compulsory for all college and university students?

Arguments:

- i. Yes, this will develop in them a sense of punctuality and discipline
- ii. No, military training should be given only to those students who are physically fit.
- (a) Argument (i) is strong.
- (b) **Argument (ii) is strong.**
- (c) Both (i) and (ii) are strong.
- (d) Neither (i) nor (ii) is strong.

115.Statement: Should students' union in colleges and universities be abolished?

Arguments:

- i. Yes, it detracts students from academic and career development.
- ii. No, all great leaders have been students' union leaders.
- (a) Argument (i) is strong.
- (b) Argument (ii) is strong.
- (c) Both (i) and (ii) are strong.
- (d) **Neither (i) nor (ii) is strong.**

116. Statement: Should the age of marriage be raised to 25 years for boys and 21 for girls?

Arguments:

- i. No, it is difficult to change a social practice in Indian conditions.
- ii. Yes, by that age people develop .t sense of responsibility and also complete their education.
- (a) Argument (i) is strong.
- (b) **Argument (ii) is strong.**
- (c) Both (i) and (ii) are strong.
- (d) Neither (i) nor (ii) is strong.

Instructions (117 to 120): Each question contains six statements followed by four sets of combination of three. Choose the set in which the statements are logically related.

117.Statements:

- (i) X and Y are siblings.
- (ii) X and Y do not quarrel.
- (iii) Siblings are known to quarrel often.
- (iv) X and Y quarrel often.
- (v) All those who quarrel are siblings.
- (vi) X and Y cannot be siblings.
- (a) (ii), (iv), (v)
- (b) (i),(iv),(vi)
- (c) **(i), (iii), (iv)**
- (d) (i), (ii), (v).

118. Statements:

- i. All mangoes are fruits.
- ii. All mangoes are green.
- iii. All mangoes are oval shaped.

- iv. All fruits are sweet.
- v. All mangoes are sweet.
- vi. All fruits are expensive.
- (a) (i), (ii), (iii)
- (b) (i),(iv),(v)
- (c) (ii), (iii), (iv)
- (d) (iv),(v),(vi).

119. **Statements:**

- (i) All frogs are amphibians.
- (ii) A If amphibians are not frogs.
- (iii) All amphibians are cold blooded.
- (iv) All frogs lay eggs.
- (v) All amphibians lay eggs.
- (vi) Frogs are cold blooded.
- (a) (i), (iii), (vi)
- (b) (0,(iv),(v)
- (c) (i),(ii),(v)
- (d) (ii),(v),(iv).

120. **Statements:**

- (i) Some men are of short- height.
- (ii) Short-heighted men are intelligent.
- (iii) Sudhir is a man.
- (iv) Sudhir is of short-height.
- (v) Sudhir is intelligent.
- (vi) All men are intelligent.
- (a) (i),(ii),(vi)
- (b) (iii), (iv), (ii)
- (c) (ii), (iv), (v)
- (d) (ii), (iv), (vi).

Instructions (121 to 123): Of the four alternatives given in each of the following questions, find the one which is different from the rest.

121.

- (a) Fast-Slow
- (b) Bright-Dark
- (c) Day-Night
- (d) **Valley-Depth.**

122.

- (a) Body-Hand
- (b) Foot-Ankle
- (c) **Eye-Ear**
- (d) Wrist-Finger.

123.

- (a) Snake-Frog
- (b) **Goat-Hen**
- (c) Dog-Cat
- (d) Tiger-deer

Instructions (124-126): Each question below has two statements followed by four conclusions: II, III and IV. You have to accept the given statements to be true, even if they appear to be at variance from commonly known facts. Read all the

conclusions and then decide which of the given conclusions logically follows from the two statements:

124. Statement One: All girls are students.

Statement Two: All doctors are students.

Conclusions:

- I. All girls are students.
- II. Some students are girls.
- III. Some students are doctors.
- IV. All doctors are girls.

- (a) Only I follows
- (b) Only I and II follows.
- (c) Only II and IV follow.
- (d) **Only I and II and III follows.**

125. Statement One: All researchers are sociologists

Statement Two: Some researchers are professors.

Conclusions:

- I. All researchers are professors.
- II. Some researchers are professors.
- III. Some professors are sociologists.
- IV. Some sociologists are researchers.

- (a) Only III and II follow.
- (b) **Only II and IV follow.**
- (c) Only III follows.
- (d) None follows.

126. Statement One: Some democracies are dictatorship

Statement Two: No dictatorship is a monarchy. Conclusions:

- I. No democracy is a monarchy.
- II. No dictatorship is a democracy.
- III. some democracies are monarchy.
- IV. Some dictatorships are democracies.

- (a) None follows
- (b) **Only IV follows.**
- (c) II and III follow.
- (d) I and IV follow.

Instructions (127 to 129): The following questions comprise of one or more statements. Answer the questions on the basis of the given statement(s). Accept the factual assumptions required by the question, even if you believe that the statement is false.

127. Statements:

- I. Cheese is bad for people with high-cholesterol.
- II. Sumeet does not eat cheese. Assuming that (i) and (ii) are true, which of the following statement follows?
 - (a) Sumeet has high-cholesterol.
 - (b) Cheese is bad for Sumeet
 - (c) **People with high-Cholesterol do not eat cheese.**
 - (d) None of the above.

128. Statement:

- I. Democrats are secularists.

Which of the following statements, if true, would show that the above statement is false?

- (a) My father is a secularist but he is not a democrat.
- (b) **My father is a democrat but he is not secularist.**
- (c) My father is a democrat and he is secularist.
- (d) My father is neither a democrat nor a secularist.

129. Statement: "Where there is a cloud, there is a rain." Which of the following statements, if true, would show that the above statement is false?

- (a) **Sometimes there is cloud, but there is no rain.**
- (b) Sometimes there is rain, but there is no cloud.
- (c) There is no rain where there is no cloud.
- (d) of the above.

Instructions (130 to 132): Read the following information carefully and then answer the questions.

Four friends W, X, Y and Z are students of Class 10th. W and X are good in Hindi but poor in English. W and Y are good in Science but poor in Mathematics. Y and Z are good in English but poor in Social Studies. Z and X are good in Mathematics as well as in Science.

130. Who amongst the following friends is not good in Mathematics but good in Hindi?

- (a) **w**
- (b) y
- (c) x
- (d) z

131. Which of the following pairs of friends are good, both in English and Science?

- (a) W and Y
- (b) W and Z
- (c) **Y and Z**
- (d) Z and X.

132. Which of the following statements is definitely true?

- (a) Y and W are good in English as well as in Hindi
- (b) **All four friends are good in Science**
- (c) W is good in Social Studies, Hindi and Science
- (d) Y is not good in Mathematics, Hindi and Social Studies.

Instructions (133 to 135): Select the statement which logically follows the two given statements.

133. Statements:

- I. No athletes are vegetarians.
- II. All players are athletes.
- III. Therefore.....

- (a) **no players are vegetarians**
- (b) all players are vegetarian
- (c) some players are vegetarian
- (d) all vegetarians are players

134. Statements :

- I. All persons who have done any creative work can be responsible critics
- II. Z has not done any creative work
- III. Therefore.....

- (a) Z can be a responsible critic
- (b) **Z cannot be a responsible critic**
- (c) Z can become a responsible critic

- (d) Z cannot become a responsible critic.

135. Statement:

- I. One who has squared a circle is not a mathematician
II. Therefore.....
(a) **No one who has squared a circle is a mathematician**
(b) All non-mathematicians have squared a circle
(c) Some mathematicians have squared a circle
(d) All mathematicians square a circle

136. Statement: The Supreme Court of India is encouraging Public Interest Litigation

- I. To increase the reach of justice to the disadvantaged sections of society
II. To quicken the pace of Justice Identify the correct reason for the aforementioned statement.
(a) Both I and II are correct reasons of the statement
(b) **I is the correct reason of the statement**
(c) Both I and II are not correct reasons of the statement
(d) II is the correct reason of the statement

137. Yoga has become a very popular exercise, but it may not be for everyone. If you are interested in high energy and fast workouts, yoga may not be the best choice. Therefore, evaluate your fitness requirement before joining yoga classes.

- (a) Yoga is more popular than high energy exercise
(b) Yoga is changing the concept of fitness in various ways
(c) **Before opting for Yoga, assess your fitness requirements**
(d) Yoga is a holistic fitness regime.

138. Statistics allows us to understand the reality. It indicates developmental directions. Statistics is good for exposing reality, but it can also be manipulated to perpetuate untruth and misunderstanding. Data has power to mislead people.

- (a) Words are more truthful than numbers
(b) Study of statistics is more important than any other discipline
(c) Numbers never lie
(d) **Number can be used to mislead people.**

139. Technology has developed out of stone tools which were used in ancient times. At first, development of new technology was slow, but after neo-liberal economic policy was adopted there has been a tremendous growth in technology sector. This paragraph best supports the statement that:

- (a) Stone tools were not really technology
(b) Stone tools were in use in Ancient India
(c) **Today new technology are developing at a fast pace.**
(d) New technology has nothing in common with the stone tools.

Instructions (140 to 144): Given below is a pair of events I and II. You have to decide their nature of relationship. Assume that the given information is correct and final

140.

- I. Prices of toys in the market have gone down
II. Government has reduced import duty on toys.
(a) I is the main cause and II is the main effect
(b) I is effect but II is not the main cause
(c) **II is the main cause and I is the main effect**
(d) II is an effect but I is not the main cause.

141.

- I. Inflation rate in India has come down
II. Reserve Bank of India has increased interest rate.

- (a) I is the main cause and II is the main effect
 (b) I is effect but II is not the main cause
 (c) **II is the main cause and I is the main effect**
 (d) II is all effect but I is not the main cause.
142. I. More and more students are opting for legal education
 II. Bar Council of India has introduced Bar Examination
 (a) I is the main cause and II is the main effect
 (b) I is effect but II is not the main cause
 (c) II is the main cause and I is the main effect
 (d) **II is an effect but I is not the main cause.**
143. I. Sea level is steadily rising
 II. Global Warming is a serious problem which the world is facing
 (a) I is the main cause *and* II is the main effect
 (b) I is effect but II is not the main cause
 (c) **II is the main cause and I is (he main effect**
 (d) II is an effect but I is not the main cause.
144. I. Financial Institutions are lax, unregulated
 II. Today, world is passing through a serious phase of economic crisis
 (a) **I is the main cause and II is the main effect**
 (b) I is effect but II is not the main cause
 (c) II is the main cause and I is the main effect
 (d) II is an effect but I is not the main cause.
145. **An argument is given below, on the basis of that argument; find out the parallel argument from the given list of subsequent arguments**
Argument: Himalayan Sparrows are disappearing. This bird is an Indian bird; therefore, Indian birds are disappearing.
 (a) Industrialists pay most of the taxes. 'Z' is a wealthy man therefore 'Z' must pay most taxes
 (b) A pineapple is a fruit, a mango is a fruit therefore pineapple is a mango
 (c) **Snow tiger are an endangered species; all endangered species must be protected; therefore snow-tiger must be protected**
 (d) John is his father's favourite son, and John knows this must be true because his father told him this; and no father would lie to his favourite son.
- Instructions (146 to 149): Each question below is followed by arguments. Choose the most appropriate choice from the options given**
146. **Question:** Should Judicial Activism be discouraged?
Arguments:
 I. No, it would lead to executive dictatorship
 II. Yes, Judiciary should stay in the
 (a) Argument I is strong
 (b) Argument II is strong
 (c) Both the arguments are strong
 (d) **Both the arguments are weak**
147. **Question: Should the Judiciary be independent of Executive and Legislature?**
 I. Yes, this is necessary to ensure impartiality in the administration of Justice
 II. No, it will develop inertia in Executive and Legislature
 (a) **Argument 1 is strong**

- (b) Argument II is strong
 - (c) Both the arguments are strong
 - (d) Both the arguments are weak.
148. **Question:** Should E-Governance be introduced at every level of public administration?
- I. Yes, it will reduce corruption
 - II. No, it will lead to unemployment
- (a) Argument I is strong
 - (b) Argument II is strong
 - (c) **Both the arguments are strong**
 - (d) Both the arguments are weak
149. **Question** Should there be a world Government?
- I. Yes, it will eliminate inter-state conflicts
 - II. No, Rich and Powerful countries will dominate it
- (a) Argument I is strong
 - (b) **Argument II is strong**
 - (c) Both the arguments are strong
 - (d) Both the arguments are weak
150. **Some philosophers believe that a concept which cannot be verified can still be valid because of its inner logic which ennoble it." In the light of the above statement, decide the status o' the statement given below.**
- Statement:** "Every person has certain inherent and inalienable rights which must be protected by Rule of Law."
- (a) **True**
 - (b) False
 - (c) Difficult to determine
 - (d) Both True and False
151. **Principle:** Only Parliament or State Legislatures have the authority to enact laws on their own. No law made by the State can take away a person's fundamental right.
- Facts:** Parliament enacted a law, which according to a group of lawyers is violating the fundamental rights of traders. A group of lawyers files a writ petition challenging the Constitutional validity of the statute seeking relief to quash the statute and further direct Parliament to enact a new law.
- (a) No writ would lie against Parliament, as the court has no authority to direct Parliament to enact or re-enact a law
 - (b) The court can quash existing law if it violates fundamental rights and can direct Parliament to make a new law
 - (c) **The court can quash the existing law if it violates fundamental rights but cannot direct Parliament to make a new law.**
 - (d) None of these
152. **Principle:** When one person signifies to another his willingness to do or abstain from doing anything, with a view to obtaining the assent of that person to such an act or abstinence, he is said to have made a proposal.
- Fact:** "Ramanuj telegraphed to Shy am Sunder, writing: *"Will you sell me your Rolls Royce Car? Telegram the lowest cash price."* Shyam Sunder also replied by telegram: *"Lowest price for Car is Rs. 20 lakh."* Ramanuj immediately sent his consent through telegram stating: *"agree to buy the Car for Rs. 20 lakh asked by you."* Shyam Sunder refused to sell the car.
- (a) He cannot refuse to sell the Car because the contract has already been made.
 - (b) **He can refuse to sell the Car because it was only invitation to offer and not the real offer**