

22. **Statements :**

Some rubbers are leather.

All rubbers are elastic.

Conclusions :

I Some elastics are leather.

II No leather is an elastic.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Neither conclusion I nor II follows

(D) Both the conclusions I and II follow

23. **Statements :**

All coats are bags.

Some bags are toys.

Conclusions :

I Some bags are coats.

II Some toys are coats.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Neither conclusion I nor II follows

(D) Both the conclusions I and II follow

24. **Statements :**

Some teachers are adults.

Some adults are poets.

Conclusions :

I Some teachers are poets.

II Some poets are teachers.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Neither conclusion I nor II follows

(D) Both the conclusions I and II follow

Directions (Q. Nos. 25 to 27) :

Each question given below presents a statement followed by two arguments. You have to consider the question and decide which of the two arguments is a "strong" argument for that question.

25. **Statement :** Should the healthcare services be nationalized?

Arguments :

I Yes. It has been done elsewhere also.

II No. The quality of healthcare services will deteriorate.

(A) Only argument I is strong

(B) Only argument II is strong

(C) Neither argument I nor II is strong

(D) Both arguments I and II are strong

26. **Statement** : Is Governorship better than Chief Ministership ?

Arguments :

I Yes. It is the highest post in a state.

II No. The Chief Minister commands more power.

(A) Only argument I is strong

(B) Only argument II is strong

(C) Neither argument I nor II is strong

(D) Both arguments I and II are strong

27. **Statement** : Should the institution of marriage be abolished ?

Arguments :

I Yes. It is already showing cracks.

II No. It is necessary for the survival of the society.

(A) Only argument I is strong

(B) Only argument II is strong

(C) Neither argument I nor II is strong

(D) Both arguments I and II are strong

Directions (Q. Nos. 28 to 30) :

Each question contains two statements 'A' and 'B'. These statements may be either independent causes or may be effects of independent causes. One of these statements may also be the effect of other statement. Read both the statements and decide which of the answers correctly depicts the relationship between these statements.

28. **Statement A** : To fulfil the increasing demand of the public, cable operators have now started telecasting cricket matches.

Statement B : An increasing number of people crowd in the stadiums wanting to watch these matches there.

(A) Statement A is the cause and statement B is its effect

(B) Statement B is the cause and statement A is its effect

(C) Both the statements A and B are independent

(D) Both the statements A and B are effects of some common cause

29.

Statement A : Terrorist operations have ruined the peace of mind of the public.

Statement B : Our country's venture into exploration of heavy water has come as a conciliation to people.

- (A) Statement A is the cause and statement B is its effect
- (B) Statement B is the cause and statement A is its effect
- (C) Both the statements A and B are independent
- (D) Both the statements A and B are effects of some common cause

30.

Statement A : Liberalisation policy has attracted many MNCs to our country.

Statement B : Indian manufacturers face intense competition from MNCs.

- (A) Statement A is the cause and statement B is its effect
- (B) Statement B is the cause and statement A is its effect
- (C) Both the statements A and B are independent
- (D) Both the statements A and B are effects of some common cause

Directions (Q. Nos. 31 to 35) :

The following are the criteria for appointing persons for the post of Technical officer in BSNL, Shimla, H.P. The candidate must :

- (i) Have passed XIIth examination with at least aggregate of 60% in Physics, Chemistry and Mathematics.
- (ii) Not be more than 22 years as on 15th July 2013
- (iii) Be a graduate in Engineering discipline with at least 50% marks
- (iv) Have passed the written examination
- (v) Have passed group discussion and interview with at least 50% marks.

In case of a candidate who satisfies all other criteria, *except* :

- (I) (iii) above, in terms of percentage of marks but has secured 90% marks in graduation, may be appointed.

(II) (iv) above, but is a post-graduate in Engineering is to be referred to the Director-Personnel.

(III) (iii) above, but has appeared in the final degree examination, may be provisionally appointed.

You are not to assume anything extra. These case are given to you as on 1 June 2013. Based on these criteria and information provided above decide the classification for each case given in the questions.

31. Raju Chandra has secured 70% aggregate marks in Physics, Chemistry and Mathematics in XIIth Std. and 90% in graduation in Mathematics and 50% in Post-graduation. He was born on 25th February, 1991. He has passed the written examination and has secured 55% marks both in group discussion and interview.

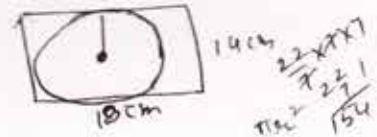
- (A) Appoint
- (B) Appoint provisionally
- (C) Refer to Director-Personnel
- (D) Data inadequate

32. Mohan Rai has appeared in final degree examination in Mechanical Engineering. He has secured 70% aggregate marks in Physics, Chemistry and Mathematics in XIIth Std. He has passed the written examination and has secured 75% marks in both group discussion and interview. He was born on 15th April, 1991.

- (A) Appoint
- (B) Appoint provisionally
- (C) Do not appoint
- (D) Data inadequate

33. Sameer Aggarwal was born on 19th March, 1992. He has secured 60% marks in both graduation and post-graduation in Civil Engineering. He has passed written examination and has secured 60% marks both in group discussion and interview.

- (A) Appoint
- (B) Appoint provisionally
- (C) Do not appoint
- (D) Data inadequate



34. Sonam has secured 60% marks in graduation in Chemical Engineering and 70% aggregate marks in Physics, Chemistry and Mathematics in XIIth Std. She will be 23 years old on 10th August, 2014. She has passed the written examination and has secured 55% marks both in group discussion and interview.

- (A) Appoint
- (B) Refer to Director-Personnel
- (C) Do not appoint
- (D) Data inadequate

35. Arun Jha has secured 90% aggregate marks in Physics, Chemistry and Mathematics in XIIth Std. He is yet to wait for the result of the final degree examination in Electronics. He has passed the written examination in Electronics. He has passed and secured 60% marks both in group discussion and interview. He was born on 19th July, 1991.

- (A) Appoint
- (B) Appoint provisionally
- (C) Refer to Director-Personnel
- (D) Data inadequate

TS : 14/(P)/II-B

Handwritten calculations: $22 \times 7 \times 7 = 154$, $154 / 100 = 1.54$, $1.54 \times 100 = 154$

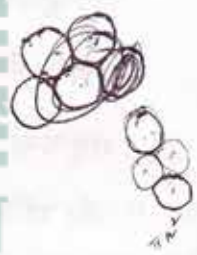
36. The area of the largest circle, that can be drawn inside a rectangle with sides 18 cm by 14 cm is :

- (A) 132 cm²
- (B) 154 cm²
- (C) 168 cm²
- (D) 161 cm²

37

Four circular cardboard pieces, each of radius 7 cm are placed in such a way that each piece touches two other pieces. The area of the space enclosed by four pieces is given by :

- (A) 42 cm²
- (B) 49 cm²
- (C) 56 cm²
- (D) 63 cm²



38. A tin of oil was $\frac{4}{5}$ full. When 7 bottles of oil were taken out and four bottles of oil were poured into it, it was $\frac{3}{4}$ full. How many bottles of oil can the tin contain ?

- (A) 40
- (B) 50
- (C) 60
- (D) 70

Handwritten calculations: $\frac{4}{5} - \frac{3}{4} = \frac{3}{20}$, $\frac{16-15}{20} = \frac{1}{20} = \frac{3}{60}$

