

# LOGICAL REASONING

## Topic: Arrangements and Grouping

① Directs for questions 1 to 4 :  
Read the following information

**Summary:** 1. Seven meetings - A, B, C, D, E, F, G are scheduled, one on each day of week that begins on Monday.

- D Meetings**
- 1-M → A
  - 2-T → E
  - 3-W → F
  - 4-Th → G
  - 5-F → C
  - 6-Sat → D
  - 7-Sun → B

**I.** A must take place on Monday and B on the last day.

**II.** B immediately takes place after C and D, in that order.

**III.** E, F and G must take place on three consecutive days, necessarily in that order.

Q1. Which is the earliest day of the week on which C can take place?

- a. Wed    b. Thurs    **c. Fri**    d. Sat

Q2. Which is the correct order?

- a. C takes place immediately after A
- b. C takes place immediately after F
- c. E takes place immediately after A**
- d. E " " " " G

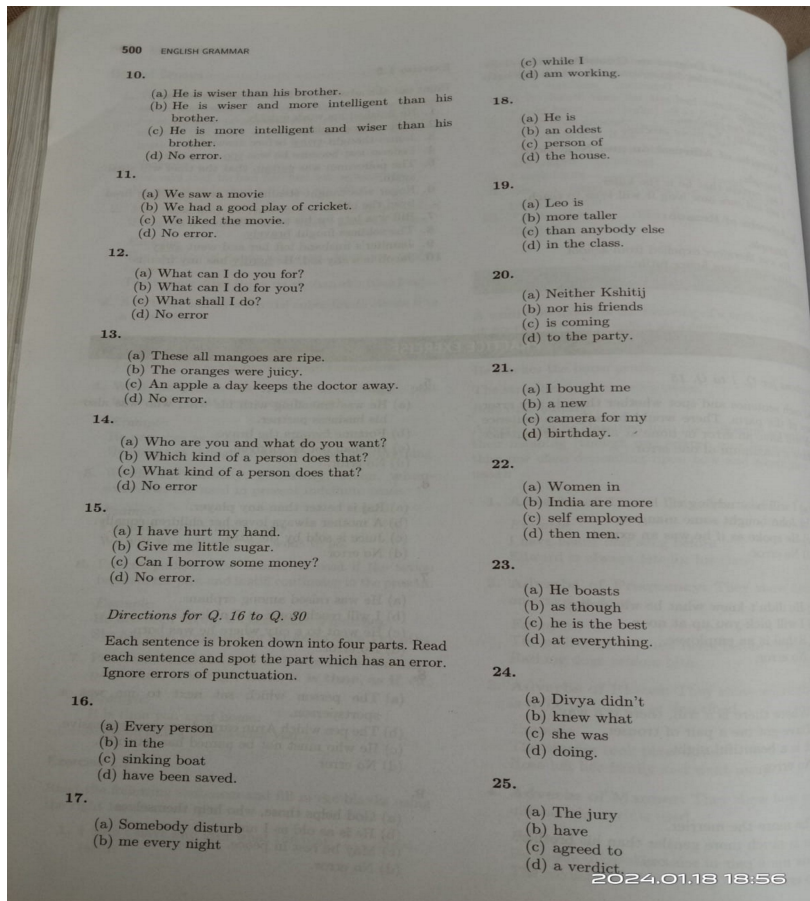
✓ c E takes place immen... 7 1.. 4  
d. E .. " " " " " " 4

Q3. If meeting A is on Wednesday which is the first day, then B must take place on

✓ a) Tuesday b. wed c. Thurs. d. Fri.

Q4. Which of the following represents a possible ordering of meeting on these consecutive days?

a) ADB b) BCF c) DEN ✓ d) AEF



**Directions for questions 5 to 9:** Read the following information carefully and answer the questions given below.

- I. There are seven teachers—A, B, C, D, E, F and G—in a college. Each one of them teaches a different subject among Physics, Chemistry, Mathematics, Social Science, Zoology, Sanskrit and Commerce.
  - II. There are 3 female and 4 male teachers, and out of these, there are two pairs of couples.
  - III. C, who teaches Social Science, is married to the teacher who teaches Chemistry.
  - IV. E and G are female teachers who teach Zoology and Physics respectively.
  - V. A teaches Mathematics, and his wife does not teach Physics.
  - VI. B does not teach Chemistry or Commerce subjects.
  - VII. F and D are male teachers. F is unmarried.
5. Which subject does F teach?
    - (a) Mathematics
    - (b) Chemistry
    - (c) Physics
    - (d) None of these
  6. Which subject does B teach?
    - (a) Physics
    - (b) Commerce
    - (c) Social science
    - (d) Cannot be determined
  7. Which of the following are two pairs of couples?
    - (a) DC and AE
    - (b) AC and DE
    - (c) GA and CD
    - (d) Cannot be determined
  8. Which subject does A's wife teach?
    - (a) Chemistry
    - (b) Zoology
    - (c) Social science
    - (d) Cannot be determined

Teachers	Gender	Sub	Relation (married)
A	Male	Maths	→ E
B	Male	Sanskrit	—
C →	Female	Ssc	→ D
D	Male	Chemist	→ C
E	Fe	Zoology	→ A
F	Male	Commerce	<u>Un married</u>
G	Fe	Physics	—

**Directions for questions 10 to 14:** Read the following information carefully and answer the questions.

- I. Six persons - A, B, C, D, E and F are members of a club.
  - II. Out of these 6 persons, two are musicians, two are badminton players, one is a photographer and one is a magician.
  - III. A, the photographer, is married to D who is a musician.
  - IV. The magician is married to B who is of the same profession as that of F.
  - V. (A, B, C and D) are two married couples in the group.
  - VI. F, the unmarried badminton player, is the brother of C.
  - VII. In the pair of badminton players, only one is male.
  - VIII. The only married musician in the group is a female.
10. Which of the following is a pair of musicians?
    - (a) B and E
    - (b) B and F
    - (c) D and E
    - (d) A and C
  11. Who is the magician in the group?
    - (a) B
    - (b) C
    - (c) E
    - (d) Cannot be determined

Person	Gender	Occup	Married
A	male	Photo	D
B	Female	Badm	C
C	male	Magician	B
D	Female	music	A
E	M	music	—
F	M	Badmi	Unmar

- (a) B
- (b) C
- (c) E
- (d) Cannot be determined



2.4

12. What is the profession of B?

- (a) Badminton player
- (b) Musician
- (c) Magician
- (d) Cannot be determined

13. Which of the following is definitely a pair of males only?

- (a) A and B
- (b) B and C
- (c) E and F
- (d) None of these

14. Which one of the following is a pair of only married females in the group?

- (a) CD
- (b) AD
- (c) AB
- (d) BD