5. BLOOD RELATIONS

In these tests, the success of a candidate depends upon the knowledge of the blood relations, ?ome of which are summarized below to help solve these tests.

Mother's or father's son	Brother
Mother's or father's daughter	Sister
Mother's or father's brother	Uncle
Mother ^{9*} or father's sister	Aunt
Mothers or father's father	^Grandfather
Mother's or father's mother	Grandmother
Son's vtife	Daughter-in-Law
Daughter's husband	Son-in-Law
Husband s or wife's sister	Sister-in-Law
Husband's or wife's brother	Brother-in-Law
Brother's son	Nephew
Brother' daughter	Niece
Uncle or aunt's son or daughter	Cousin
Sister's husband	Brother-in-Law
Brother's wife	Sister-in-Law
Grandson's or Grand daughter's daughter	Great grand daughter

TYPE 1: DECIPHERING JUMBLED UP DESCRIPTIONS

In this type of questions, a round-about description is given in the form of certain small relationships and direct relationship between the persons concerned is to be deciphered.

- Ex. 1. Pointing to a photograph, a man said, MI have no brother or sister but that man's father is my father's son." Whose photograph was it?

 (a) His own "7.(6) His son's (c) His father's

 (d) His nephew s (e) None of these (Hotel Management, 18»«)
- Sol. Since the narrator has no brother, his father's son is he himself. So, the man who is talking is the father of the man in the photograph or the man in the photograph is his son.

Hence, the answer is (6).

- Ex. 2. Anil introduces Rohit as the son of the only brother of his father's wife. How is Rohit related to Anil ?
- (a) Cousin , <6) Son (c) Uncle (d) Son-in-law ' (e) Brother Sol. The relations may be analysed as follows:
- Fatheis wife Mother; Mother's brother Uncle; Uncle's son Cousin. So, Rohit is Anil's cousin. Hence, the answer is (a).

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Ex. 3.	Pointing towards a	person in a photograph, Anjali	said, MHe is the only son
	of the father of my	sister's brother." How is that p	erson related to Aryali?
	(a) Mother	(6) Father	(c) Maternal uncle
	(d) Cousin	(e) None of these	(Bank P.O. 1994)
O - 1	T11-4: 1	L 1 1 C. 11	

Sol. The relations may be analysed as follows:

Sister's brother — Brother; Brother's father — Father; Father's son — Brother.

So, the person in the photograph is Aryali's brother.

Hence, the answer is (eX

- Ex. 4. Pointing out to a photograph, a man tells his friend, "She is the daughter of the only son of my father's wife." How is the girl in the photograph related to the man?
- (a) Daughter (6) Cousin (c) Mother (d) Sister (e) Niece Sol. The relations may be analysed as follows:

 Father's wife Mother: Mother's only son Himself.

Father's wife — Mother; Mother's only son — Himself. So, the girl is man's daughter.

Hence, the answer is (a).

- Ex. 5. X introduces Y saying, -He is the husband of the grand daughter of the-father of my father." How is Y related to X?
- (a) Brother (6) Son (c) Brother-in-law (d) Nephew (e) Son-in-law
- Sol. The relations may be analysed as follows:

Father's father — Grandfather, Grandfather's Grand daughter — Sister; Sister's husband — Brother-in-law.

So, Y is X's brother-in-law.

Hence, the answer is (c).

- Ex. 6. Pointing out to a lady, Rajan said, "She is the daughter of the woman who is the mother of the husband of my mother.* Who is the lady to R^jan?

 (a) Aunt (b) Grand daughter (c) Daughter (d) Sister (e) Sister-in-law
- Sol. The relations may be analysed as follows:

Mother's husband — Father, Father's mother — Grandmother; Grandmother's daughter — Father's sister; Father's sister — Aunt.

So, the lady is Rajan's aunt.

Hence, the answer is (a).

EXERCISE 5A

- 1. Pointing to a man on the stage, Rita said, "He is the brother of the daughter of the wife of my husband." How is the man on the stage related to Rita?

 (a) Son

 (b) Husband

 (c) Cousin

 (d) Nephew

 (e) Brother-in-law
- 2. Showing the man receiving the prize, Saroj said, MHe is the brother of my uncle's daughter." Who is the man to Saroj?
 - (a) Son (6) Brother-in-law (c) NeRhew (d) Uncle (e) Cousin
- 3. Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man? (Bank P.O. 1998)

 (a) Mother (6) Daughter (c) Sister (d) Grandmother (e) None of these

4. Pointing to a photograph, a person tells his friend, "She is the grand daughter of the elder brother of my father/' How is the girl in the photograph related to his fhan? (a) Niece (6) Sister (c) Aunt (d) Sister-in-law (e) Maternal aunt 5. Pointing to a photograph, Vipul said, "She is the daughter of my grandfather's onfy son." How is Vipul related to the girl in the photograph? (B.S.R.B. 1997) (a) Father (fc) Brother (c) Cousin (d) Data inadequate (e) None of these 6. A woman introduces a man as the son of the brother of her mother. How is the man. related to the woman? (c) Cousin (aKfaephew (6) Son (d) Uncle 7. Looking at a portrait of a man, Harsh said, "His mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Harsh (M.B.A 1998) (a) His son (6) His cousin (c) His uncle (d) His nephew (e) None of these 8. A man said to a lady, "Your mother's husband's sister is my aunt.? How is the lady related to the man? (a) Daughter (6) Grand daughter (c) Mother (d) Sister (e) Aunt If Neena says, "Anita's father Raman is the only son of my father-in-law MahipaT, then how is Bindu, who is the sister of Anita, related to Mahipal? (a) Niece (6) Daughter (c) Wife (d) Daughter-in-law (e) None of these (Bank P.O. 1996) It). Pointing to a girl in the photograph, Amar said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Amar? id) Grandmother (a) Mother (6) Sister (c) Aunt (e) None of these . (Railways, 1994) 11. A girl introduced a boy as the son of the daughter of the father of her uncle. The hpy is girl's, (a) Brother (*b*) Son (c) Uncle (d) Son-in-law (e) Nephew 12. If X is the brother of the son of Ys son, how is X related to Y? " (6) Brother (c) Cousin id) Grandson (e) Uncle 13. Pointing to a gentleman, Deepak said, "His only brother is the father of my daughter's father." How is the gentleman related to Deepak? (a) Grandfather (6) Father (c) Brother-in-law (d) Uncle (e) None of these (Bank P.O. 1997) 14. Introducing a man to her husband, a woman said, "his brother's father is the only son of my grandfather." How is the woman related to his man? (a) Mother (6) Aunt (c) Sister. (d) Daughter (e) Grandmother 15. Pointing out to a lady, a girl said, "She is the daughter-in-law of the grandmother of my father's only son." How is the lady related to the girl? (a) Sister-in-law (6) Mother (c) Aunt (d) Mother-in-law 16. Rita told Mani, "The girl I met yesterday at the beach was the youngest daughter

of the brother-in-law of my friend's mother." How is the girl related to Rita's

(c) Niece

(d) Friend

(6) Daughter

friend?
(a) Cousin

(e) Aunt

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17.	If Kamal says, "Ravi's mother is the only daughter of my motherhow is Kamal related to Ravi? (SJ1.IJP.O. 1994)
	(a) Grandfather (b) Father (c) Brother
	(d) Cannot be determined (e) None of these
18.	Rahul told Anand, 'Yesterday I defeated the only brother of the daughter of my grandmother.' Whom did Rahul defeat?
	(a) Son (b) Father (c) Brother (rf) Father-in-law (e) Cousin
19.	When Amy saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish?
	(a) Brother-in-law (b) Brother (c) Cousin (d) Uncle (e) Nephew
20.	Pointing to a photograph, a lady tells Pramod, "I am the only daughter of this lady and her son is your maternal uncle." How is the speaker related to Pramod's father? (Hotel Management, 1995) (a) Sister-in-law (b) Wife (c) Either (a) or (b) (d) Neither (a) nor (6)
21.	Introducing a man. a woman said, "He is the only son of my mother's mother." How is the woman related to the man?
	(a) Mother (b) Aunt (c) Sister (c) Niece (e) None of these
22.	Pointing to a man in a photograph. Asha said. "His mothers only daughter is
	my mother." How is Asha related to that man?
	(a) Nephew (b) Sister (c) Wife (d) Niece (e) Grand daughter
23.	Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law." How is the woman's husband related to the man in the photograph? (a) Grandson (b) Son (c) Son-in-law (d) Nephew (e) None of these (M.B.A. 1994)
24.	Introducing a man, a woman said, "His wife is the only daughter of my father."
	How is that man related to the woman?
	(a) Brother (6) Father-in-law (c) Maternal uncle
	(d) Husband (e) None of these
25.	Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?
	(a) Son (6) Brother (c) Cousin id) Nephew (e) Brother-in-law
26.	Pointing to the lady on the platform, Manju said, "She is the sister of the father of my mother's son." Who is the lady to Manju r
	(a) Mother (b) Sister (c) Aunt Id) Niece (e) None of these
27.	Arun said, "This girl is the wife of the grandson of my mother." Who is Arun to the girl?
	(a) Father (b) Grandfather (c) Husband
	(id) Father-in-law (c) None of these
28.	Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph? (B.S.R.B. 1996)
r	(a) Mother (b) Aunt (c) Sister (d) Daughter (e) Grandmother
	Pointing to a person, a man said to a woman, "His mother is the only daughter of your father." How was the woman related to the person?
	(a) Aunt (b) Mother (c) Wife (d) Daughter (e) None of these

30. A man pointing to a photograph Bays, The lady in the photograph is my nephew's maternal grandmother." How is the lady in the photograph related to the man's sister who has no other sister? (Hotel Mamagement, 1997)

- (a) Cousin
- (6) Sister-in-law
- (c) Mother
- (cO Mother-in-law
- 31. Pointing to a lady, a man said, "The son of her only brother is the brother of my wife." How is the lady related to the man?
 - (a) Mother's sister
- (6) Grandmother
- (c) Mother-in-law

- (d) Sister of father-in-law
- (e) Maternal aunt
- 32. Pointing to an old man, Kailash said, "His son is my sons uncle." How is the old man related to Kailash?
 - (o) Brother
- (6) Uncle
- (c) Father
- (d) Grandfather (e) None of these

ANSWERS

- 1. (a): Wife of husband Herself; Brother of daughter Son. So, the man is Rita's son.
- 2^e): Brother of uncle's daughter Uncle's son Cousin.
 - ~ So, the man is Seema's cousin.
- 3. (a): Odly daughter of my mother Myself. So, the woman is manls mother.
- 4. (a): Brother of father Uncle; Uncle's grand daughter daughter of uncle's son daughter of cousin — niece.
- 5. (6): My grandfather's only son My father.
 - So, the girl is the daughter of Vipul's father i.e., Vipul is the girl's brother.
- 6. (c): Brother of mother Uncle; Uncle's son Cousin.
- 7. (a): Since Harsh has no brother or sister, so he is his father's only son. Now. wife of my father's son — my wife.
 - So, Harsh's wife is the man's mother or the man is Harsh's son.
- 8. (d): Your mother's husband Your father; Your father's sister Your aunt. So, lady's aunt is man's aunt and therefore lady is man's sister.
- 9. (e): Only son of Neena's father-in-law Mahipal Neena's husband. So, Raman is Neena's husband and Anita and Bindu are his daughters. Thus, Bindu is the grand daughter of Mahipal.
- 10. (c): Only son of Amar's mother's father Amar's maternal uncle. So, the girl's maternal uncle is Amar's maternal uncle. Thus, the girl's mother is Amar's aunt.
- 11. (a): Daughter of uncle's father Uncle's sister Mother; Mothers son Brother
- 12. id): Son of Ys Son Grandson; Brother of Ys grandson Ys grandson.
- 13. (d): Father of Deepak's daughter's father Deepak's father. So, the man's brother is Deepak's father or the man is the brother of Deepak's father *Le.*_f Deepak's uncle.
- 14. ic): Only son of her grandfather Her father; man's brother's father man's father. So, man's father is her father i.e.. She is the man's sister.
- 15. (6): My father's only son My brother; Grandmother of my brother My grandmother; Daughter-in-law of my grandmother — My mother. So. the lady is girl's mother.
- 16. (a): Daughter of brother-in-law Niece; Mother's niece Cousin. So, the girl is the cousin of Rita's friend.

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- 17. (e): Only daughter of Kamal's mother Kamal's sister.

 So, Ravi's mother is Kamal's sister or Kamal is the brother of Ravi's mother *i.e.*.

 Ravi's maternal uncle.
- 18. (ft): Daughter of grandmother Aunt; Aunt's only brother Father.
- 19. *ia)*: Anuj's daughter's mother Anuj's wife; Anil's wife's father Anuj's father-in-law; Father-in-law's son Amy's brother-in-law. So, Manish is Amy's brother-in-law.
- 20. (6): Clearly, the speaker's brother is Pramod's maternal uncle. So, the speaker is Pramod's mother or his father's wife.
- 21. (d): My mother's mother My grandmother; My grandmother's only son My maternal uncle.

 So, the woman is man's niece.
- 22. *id*): Asha's mother is man's mother i.e.. Asha's mother is man's sister or Asha is man's niece.
- 23. (a): Man's son's sister Man's daughter.

 So, the man's daughter is the mother of the woman's husband. Thus, the woman's husband is the grandson of the man in the photograph.
- 24. id): Only daughter of my father Myself. So, the man is woman's husband.
- 25. (6): Father's wife Mother; Mother's daughter Sister; Sister's younger brother My younger brother. So. the boy is Deepak's brother.
- 26. (c): Manju's mother's son Manju's brother; Mai\ju*s brother's father Manju's father; Father's sister Manju's aunt.
- 27. id): Mother's grandson Son; Son's wife Daughter-in-law.
- 28. (c): Only son of woman's grandfather Woman's father; Man's brother's father Man's father So. the woman is man's sister.
- 29. ia): Daughter of your father Your sister.
 - So, the person's mother is woman's sister or the woman is person's aunt.
- 30. ic): Clearly, the lady is the grandmother of man's sister's son i.e., the mother of the mother of man's sister's son i.e., the mother of man's sister.

 So, the lady is man's mother.
- 31. *id*): Brother of my wife My brother-in-law; Son of lady's brother is the brother-in-law of the man. So lady's brother is man's father-in-law i.e., the lady is the sister of man's father-in-law.
- 32. (c): Kailash's son's uncle Kailash's brother. So, the old man's son is Kailash's brother i.e., the old man is Kailash's father.

TYPE 2: RELATION PUZZLE

In this type, mutual blood relations or other informations of more than two persons are mentioned and information about any two is mentioned.

- Ex. 1. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C? (M.B.A- 1998)
 - (a) Father ib) Brother (c) Grandfather id) Uncle (e) None of these
- Sol. Clearly, B is the brother of A; A's son is D's brother. This means D is the daughter of A. Since C and D are sisters, C is also the daughter of A. So, B is the uncle of C.
 - Hence, the answer is (rf).
- Ex. 2. Given that
 - 1. A is the mother of B;
 - 2. C is the son of A;

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	3. D is the brother of E;					
	4. E is the daughter of B.					
	The grandmother of D is			(S.C.ILA 1994)		
	(a) A (6) B	(c) C	(d) D	(e) E		
Sol.	D is the brother of E and E is the son of B.		This means			
	Also, A is the mother of B.					
	So, A is the grandmother of D.					
	Hence, the answer is (a).					
Ex. 4.	A and B are married couple. X	and Y are broth	ers. X is the	e brother of A.		
	How is Y related to B?					
	(a) Brother-in-Law	(6) Brother		(c) Son-in-Law		
	(d) Cousin	(e) None of the	ese			
Sol.	A and B are husband and wife.	Since X and Y	are brothers	, and X is the		
	brother of A, Y is also the brother of A. Thus, Y is the brother-in-law of B.					
	Hence, the answer is (a).					
Ex. 5.	Read the following information	carefully and a	nswer the q	uestions given		
	below:					
	There are six children playing for	ootball namely A,	B, C, D, E	and F. A and		
	E are brothers. F is the sister of	E. C is the only	son of A's ι	uncle. B and D		
	are the daughters of the brother	of C's father.				

- 1. How is C related to F?
 - (a) Cousin
- (6) Brother
- (c) Son
- (d) Uncle
- (e) None of these

- 2. How many male players are there?
 - (a) One
- (b) Three
- (c) Five (</) Six
- (e) Four

- 3. How many female players are there?
 - (a) Two
- (6) Three
- (c) Five
- (*d*) One
- (e) Four

- 4. How is D related to A?
 - (a) Uncle
- (6) Sister
- (c) Niece
- (d) Cousin
- (e) None of these

Solution:

- 1. F is E's and hence As sister. So. C is also the son of Fs uncle and is, therefore, Fs cousin. So, the answer is (a).
- 2. As given, A and E are brothers. Hence both are males. F is the sister of E and hence female. C is the son and hence male. B and D are daughters and hence female. Thus, there are three males. So, the answer is (6).
- 3. Clearly, from the solution of 2, we find that there are three females. So, the answer is (6).
- 4. Clearly, D's father is the brother of Cs father and C's father is A's uncle. So, D's father is also As uncle. Thus. D is As cousin. Hence, the answer is (d).

EXERCISE 51~1

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2.	2. Lakshmi and Meena are Rohan's wives. is I^akshmi related to Shalini?	Shalini is Meena's step-daughter. How
	(a) Sister (6) Mother-in-Lav	v (c) Mother
	(d) Step-mother (e) None of these	
3.	3. Baya has a brother Anil. Daya is the son In terms of relationship, what is Anil of (a) Son (6) Grandson (c) Bro	Bimal ? (C.B.I. 1»84)
4.	4. Rahul's mother is the only daughter of Morelated to Rahul?	onika's father. How is Monika's husband (Bank P.O. 1994)
	(a) Uncle (6) Father	(c) Grandfather
	(d) Brother (e) Data inadequa	ate
5.	5. If (i) M is brother of N; (*) B is brother which of the following statements is def (a) N is brother of B (6) N is brother of M (e) None of	initely true ? (B.S.R.B. 1995) other of D (c) M is brother of B
6.	5. Deepak is brother of Ravi. Rekha is sis is Deepak related to Rekha?	eter of Atul. Ravi is son of Rekha. How (C.B.1.1997)
	(a) Son (b) Brother (c)	c) Nephew (d) Father
7.	7. A is B's sister. C is B's mother. D is C'A related to D?	s father. E is D's mother. Then, how is (Assistant Grade, 1996)
	(a) Grandmother (6) Grandfather (c) Daughter () Grand daughter</td
8.	8. Given that : 1. A is brother of B.	
	2. C is father of A.	
	3. D is brother of E.	
	4. E is daughter of B.	
	Then, uncle of D is	(S.CJLA. 1993)
	(a) A (6) B	(c) C (d) E
9.	9. Q is the brother of R; P is the sister of Q of R. Who are the cousins of Q?	; T is the brother of S; S is the daughter
	(a) R and P (6) P a	nd T (c) Q and T
	(d) S and T (e) Non	ie of these
10.	O. E is the son of A. D is the son of B. E i is D related to E?	s married to C. C is B's daughter. How
1	¹ (a) Brother (6) Und	cle (c) Father-in-Law
	(d) Brother-in-Law (e) Nor	ne of these
11.	1. A is father of C and D is son of B. E is B related to E?	(Assistant Grade, 1997)
	(a) Daughter (6) Brother-in-Law	
12.	2. Q's mother is sister of P and daughter	_
	T. How is M related to T?	(Bank P.O. 1995)
		5) Father (c) Grandfather
	(d) Grandfather or Grandmother (e	e) None of these

Directions (Questions 13 to 15): Read the following information and answer the questions given below:

A :	is the	son	of B.	C,	B's	sister	has	а	son	D	and	а	daughter	E.	F	is	the	materna	ιl
uncle	of D.																		

unc	ic of D.				
13.	How is A related	to D?			
	(a) Cousin	(6) Nephew	(c) Uncle	id) Brother	
14.	How is E related	to F?			
	(a) Sister	(b) Daughter	(c) Niece	(d) Wife	
15.	How many nepher	ws does F have?			
	(a) Nil	(6) One	(c) Two	(d) Three	
	Directions (Ques	tions 16*17): Re	ad the followir	ng information	and answer
the	questions given be	elow it :			(S.8.C. 1993)
	A is the father of (
	E is the daughter	_			
	B is the brother of				
	G is the spouse of		er of G.		
16.	Who is the grand:	mother of D ?			
	(a) A	(b) C	(c) F	(d) H	
17.	Who is the son of				
	(a) B	(b) C	(c) D	id) E	
18.	C is A's fathers	nephew. D is A's	cousin but not	the brother of	f C. How is D
	related to C?				
	ia) Father	ib) Sister	(c) Mother	id) Au	ınt
19.	P is the son of Q				
	of R. If S is the s		_		orrect ?
	(a) T is the broth	-	(6) S is the		C.D.
	(c) Q and S are s		(d) S is the	maternal uncle	e of P.
20	(e) R is the grand		on of C. Dia th	o fother of A. T	Dagad on those
20.	A is the brother o three statements,				
	(a) B is the broth		<i>ib)</i> B is the		initicity true :
	ic) A is the broth			brother of A.	
	ie) A, B and C ar		<i>tay</i> 0 16 the		(B.S.R.B. 1997)
21.	A is father of X		Y. The sister of		•
	following stateme				
	ia) B is the mother			(c) Y is th	e son of AC •
	id) B has one day	aghter. (e) B	is the wife of A	•	
22.	Rajan is the brot	her of Sachin and	Manick is the	father of Rajan	. Jagat is the
	brother of Priya a	nd Priya is the da	ughter of Sachir	n. Who is the u	incle of Jagat?
	(a) Rajan	(b) Sachin	(c) Manick	id) No	one of these
			•	ansmission Ex	•
23.	Neelam, who is D	eepak's daughter,	says to Deepik	a, "Your mothe	r Rekha is the

younger sister of my father who is the third child of Ramlal." How is Ramlal

(c) Grandfather

related to Deepika?

(b) Father

ia) Uncle

id) Father-in-Law

24.	P is the brother of Q and R.		Ps father. Which of the
	following statements cannot be	•	
	(a) T is Q's father.	(b) S is Ps mother.	(c) P is S's son.
	(d) T is S's husband.	(e) Q is T's son.	
25.	P is the brother of D. X is the s		er of F. F is the daughter
	of D. M is the father of X. Wh	o is the uncle of A?	
	<i>ia)</i> X (6) P	(c) F	(d) M
26.	K is the brother of N and X.		
	Which of the following stateme	ents is not definitely tru	ie ?
	(a) K is the son of Z . (6)	b) Y is the wife of Z.	(c) K is the son of Y.
	(d) K is the father of X. (ϵ	e) N is the brother of X.	
27.	A woman walking with a boy	meets another woman a	and on being asked about
	her relationship with the boy,	she says, MMy materna	l uncle and his maternal
	uncle's maternal uncle are bro	thers." How is the boy	related to the woman?
	(a) Nephew (6) Brother-in-l	Law (c) Son (d) G	randson (e) Husband
	Directions (Questions 28 to		
ans	wer the questions that follow	:	(B.S.R.B. 1998)
	(/) In a family of six persons A	A* B, C, D, E and F, ther	re are two married couples.
	(ii) D is grandmother of A an	d mother of B.	
	(iii) C is wife of B and mothe	r of F.	
	(ft;) F is the grand daughter of	of E.	
28.	What is C to A?		
	(a) Daughter	(6) Grandmother	• (c) Mother
	(d) Cannot be determined	(e) None of these	
29.	How many male members are	there in the family?	
	(a) Two	(6) Three	(c) Four
	(d) Cannot be determined	(e) None of these	
30.	Which of the following is true	5	
	(o) A is brother of F, (t	o) A is sister of F.	(c) D has two grandsons,
	(d) B has two daughters.	e) None of these.	-
31.	Who among the following is of	ne of the couples?	
	(a) CD	(b) DE	(c) EB
	id) Cannot be determined	(e) None of these	
	Directions (Questions 32 to	37): Study the followi	ng information carefully
and	answer the questions given	below it :	
	All the six members of a famil	y A, B, C, D, E and F	are travelling together. B
	he son of C but C is not the n		-
	brother of C. D is the daughte		of B.
32.	How many male members are	there in the family?	
	(a) 1 (6) 2	(c) 3	(rf) 4
33.	Who is the mother of B?		
	(a) D (6) F	(c) E	(d) A
34.	How many children does A ha	ave ?	
	(a) One (b) Two	(c) Three	(cf) Four

35.	Who is the wife of E?			
	(a) A (6) F	(c) B	id) Can't be d	etermined
36.	Which of the following is a pair	of females?		
	ia) AE ib) BD	(c) DF	id) AD	
37.	How is E related to D?			
	ia) Father (6) Brother	(c) Uncle	<i>id)</i> Can't be d	etermined
	Directions (Questions 38 to 4	12) : Read the	information g	iven below and
ans	wer the questions that follow:			(Bank P.O. 1995)
	I. A, B, C, D, E and F are six	x members of a	family.	
	II. One couple has parents and	d their children	in the family.	
	III. A is the son of C and E is	the daughter o	f A.	
	IV. D is the daughter of F who		of E.	
38.	Who are the male members in	· ·		
	ia) A and C	(6) C and F	(c) A, B	and D
20	id) Cannot be determined	` '		
39.	Which of the following pairs is ia) BC	-		
	(d) Cannot be determined	(6) CF	(c) BF	
40	Which of the following pairs is	·		
10.	<i>ia)</i> AB (6) BC	_	_	e) None of these
41.	How many female members are	•	•	, ivolic of those
	ia) Two	ib) Three	ic) Four	
	id) Can't be determined	•	•	
42.	What relationship do D and E	bear to each oth	ner ?	
	ia) Sister and Brother	ib) Mother and	l Son	
	ic) Grandmother and Grand day	ughter id) Sister (e	e) None of these
43.	A, B, C, D, E, F and G are me		-	
	three children, two of >vhom, F			
	a doctor. E is an engineer marr B is married to D and G is the			nas two children. (IJV.S. 1998)
		ghter ic)		<i>id)</i> G's brother
	Directions iQuestions 44 to 4	•		
and	l answer the questions given l	•		
	In a family, there are six members	ers A, B. C, D,	E and F. A and	B are a married
	ple, A being the male member. l	•	· ·	
	s the sister of D. B is the daugh	ter-in-law of F,	whose husband	has died.
44.	How is F related to A?			
	(a) Mother	(6) Sister-in-La		(c) Sister
4 5	(ci) Mother-in-Law	(e) None of the	ese	
45.	How is E related to C?	(a) Caracia	(1) A	4 3 5 4
16	(a) Sister (6) Daughter Who is C to B?	(c) Cousin	(d) Aunt	(e) Mother
46.	(a) Brother	(6) Drothon in	Low	(a) Na. 1.
	(d) Son-in-Law	(6) Brother-in- (e> None of the		(c) Nephew
	() ~ 111 Huv	IC> MOTIO OF ITE		

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47.	How many male m			y :	
	ia) One	<i>ib)</i> Two (c) 7	Γhree	id) Four	(e) Five
48.	How is F related to	C ?			
	(a) Mother-in-Law	(6) Sister-in-Law	(c) Mother	(rf) Aunt	ie) Sister
49.	Shobha is the niece	of Ashish. Ashish	's mother is I	Priya. Kamla is	Priya's mother.
	Kamla's husband is	s Hari. Krishna is	s the mother-	-in-law of Hari.	How is Shobha
	related to Hari?			(Assista	ant Grade, 1996)
	ia) Daughter	(6) Great grando	laughter	(c) Grandniece	
	id) Great grandson	's daughter			
	Directions (Questi			lowing inform	ation carefully
and	answer the questi	ions given below	it:		(Railways, 1998)
-	There are six person	ns A, B, C, D, E a	and F. C is the	he sister of F.	B is the brother
	's husband. D is th		_	r of F. There	are two fathers,
	e brothers and a m	_	p.		
60.	Who is the mother				
	ia) A '	<i>ib)</i> B	ic) D	id) E	
51.	Who is E's husband	d ?			
	ia) B	ib) C	ic) A	id) F	
52.	How many male m	embers are there	in the group	o ?	
	ia) One	ib) Two	ic) Three	<i>id)</i> Four	
53.	How is F related to	ь Е ?			
	(a) Uncle	<i>ib)</i> Husband	ic) Son	id) Daugl	nter
54.	Which of the follow	ring is a group of	brothers?		
	ia) ABF	(6) ABD	ic) BFC	id) BDF	
	Directions iQuesti	ons 55 to 60) : .	Read the fol	lowing inform	ation carefully
	answer the quest				
	A family consists of		_	-	
	ot mother of Q. P a		ried couple.	is the brothe	r of R. X is the
	ghter of P. Z is the Who is the brother				
55.	(a) P	<i>ib)</i> Z	(c) V	(d)V	
56	Who is the father	•	(c) Y	(d)X	
50.	ia) R	<i>ib)</i> P	ic) Z	<i>id)</i> None	of these
57	How many children	•	ic, z	itty ivone	or these
01.	ia) One	(6) Two	(c) Three	<i>id)</i> Four	
58.	How many female	` ,	` '	•	
	ia) One	<i>ib)</i> Two	ic) Three	<i>id)</i> Four	
59.	How is Q related to	•	•	•	
	ia) Husband	(6) Father	(c) Brother	(d) Uncle	
60.	Which is a pair of	brothers?			
	ia) P and X	ib) P and Z	ic) Q and 2	X id) R and	1 Y
	Directions (Questi	ons 61 to 65) :	Study the	information g	iven below and
ansı	wer the questions	that follow:			
	There is a family of	_		~	
Teac	cher, Salesman, Eng	gineer and Accour	ntant. There	are two marrie	d couples in the

family. D, the Salesman is married to the Lady Teacher. The Doctor is married to the Lawyer. F, the Accountant is the son of B and brother of E. C, the Lawyer is the daughter-in-law of A. E is the unmarried Engineer. A is the grandmother of F.

61. How is E related to F? ib) Sister (a) Brother (c) Cousin (d) Cannot be determined (e) None of these **62.** What is the profession of B? (6) Doctor (a) Teacher (c) Lawyer id) Cannot be determined ie) None of these 63. What is the profession of A? ia) Lawyer (6) Teacher (c) Doctor (rf) Cannot be determined ie) None of these 64. Which of the following is one of the couples? (a) F and D ib) D and B ic) E and A (d) A and C (e) None of these 65. How is D related to F? ia) Grandfather ib) Father (c) Uncle

Directions (Questions 66 to 70): Read the following information carefully and answer the questions below:

ie) None of these

A family consists of six members P, Q, R, S. T and U. There are two married couples. Q is a doctor and the father of T. U is grandfather of R and is a contractor. S is grandmother of T and is a housewife. There is one doctor, one contractor, one nurse, one housewife and two student* in the family.

(rf) Brother

66. Who is the husband of P? ia) R ib) U ic) Q id) S (e) T 67. Who is the sister of T? ia) R (6)U(c) T id) Information insufficient ie) None of these 68. What is the profession of P? (a) Doctor (6) Nurse (c) Doctor or Nurse (d) Housewife (e) None of these 69. Which of the following are two married couples? ia) US. QT ib) US, QP (c) TS, RU (d) US, RP ie) None of these 70. Which of the following is definitely a group of male members? ib) QUT (c) QUP (d) UT ia) QU (e) None of these

Directions (Questions 71 to 73): Read the following information carefully and answer the questions that follow: (S.B.I.P.0.1995)

In a village of Bastar district in Madhya Pradesh, only two types of people live who belong to a tribal class. The first type is known as class A, while the other is known as class B. In that village, there is po other type of person except these two. The activities of both types of people are governed by perfectly patterned norms of social behaviour. Each person of the tribe has to obey the norms. They ore rigid about this.

As far as marriage is concerned, the following norms are to be followed

- (A) The people of class A cannot marry any other member of their own class, though they can marry members of class B.
- (B) After being married, each male member ceases to be a member of that class in which he was born but automatically, he becomes the member of the other class to which his wife belongs.
- (C) As far as females are concerned, they remain the members of their own class after being married.
- (D) On his birth, the child automatically becomes the member of his mother's class.
- (E) When any male member becomes widower or divorcee, then he again belongs to the group in which he was born.
- (F) Nobody can marry more than one person according to social laws.
- 71. Any class B female can have
 - (P) Grandfather born in class A
 - (Q) Grandmother born in class A
 - (a) Only (P) can be true
- (b) Only (Q) can be true
- (c) Either (P) or (Q) can be true
- (d) Neither (P) and (Q) can be true
- (e) Both (P) and (Q) can be true
- 72. One boy, who was bom in class B (boy and his wife both can have married and unmarried brothers),
 - (a) can have his daughter in class B (6) can have a son-in-law born in class A
 - (c) can have his uncle from any class (d) can have a divorced son in class B
 - (e) can have a daughter-in-law born in class A.
- 73. Which of the following marriages is not permissible according to the social laws?
 - (a) Any girl of class B marries his mother's brother.
 - (б) Any widower marries his wife's sister.
 - (c) Any boy of class B marries his father's sister.
 - (d) Any widower born in class A marries his brother's widow.
 - (e) Any widow marries the former divorced husband of her daughter.

ANSWERS

- 1.(a): Grandmother is one female, mother is another, wives of four sons are the four females and two daughters of all four sons are eight females.
 - So, in all there are 1 + 1 + 4 + 8 = 14 females.
- 2. (c): Shalini is Mtena's step-daughter means Shalini is the daughter of the other wife of Rohan. So, Shalini is the daughter of Lakshmi or Lakshmi is the mother of Shalini.
- 3.(b): Anil is the brother of Daya and Daya is the son of Chandra. So, Anil is the son of Chandra. Now, Bimal is the father of Chandra.
 - So, Anil is the grandson of Bimal.
- 4. (6): Clearly, the only daughter of Monika's father is Monika herself. So, Rahul's mother is Monika Thus. Monika's husband is the father of Rahul.
- 5. (c): M is the brother of N and B is the brother of N. So. M is the brother of B.
- 6. (a): Deepak is the son of Ravi, who is the son of Rekha. Thus, Deepak is the son of Rekha
- 7. (d): A is the sister of B and B is the daughter of C. So, A is the daughter of C. Also, D is the father of C. So, A is the granddaughter of D.

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8. (a) : Clearly, D *is* the brother of E and E ia the daughter of B. So, D is the son of B. Also, A is the brother of B. So, A is the uncle of D.

- 9. (d): T is the brother of S, who is the daughter of R. So, T and S are the children of R. Now. Q is the brother of R. So, T and S are the cousins of Q.
- 10. (d): C is B's daughter and D is B's son. So, D is the brother of C. E is a male married to C. So, E is the husband of C, whose brother is D. So, D is the brother-in-law of E.
- 11. *ia*): A is father of C and C is sister of D. So, A is father of D. But D is son of B. So, B is the mother of D and wife of A. Also, E is the brother of A. So, B is the sister-in-law of E.
- 12. (a): S is daughter of P and sister of T. So, T is daughter of P. Now, the sister of P is the daughter of M. This means that P is also the daughter of M. Clearly, T is the granddaughter of M. So, M is the Grandfather or Grandmother of T.
- 13. ia): A is the son of B and D is the son of the sister of B. So, A is the cousin of D.
- 14. (c): E is the daughter of C and D is the son of C. So, F, who is the maternal uncle of D. is also the maternal uncle of E. Thus, E is the niece of F.
- 15. (c): Clearly. F is the maternal uncle of D means F is the brother of D's mother i.e.. F is the brother of C. C is the sister of B. So, F is the brother of B who is As mother. Thus. F is the maternal uncle of A. So. A and D arc the nephews of F i.e., F has two nephews
- 16. (c): D is the son of B, B is the brother of C and A is the father of C. This means that B is the father of D and A is the father of B. So, A is the grandfather of D. Now, F is the spouse of A. So, F is the grandmother of D.
- 17. (o): As explained above. B is the son of A and F is the spouse of A. So, B is the son of F.
- 18.*ib*): C is As fathers nephew means C is the son of A's fathers brother i.e., C is the cousin of A. D is also As cousin. So, D must be real brother or sister of C. But D is not brother of C. So, D must be sister of C.
- 19. (d): Q and R are sisters. So. T is the mother of R means T is the mother of Q and R. S is the son of T means S is the brother of Q. Thus, P is the son of Q means S is the maternal uncle of P.
- 20. (d): A is the brother of B and B is the brother of C. So, C may be the brother or sister of A.
- 21.(c): A is the father of X and Y is the sister of X So. Y is the daughter of A.
- 22. (a): Jagat is the brother of Priya and Priya is the daughter of Sachin. So. Jagat is the son of Sachin. Now, R[^]jan is the brother of Sachin. Thus, R[^]jan is the uncle of Jagat.
- 23. ic): Neelam's father is Deepak. Deepika's mother is Rekha. Deepak is the third child of Ramlal. So, Deepak's younger sister Rekha is the daughter of Ramlal. So. Ramlal is father of Rekha and grandfather of her daughter Deepika.
- 24. *ie*): P. Q. R are children of same parents. So. S who is R's mother and T, who is Fs father will be mother and father of all three. However, it is not mentioned whether Q is male or female. So, *ie*) cannot be definitely true.
- 25. *ib*): A is the brother of F who is the daughter of D. So. A is the son of D. P is the brother of D. So, P is the uncle of A.
- 26. *ie*): K is the brother of N and X. So, Y, who is the mother of N and Z, who is the father of K. will be mother and father of all three However, it is not mentioned whether N is male or female.

 So, the statement (*) cannot be definitely true.
- 27. *ic*): Boy's maternal uncle will be brother of boy's mother. Maternal uncle of mother's brother and maternal uncle of lady are brother means lady is sister of mother's brother *i.e.*, lady is the mother of the boy. So, the boy is woman's son.
- 28. *ic*): C is the wife of B and D is mother of B. So, C is the grandmother of A. So, C is the mother of A.

- 29. (d): Clearly, the sex of A cannot be determined.
- 30. *ie)*: The sex of A is notHnown. So. neither <a) nor (6) is definitely true Clearly. D in the grandmother of A and F.
- 31. (6): C is wife of B. So. one couple is BC. Now. D is grandmother of A B *is* the son of D and his wife C is vhe mother of F So, D *is* also the grandmother of F But F is the granddaughter of E. So, E is the grandfather of F and the husband of D. Thus, DE is another couple

Questions 32 to 37

- B is the son of C but C is not the mother of B means C is the father of B A is married to C means A is the mother of B. F is brother of B means F is son of A and C. D is daughter of A means D is daughter of A and C.
- 32. *id*): A is the mother and hence female. B is the son and hence male. C is the husband and hence male. D is the daughter and hence female. E is the brother and hence male F is the son and hence male. So, there are four males.
- 33. (tf) r Clearly, A is the mother of B.
- 34. (c): A has son B, son F and daughter D i.e. three children.
- 35. (c/): Clearly, from the data available, the wife of E cannot be determined.
- 36. (d): Clearly, the females are only the mother A and the daughter D
- 37. (c): E is the brother of C who is the father of D So. E is the uncle of D.

Questions 38 to 42

E is the daughter of A and F is the mother of E. So, A is the father of E and honce the husband of F. Now. D is the daughter of F So, D and E are the daughters of A and P

Also, A is the son of C. Now, only B remains. Thus. B and C are the parents of A.

- 38. id): The sex of B and C cannot be determined.
- 39. ie): Clearly, A and F are the parents of the children D and E.
- 40. (6): Clearly, B and C are the parents of the couple.
- 41. ic): Clearly, the females in the family are: either B or C, F, D and E.
- 42. (d): Clearly, D and E are sisters
- 43. *ia*): E is married to A or D. But B is married to D. Thus. E is married to A. Thus, A, B. D. E are the four adults and C, F. G are the three children in the family. B and D have a child O.

A and E have two children. They are C and F.

Now. only F and G are girls. So. C is a boy. Thus, C is A's or E's son.

Questions 44 to 48

A is a male and married to B. So, A is the husband and B is the wife. C is the brother of A. D is the son of C. E, who is the sister of D will be the daughter of C. B is the daughter-in-law of F whose husband has died means F is the mother of A

- 44. (a): Clearly, F is the mother of A.
- 45. (6): Clearly. E is the daughter of C.
- 46. *ib*): C is the brother of A who is the husband of B. So, C is the brother-in-law of B.
- 47. (c): A is a male. B. the wife, is female. C, the brother, is male. D. the son. is male. E. the sister, is female. F, the mother, is a female. So. there are three males.
- 48. ic): F is the mother of A and C is the brother of A. So. F is the mother of C
- 49. (6): Shobha is the niece of Ashish means Ashish is the uncle of Shobha. Now. Priya i* Ashish s mother. So, Priya is the grandmother of Shobha. Hari is Priya's father. So. Shobha is the great granddaughter of Hari.

Questions 50 to 54

D is father of A and grandfather of P. So. A is father of F. Thus. D and A are the two fathers. C is the sister of F. So. C is the daughter of A. Since there is only one mother, it is evident that E is the wife of A and hence the mother of C and F. So, B is brother of A. There are three brothers. So, F is the brother of C.

- 50. id): Clearly. E is the mother.
- 61. (c): Clearly, A is ETs husband
- 52. *(d):* A, the father, is male B. the brother, is male. C. the sister, is female. D, the grandfather, is male. E. the mother, is female. F, the brother, is male So, there are four males.
- 53. (c): Clearly, F is the son of A.
- 54. (o): Clearly. B and A are brothers. F is the brother of C. So, three brothers are A, B, F. Questions 55 to 66

Q is the son of R but R is not the mother. So. R is the father of Q. P is married to R. So, P is the wife of R and the mother of Q X is the daughter of P and hence of R and so she is the sisUr of Q. Y is the brother of R and Z is the brother of P.

- 55. (6): R is the husband of P and Z is the brother of P. So, Z is the brother-in-law of R
- 56. (a): R is the father of Q

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- 57. (6): Clearly. Q is the son of P and X is the daughter of P. So, P has two children.
- 58. (6): There are two females only mother P and daughter X.
- 59. (c): X is the sister of Q who is a male. So, Q is brother of X.
- 60. (c/): Clearly. Y is brother of R who is a male. So, Y and R are a pair of brothers. Questions 61 to 65

C is the daughter-in-law of A who is the grandmother of P means C is the mother of F But F is the son of B. So. B is C's husband. But C, the lawyer, is married to the Doctor So, B is the Doctor. F, the Accountant, will be the son of B and C. E is the unmarried Engineer. So, the other married couple can be that of grandmother of F $i\,t$. A and D. But D. the Salesman, is married to the Lady Teacher. So, D, the Salesman, is the grandfather of F. father of B and the husband of A, the Lady Teacher.

- 61. (d): Clearly, from the given data, the relation between E and F cannot be determined.
- 61 (b): Clearly. B is the Doctor.
- 63. (b): A is the Lady Teacher,
- 64. (t): The two couples are C and B; and D and A which is none among the choices.
- 65. (a): D is the grandfather of F.

Questions 66 to 70

- Q, the Doctor, is the father of T. S. the Housewife, is the grandmother of T and hence the mother of Q. Since there are only two married couples one being that of Q, the grandfather of R i.e. U must be married to S. Thus, R and T will be both children of Q and these roust be the students So, P, who remains, shall be the wife of Q and she alone can be the nurse. Thus, U must be the contractor.
- 66. Ic): The husband of P will be Q
- 67.<o): Clearly. R and T are children of same parents. So. R will be the sister of T.
- 68. (6): P is the nurse.
- 69. (6): The two married couples are Q, P and U, S.
- 70. (a): Clearly, for definite the males arc Q, the father and U, the grandfather
- 71. (6): The mother of class B female belongs to class B. So. her father was born in daM A. Thus, her fathers mother belonged to class A, and fathers father was born in clacs B. So, the Grandfather belongs to class B and Grandmother belongs to class A.

72. (c): The boy born in class B will marry a girl of class A. So. the daughter will belong to class A. Thus, (a) is false.

Since the boy's daughter will belong to class A, she would marry a boy of class B and so the son-in-law would be from class B So, (6) is false.

The boy, born in class B. will have mother born in class B and father born in class A. So, his uncle (i.e. mothers brother or father's brother) can be from class A or B. So, (c) is true.

73. (a): A girl of class B will have mother born in class B and so the mother's brother will also belong to class B. Since people of any class cannot marry the members of their own class, so the condition in (a) is not permissible.

TYPE 3: CODED RELATIONS

In such questions, the relationships are represented by certain codes or symbols such as +, x, -r, \cdot etc. Then relationships between certain persons, given in the form of these codes, are to be analysed.

Ex. 1. If A + B means A is the sister of $B \setminus A$ - B means A is the brother of $B \setminus A \times B$ means A is the daughter of B, which of the following shows the relation that E is the maternal uncle of I) ?

(a) $D + F \times E$

(6) D-FxE

(c)DxF + E

(d) DxF-E

(e) None of these.

Sol. Clearly, E is the maternal uncle of D means D is the daughter of the sister (say F) of E i.e. D x F + E.

Hence, the answer is (c).

Ex. 2. Read the following information carefully and answer the questions that follow:

A 4 B means A is the son of B: A - B means A is the wife of B; A x B means A is the brother of B; A + B means A is the mother of B and A = B means A in the sister of B.

- 1. What does P + R Q mean?
 - (a) Q is the father of P.

(ft) Q is the son of P.

(c) Q is the uncle of P.

(d) Q is the brother of P.

- 2. What does PxR+Q mean?
 - (a) P is the brother of R.

(h) P is the father of Q

(c) P is the uncle of Q.

- (d) P is the nephew of Q.
- 3. What does P= R + Q mean ?
 - (a) P is the aunt of Q.

(ft) P is the daughter of Q.

 10 (c) P is the niece of Q.

- (d) P is the sister of Q.
- 4. What does P= R + Q mean ?
 - (a) P is the aunt of Q.

(ft) P is the sister of Q.

(c) Q is the niece of P.

(rf) Q is the daughter of P.

Solution:

- 1. Clearly, P + R Q means P is the son of R who is the wife of Q *i.e.* Q is the father of P. Hence, the answer is (a).
- 2. PxR + Q means P is the brother of R who is the mother of Q i.e. P is the uncle of Q. So, the answer is (c).

3. P = R + Q means P is the sister of R who is the son of Q Le. P is the daughter of Q. So, the answer is (6).

4. P = R + Q means P is the sister of R who is the mother of Q i.e. P is the aunt of Q. So, the answer is ia).

		EXERCISE 5C]	
1.	P + Q means P is the brother means P is the sister of Q .	•	<u> </u>
	(a) M + K + R	(6) M - R + K	(c) M + K - R
	id) M + K x R	(e) None of these	()
2.	If $A + B$ means A is the b $A \times B$ means A is the sister of P ?	prother of B ; A+ B means A of $B_{\%}$ which of the following	ng means M is the uncle (8.B.IJP.O. 1997)
	(a) N x P 4 M	(b) M + S + R • P	(c) M • N x P
	(d) M + K + T x P	(e) None of these.	
	Directions IQuestions 3 to	•	nformation and answer
	questions givei below it :		
	A + B means A is the daugh	hter of B ; A x B means A is	s the son of B and $A - B$
	ans A is the wife of B.		
3.	If $P \times Q - S$, which of the fo		
	ia) S is wife of Q		(c) P is daughter of Q
	id) Q is father of P	(e) None of these	
4.	If T - S x B - M, which of the	he following is not true?	
	(a) B is mother of S	(b) M is husband of B	ic) T is wife of S
	(d) S is daughter of B	(e) S is son of B	
5.	If $Z \times T - S \times U + P$, what is	U to Z.	
	ia) Mother	(b) Grandmother	ic) Father
	(d) Can't be determined	(e) None of these.	
6.	$P \times Q$ means P is the sister of P is the mother of Q . Which	•	
	(a) T x M + S	(6) S + T x M	(c) S x M t T
	(d) S x M - f R - T		(B.S.R.B. 1997)
7.	If $A + B$ means A is the sor means A is the sister of B , the maternal uncle of P ?		
	· ·	(6) P - B + R x Q	(c)P + B x R - Q
	• •	(e) None of these	
8.	If A * B means A is the momeans A is the son of B are following means C is the n	ther of B ; A + B means A and A - B means A is the d	•
	•	(c)C-P*D (rf)P	+ D + C (e)D-P-rC
9.	If X o Y means X is the wing means X is the sister of $Y_{\%}$	fe of Y ; $X \cdot Y$ means X is	the son of Y and X • Y

daughter of B?

4

	(a) A * C • D o B	(6) A o C •	D • B	(c) A O C o D ' B
	(d) A • C * D o B	(e) None of	these	
]	Directions (Questions 10	to 12) : Sti	udy the info	rmation given below and
ansı	ver the questions that foll	low:		
1	A + B means A is the daugh	ter of $B \setminus A$	- B means A	is the husband of B ; $A \times B$
mea	ns A is the brother of B.			
10.	If $P + Q - R$, which of the fo	llowing is tr	ue ?	
	(a) R is the mother of P	, ,		
	(c) R is the aunt of P	(d) R is	s the mother	-in-law of P
11.	If $P \times Q + R$, which of the fo	_		
	(a) P is the brother of R	` '		
	(c) P is the son of R	` '		of R
12.	If $P + Q \times R$, which of the fo	-		
	(a) P is the niece of R		_	
	(c) P is the cousin of R	` '	•	er-in-law of R
13.	If (A) $P + Q$ means P is the			
	(B) P x Q means P is the		,	
	(C) P - Q means P is the	-		
	which of the following repre-		•	
	(a) $T \times M + S - K$			
4.4	(d) T x S + M - K			
14.	To find out the answer to the dispensed with?	ne above qu	iestion, which	i of the statements can be
	(a) A only (6) B only	(c) C only	(d) B or C (only (e) All are necessary
15.	If $P + Q$ means P is the hu			
	P x Q means P is the son of			• •
	of B?			(Bank P.O. 1996)
	(o) C x B + A	(6) $B + C x$	κA	(c)DxB+C+A
	(d) A + D x B	(e) None o		
16.	X - Z means X is the mother			
	means <i>X</i> is the daughter of <i>Z</i> . is not true?	NOW, IT IVI -	- N X I + Q,	(B.8.R.B. 1998)
	(a) T is N's daughter (6)	N is wife of	f Q (c) M	` ,
	• •		daughter of M	
	Directions (Questions 17)	•	•	
	answer the questions give	•	•	
	A + B means A is the father	$of B \setminus A - B$	means A is	the wife of $B \setminus A \times B$ means
A i	s the brother of $B \setminus A + B$ me	eans A is th	e daughter of	B.
17.	If $P + R + S + Q$. which of the	•		
	(o) P is the daughter of Q	•	6) Q is the a	
4.0	(c) P is the aunt of Q	•	d) P is the m	
۱۵.	If P - R + Q, which of the fo	_		
	(a) P is the mother of Q(c) P is the aunt of Q	•	6) Q is the d d) P is the s	•
	(o) I is the autit of Q	(C	<i>y</i> 1 13 1116 3	notel of Q

- 19. If P x R + Q, which of the following statements is true?
 - (a) P is the uncle of Q
- (b) P is the father of Q
- (c) P is the broths of ^
- (d) P is the son of Q
- 20. If P x R Q, which of the following is true?
 - (a) P is the brother-in-law of Q
- (6) P is the brother of Q
- (c) P is the uncle of Q
- (<i) P is the father of Q
- 21. If P + R + Q. which of the following is true?
 - (a) P is the brother Q
- (6) P is the son of Q
- (c) P is the husband of Q
- (d) P is the father of Q
- 22. If P + R + Q. which of the following is true?
 - (a) P is the father of Q
- (b) P is the brother of Q
- (c) P is the mother of Q
- id) P is the sister of Q
- 23. If $P \times R + Q$, which of the following is true?
 - (a) P is the uncle of Q
- (6) P is the father of Q
- (c) P is the brother-in-law of Q
- (d) P is the grandfather of Q
- 24. If P R x Q, which of the following is true?
 - (a) P is the sister of Q
- (b) Q is the husband of P
- (c) P is the sister-in-law of Q
- (d) Q is the son of P

ANSWERS

- 1. *ic)*: M is the maternal uncle of R means M is the brother of the mother (say K) of R i.e. N + K-R.
- 2. (rf): M is the uncle of P means M is the brother of the father (say K) of the sister (say T) of P i.e. M K + T x P.
- 3. (6): PxQ-S means P is the son of Q who is the wife of S *i.e.* P is the son of S or S is the father of P.
- 4.id): T S x B M means T is the wife of S who is the son of B who is the wife of M **Le.** T is the wife of the son of M (father) **Le.** T is the daughter-in-law of M. But as this is not given in the choice, so the fact in (d) derived from S * B is true.
- 5. (6): Z*T-SxU means Z is the son of T who is the wife of S who is the son of U i.e. Z is the son of S who is the son of U **Le.** Z is the grandson of U or U is the grandmother or grandfather of Z. From the choice, (6) is true.
- 6. (c): S is the aunt of T means S is the sister of the father (say M) of T Le. S x M T.
- 7. *ia)*: Q is the maternal uncle of P means P is the son the sister of Q *Le*. P is the son of the husband (say B) of the sister (say R) of QU. (P+B-Rx Q).
- 8. (c): C is the niece of D means C is the daughter of the brother (say P) of D Le. C P + D.
- 9. *id)*: A is the daughter of B means A is the sister of the son (say C) of the wife (say D) of B i.e. A C Do B.
- 10. ia): P Q R means P is the daughter of Q who is the husband of R Le. R is Fs mother.
- 11.(c): PxQ + ft means P is the brother of Q who is the daughter of R *i.e.* P is the son of R.
- 12. *ia)*: **P** + **QxR** means P is the daughter of Q who is the brother of R **Le.** P is the niece of R
- 13. ic): S is the niece of T means T is the brother of the father (say M) of S le. T M x S.
- 14. *ic)*: Clearly, statement *ic)* can be dispensed with while answering the above question.
- 15. id): A is the daughter of B means A is the sister of the son (say D) of B i.e. A + D v B.

16 *Ad*): M - N x T + Q means M is the mother of N who is the father of T who is the daughter of Q *i.e.* M is the grandmother of the daughter of Q *i.e.* M is the mother of Q. Since this is not given in the choices, so the fact in (d) derived from N x T + Q is true.

- 17. (c): P + R + S + Q meana P is the daughter of R who is the father of S who is the father of Q *i.e.* P is the sister of the father (S) of Q *i.e.* P is the aunt of Q.
- 18. (a): P R + Q means P is the wife of R who is the father of Q *i.e.* P is the mother of Q.
- 19 Ad): P x R + Q means P is the brother of R who is the daughter of Q i.e. P is the son of Q.
- 20*Aa*): P x R Q means P is the brother of R who is the wife of Q *i.e.* P is the brother-in-law of Q.
- 21. (c): P + R + Q means P is the father of R who is the daughter of Q *i.e.* P is the father of R and Q is the mother of R *i.e.* P is the husband of Q.
- 22 Ad): P + R + Q means P is the daughter of R who is the father of Q Le. P is the sister of Q
- 23. (o): P x R + Q means P is the brother of R who is the father of Q *i.e.* P is the uncle of Q
- 24. (c): P R x Q means P is the wife of R who is the brother of Q *i.e.* P is the sister-in-law of Q.