I. Easy

1. B is before C

A is after C

2. D is before E

G is after D

F is before D

3. H is before I

K is after H

I is before L

Jis before H



I. Easy - Answer Key

A is after C

G is after D

F is before D

D-G

$$-D < \frac{E}{C}$$

K is after H

J is before L

Jis before H

Н-К

J-L

J-H

II. Medium

- 4. O is before N
 - Q is before O
 - P is before R
 - P is after M
 - O is after M

- **5.** T is before S
 - W is after U
 - Y is after S
 - Z is before W
 - X is before S
 - Y is before W



II. Medium - Answer Key

4. O is before N O-N

Q is before O Q-O

P is before R P-R

P is after M M-P

O is after M M-O

5. T is before S T-S

W is after U \bigcup - \bigvee

Y is after S S-Y

Z is before W Z-W

X is before S X-S

Y is before W Y-W

T > S - Y = W

III. Hard

6. D is before F C is after A

Jis before A Jis after B

E is after G D is before G

B is after I H is before I

F is before H F is before B

7. L is before Y P is after T

Z is before M Z is after X

S is before W L is after T

X is before U Q is before N

R is before T Q is after M

Q is after Y Z is after W

K is before L L is after S



III. Hard - Answer Key

6. D is before F	D-F	C is after A	A-C
J is before A	J-A	J is after B	B-J
E is after G	G-E	D is before G	D-G
B is after I	I-B	H is before J	H-J
F is before H	F-H	F is before B	F-B

$$D < G > E$$

$$D < G > H$$

$$S > J - A - C$$

7. L is before Y	L-Y	P is after T	T-P
Z is before M	Z-M	Z is after X	X-Z
S is before W	S-W	L is after T	T-L
X is before U	X-U	Q is before N	Q-N
R is before T	R-T	Q is after M	Ň-Q
Q is after Y	Y-Q	Z is after W	W-Ž
K is before L	K-L`	L is after S	S-L

$$\begin{array}{c} R-T-P \\ K-L-Y-Q-N \\ S-W-Z-M \\ \times -U \end{array}$$

IV. Extreme

8.	P is before B	F is before M	D is before H

O is after G F is before R X is before S

M is before A C is after L O is after Z

Y is after A E is before S G is before L

K is after J Z is after V S is after N

Lis before S Q is after B G is after P

W is before T M is after Q B is after R

R is after D H is after T L is before Y

V is after S S is before P A is before J



IV. Extreme - Answer Key

8. P is before B	P-B	F is before M	F-M	D is before H	D-H
O is after G	G-O	F is before R	F-R	X is before S	X-S
M is before A	M-A	C is after L	L-C	O is after Z	Z-O
Y is after A	A-Y	E is before S	E-S	G is before L	G-L
K is after J	J-K	Z is after V	V-Z	S is after N	N-S
I is before S	I-S	Q is after B	B-Q	G is after P	P-G
W is before T	VV-T	M is after Q	Q-M	B is after R	R-B
R is after D	D-R	H is after T	T-H	L is before Y	L-Y
V is after S	S-V	S is before P	S-P	A is before J	A-J

W-T-H
$$D = R - B - Q - M - A = Y$$

$$E = S < P < G = C$$

$$N$$