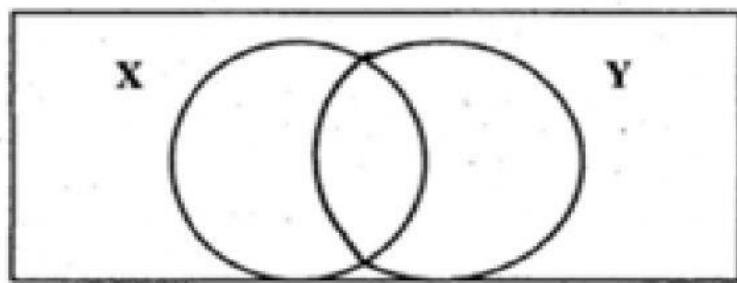


Sets

BJC Revision

1. Place each element/member in the correct region in the Venn diagram below.

- | | |
|-----------------------------|---|
| (a) 3 in X but not in Y | 3 |
| (b) 1 in Y but not in X | 1 |
| (c) $4 \in X \cap Y$ | 4 |
| (d) $2 \in (X \cup Y)^1$ | 2 |



2. (a) Match the correct column B besides the Correct Symbol in Column B

COLUMN A - SYMBOL	COLUMN B - MEANING
1. \emptyset	A. The complement
2. \cap	B. Intersection
3. \cup	C. Is not a member of
4. \subset	D. Union
	E. Subset of
	F. The number of elements

(b) Set **E** contains the even numbers less than 11

(i) List all the numbers of Set **E**

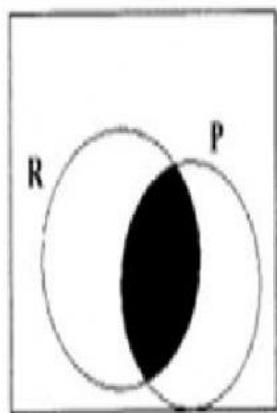
(ii) State **n(E)** =

Set **P** contains prime numbers less than 8

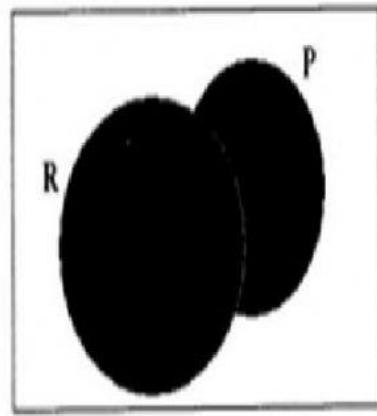
(iii) State the prime numbers of Set **P**

(iv) List the members of $P \cap E$

3. Which diagram represents $R \cap P$



A



B