

AFCAT 1 2025

LIVE ●

REASONING

VENN DIAGRAMS

SSBCrack
EXAMS



RUBY MA'AM



26 Sep 2024 Live Classes Schedule

8:00AM	26 SEP 2024 DAILY CURRENT AFFAIRS	RUBY MA'AM
9:00AM	26 SEP 2024 DAILY DEFENCE UPDATES	DIVYANSHU SIR

NDA 1 2025 LIVE CLASSES

11:30AM	GK - CLIMATOLOGY	RUBY MA'AM
1:00PM	BIOLOGY - HUMAN BODY - CLASS 3	SHIVANGI MA'AM
4:00PM	MATHS - INEQUALITIES - CLASS 1	NAVJYOTI SIR
5:30PM	ENGLISH - PARTS OF SPEECH - CLASS 2	ANURADHA MA'AM

CDS 1 2025 LIVE CLASSES

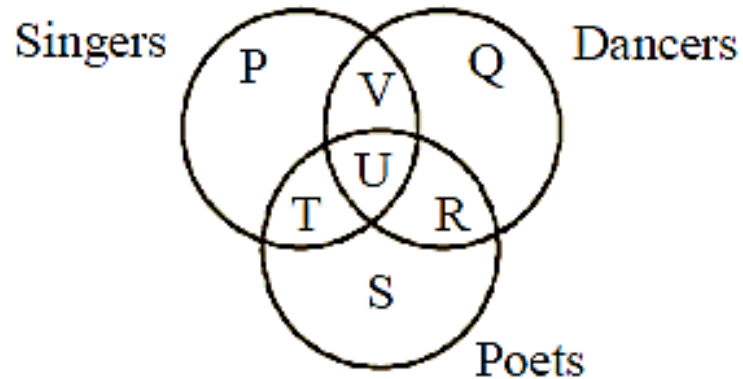
11:30AM	GK - CLIMATOLOGY	RUBY MA'AM
1:00PM	BIOLOGY - HUMAN BODY - CLASS 3	SHIVANGI MA'AM
2:30PM	MATHS - INEQUALITIES - CLASS 1	NAVJYOTI SIR
5:30PM	ENGLISH - PARTS OF SPEECH - CLASS 2	ANURADHA MA'AM

AFCAT 1 2025 LIVE CLASSES

10:00AM	REASONING - VENN DIAGRAMS	RUBY MA'AM
2:30PM	MATHS - PROFIT & LOSS - CLASS 1	NAVJYOTI SIR
4:00PM	STATIC GK - KNOW YOUR ARMED FORCES	DIVYANSHU SIR
5:30PM	ENGLISH - PARTS OF SPEECH - CLASS 2	ANURADHA MA'AM



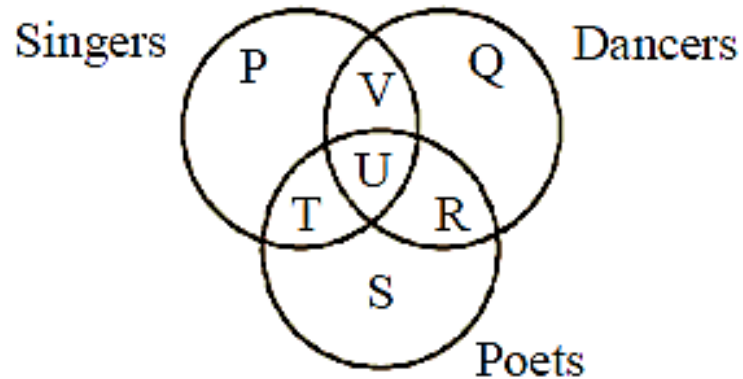
Diagram Represent Student Who Are Singers, Dancers And Poets



Study the diagram and identify the region which represent the students who are both poets and singers but not dancer. _____

- A. $P + T + S$
- B. T
- C. $T + V + R + S$
- D. $P + T + U + S$

Diagram Represent Student Who Are Singers, Dancers And Poets



Study the diagram and identify the region which represent the students who are both poets and singers but not dancer. _____

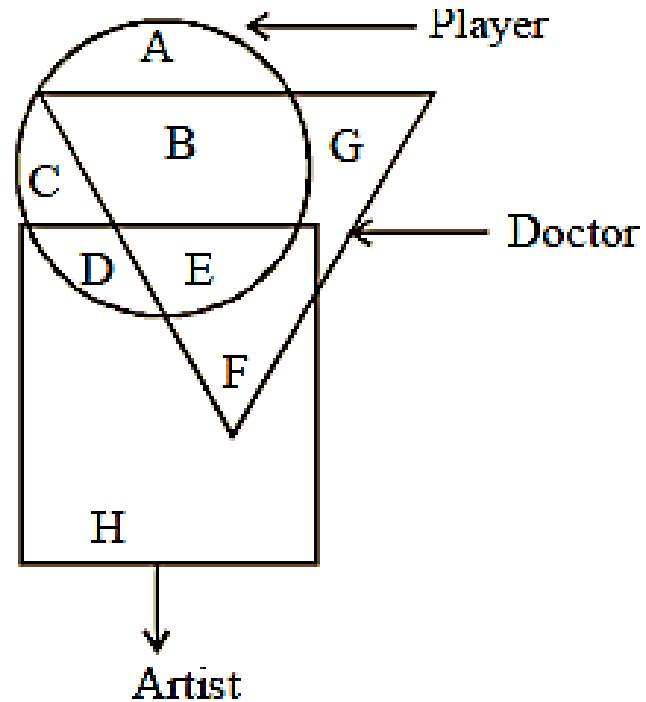
A. $P + T + S$

B. T

C. $T + V + R + S$

D. $P + T + U + S$

In The Following Venn Diagram Identify Better Which Denotes Players Who Are Also Doctors But Not Artist.



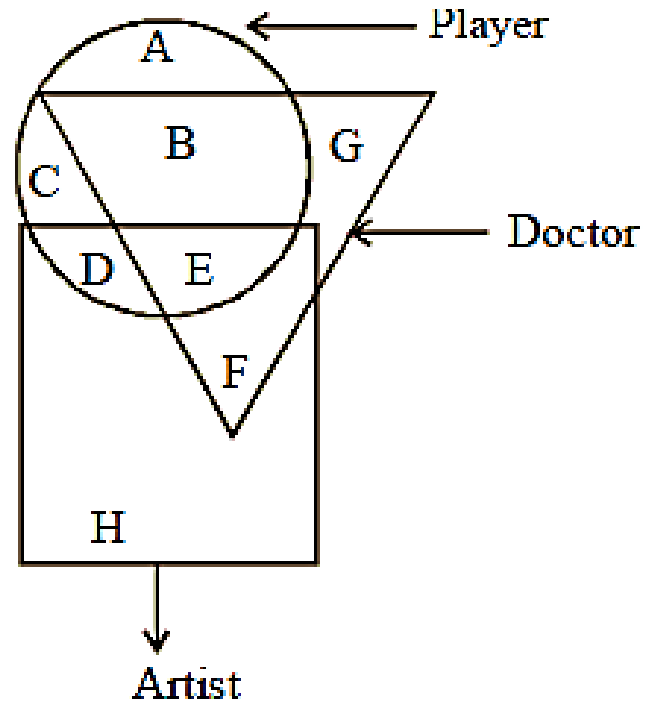
A. B + E

B. E

C. B

D. A

In The Following Venn Diagram Identify Better Which Denotes Players Who Are Also Doctors But Not Artist.



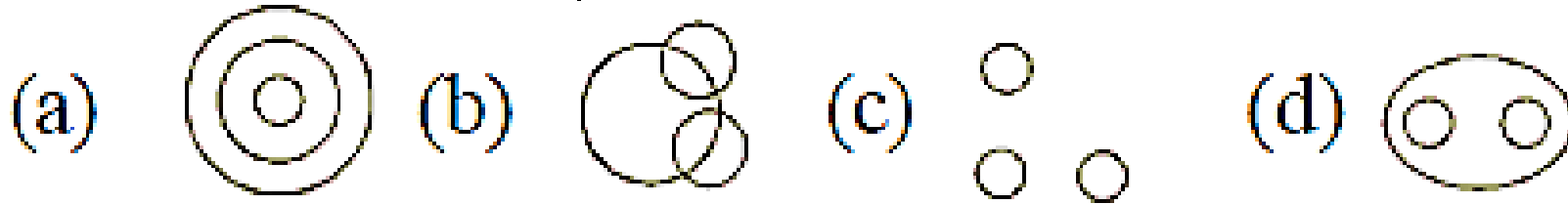
A. B + E

B. E

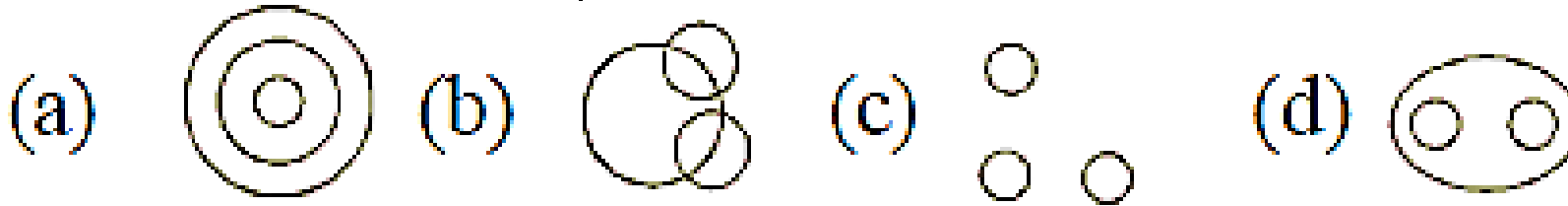
C. B

D. A

Which One Of The Following Venn Diagram Represent The Best Relationship Between Snake, Lizard, Reptiles?

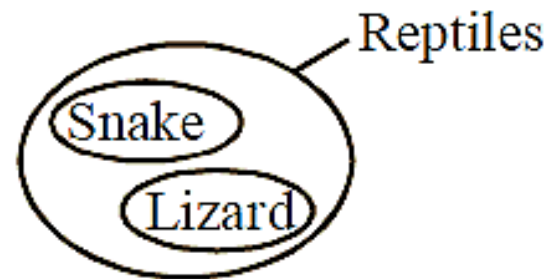


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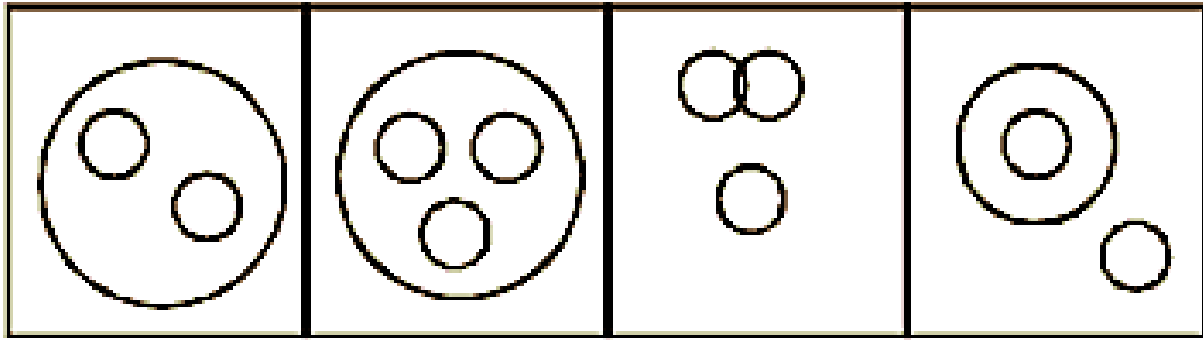


(d) Snake is different from Lizard but both are reptiles.

Answer D



Which Of Following Diagram Represents Relationship Among Sun, Moon And Stars



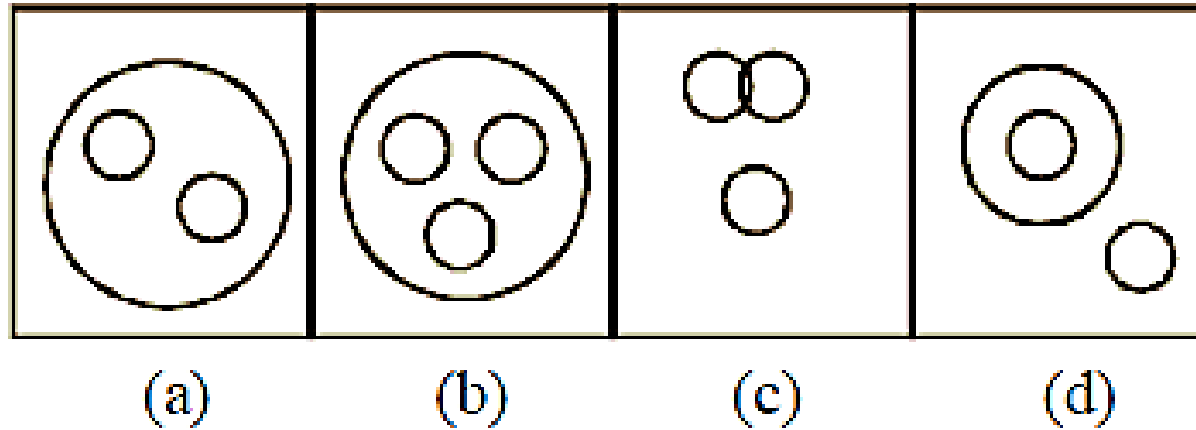
(a)

(b)

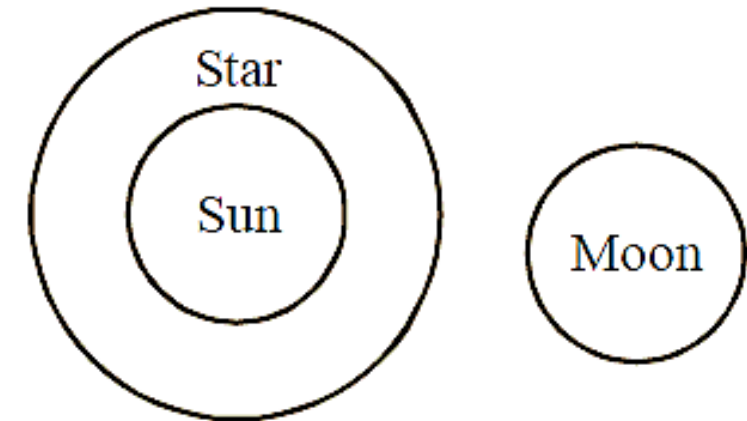
(c)

(d)

Which Of Following Diagram Represents Relationship Among Sun, Moon And Stars



Sun is stars. Moon is a satellite.



Answer D

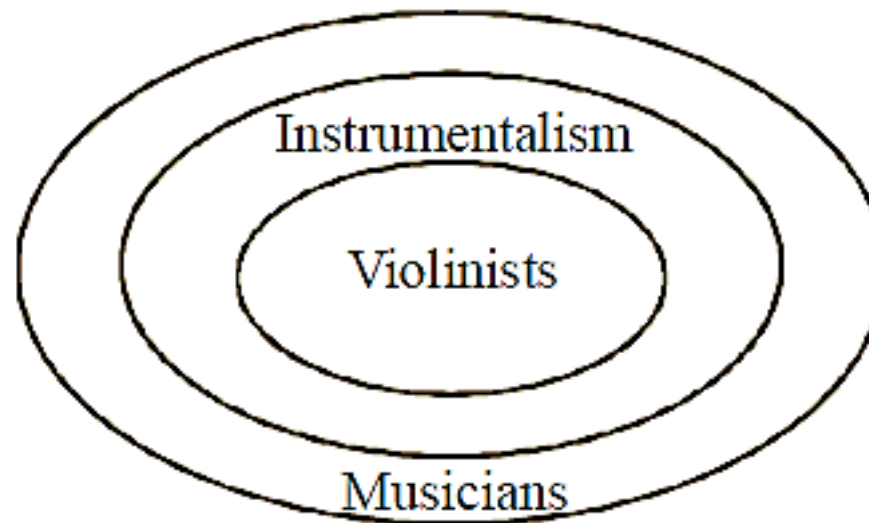
Which Of The Following Four Diagram Represent Correctly The Relationship Between Musician, Instrumentalists, Violinists



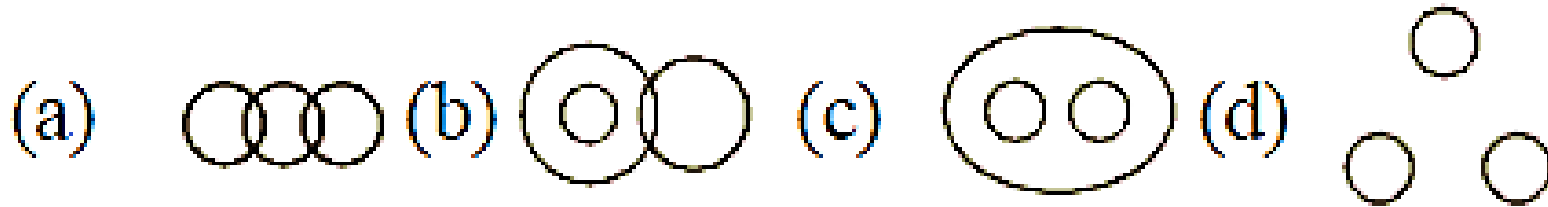
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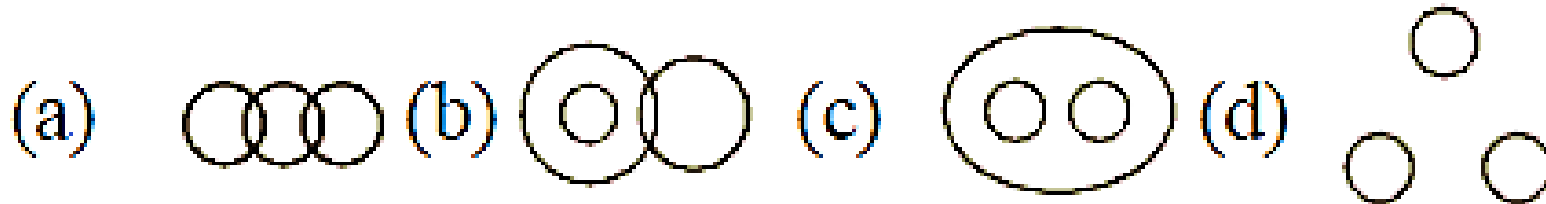
ANSWER - A



**Choose Diagram Which Represent Relationship Among Following
:- Capsules, Antibiotics, Injection**

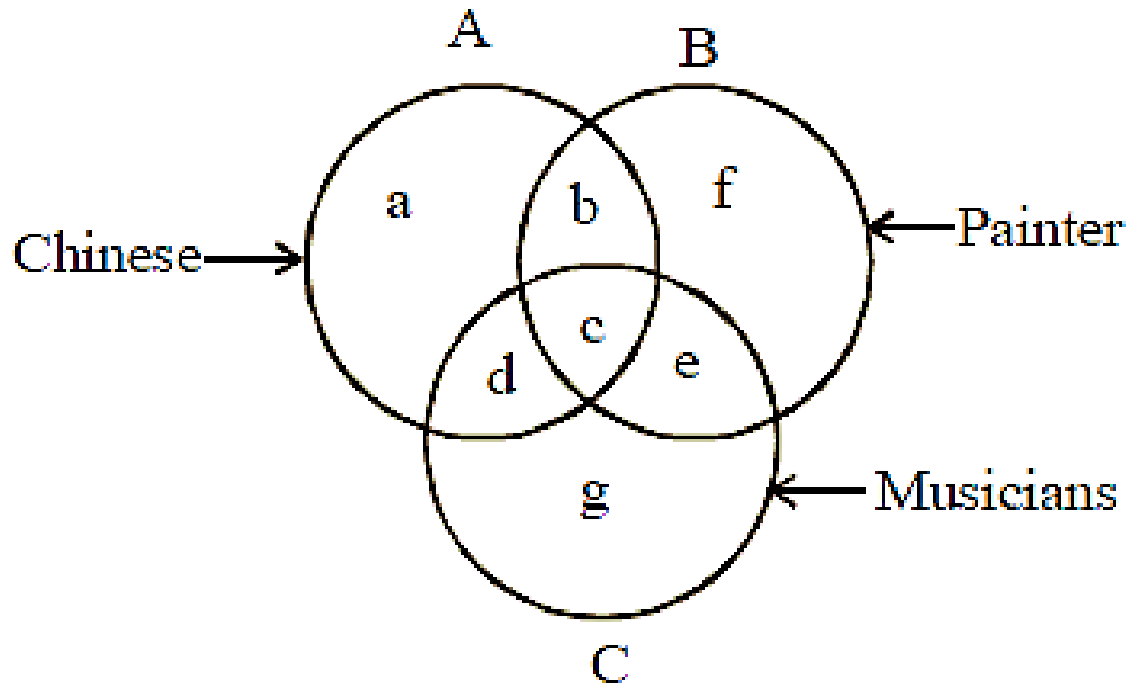


**Choose Diagram Which Represent Relationship Among Following
:- Capsules, Antibiotics, Injection**



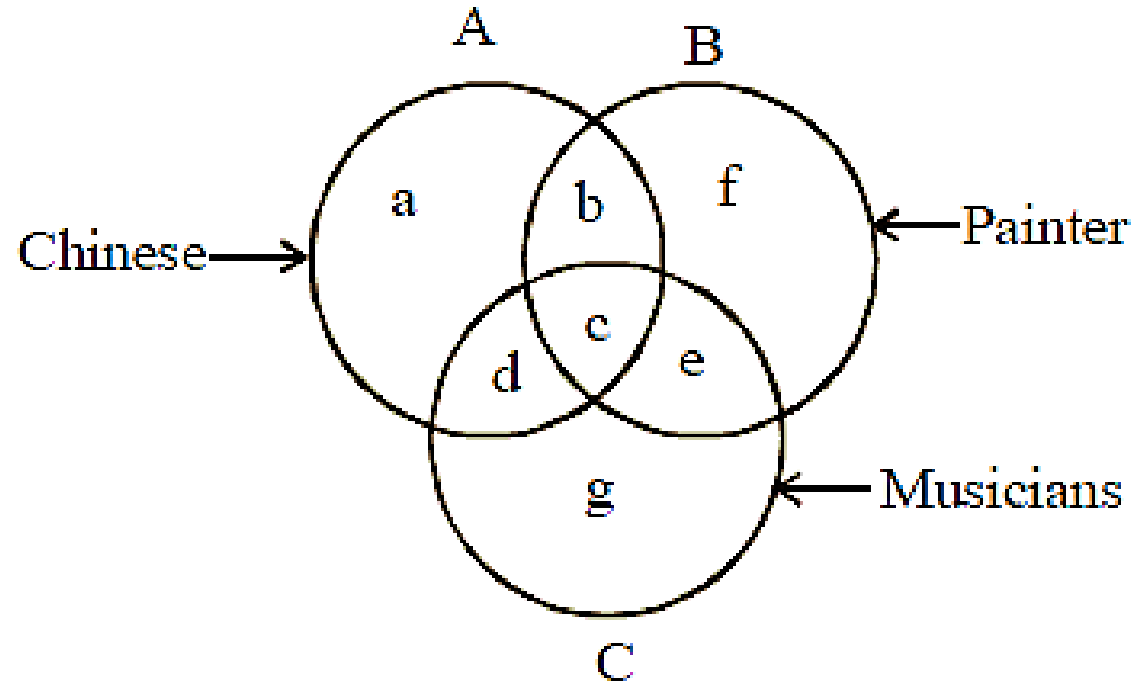
ANSWER - C

In The Figure Below There Are Three Intersecting Circles Each Represents Certain Section Of People Different Region Are Marked A.G. Read The Statement In Each Of The Following Questions And Choose The Letter Of The Region Which Correctly Represent The Statements.



Chinese Who Are Painters But Not Musicians

- A. b
- B. c
- C. d
- D. g



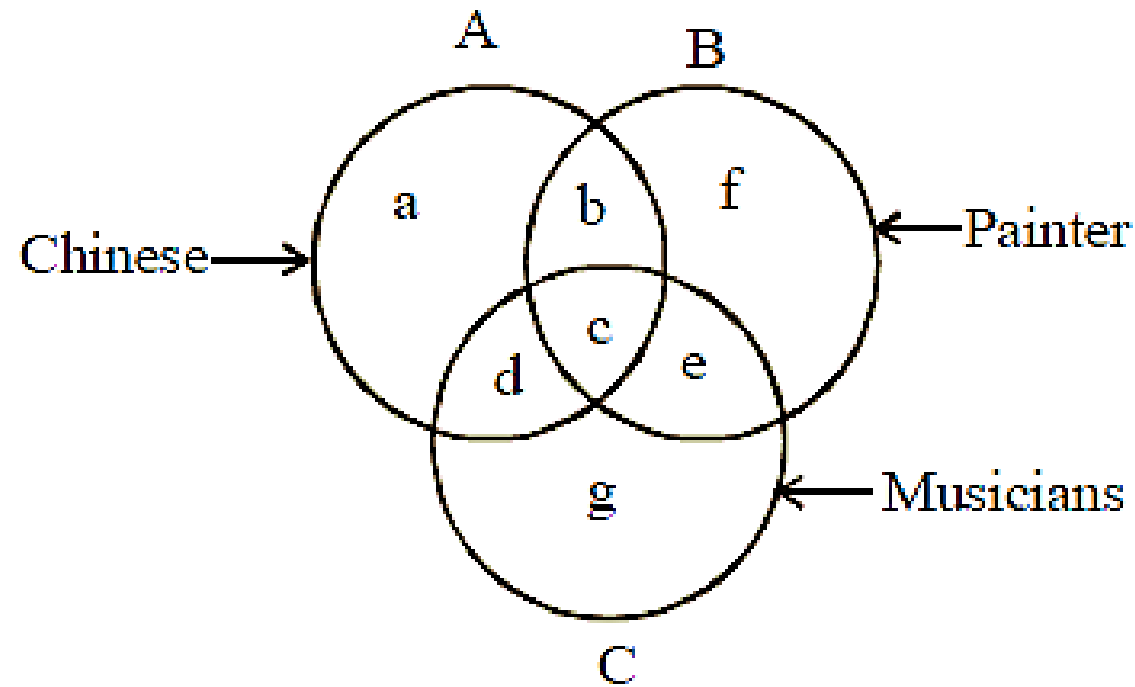
Chinese Who Are Painters But Not Musicians

A. b

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C. d

D. g



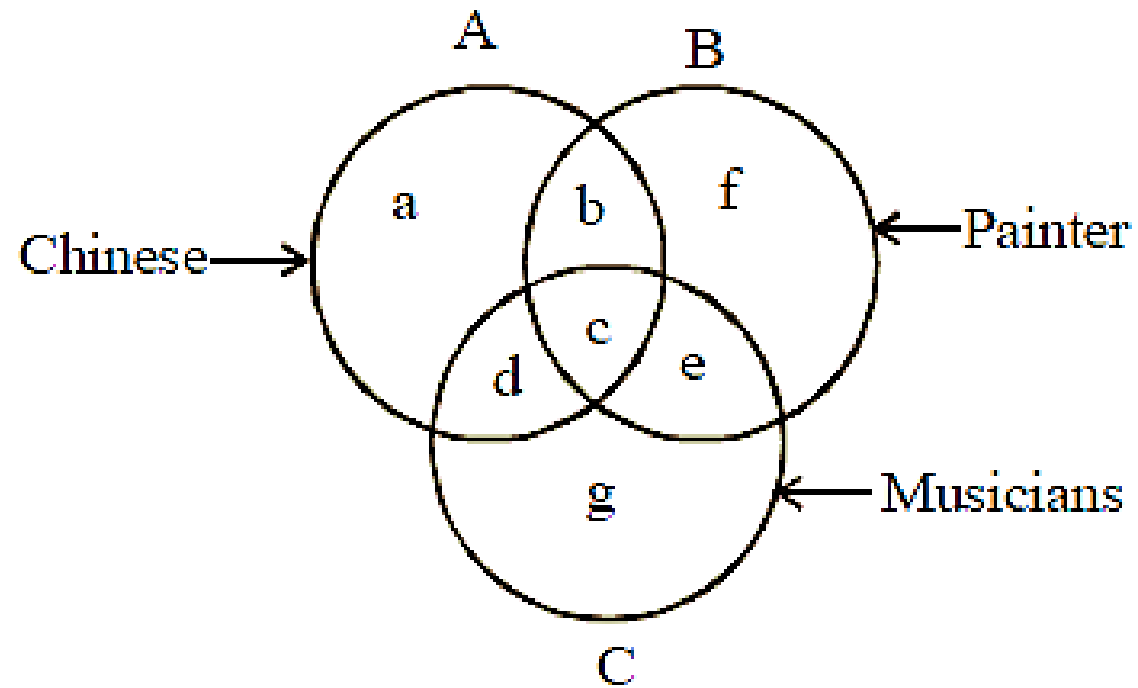
Painter Who Are Neither Chinese Nor Musician

A. b

B. c

C. f

D. g



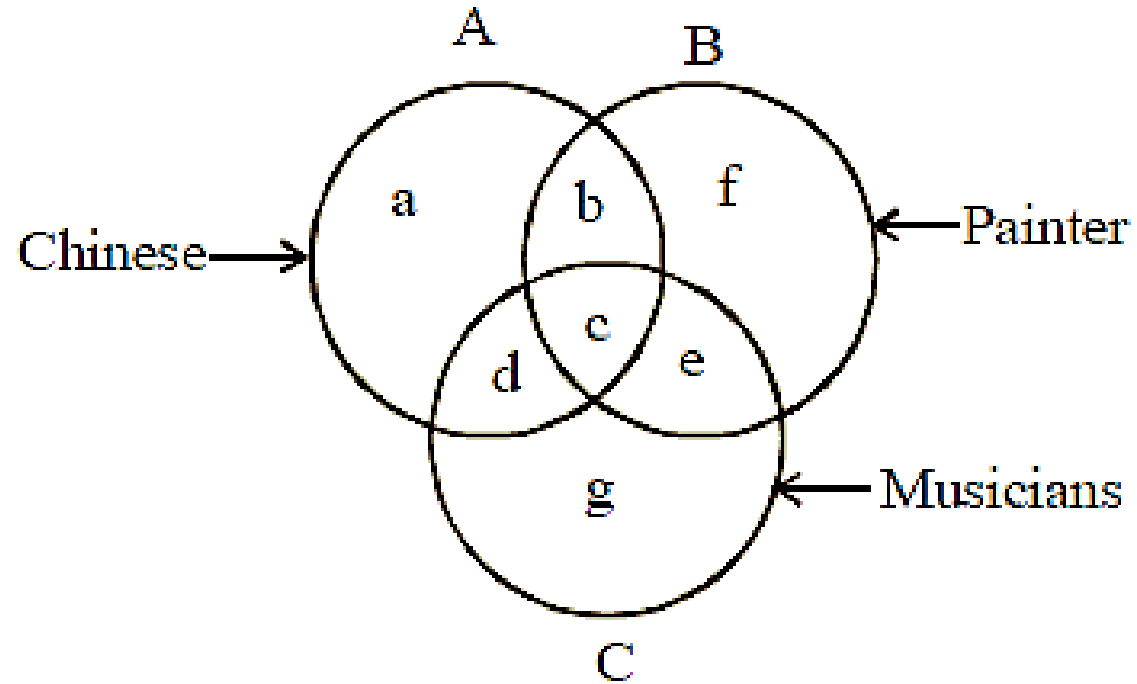
Painter Who Are Neither Chinese Nor Musician

A. b

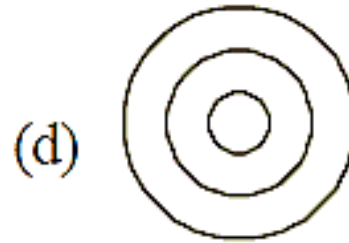
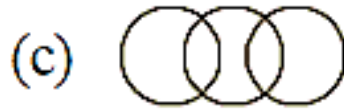
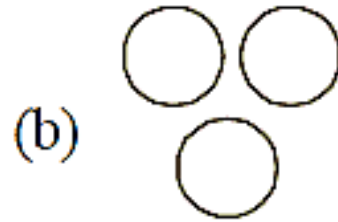
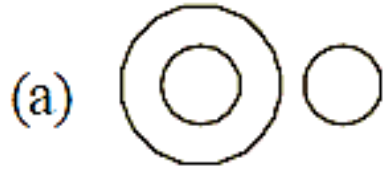
B. c

C. f

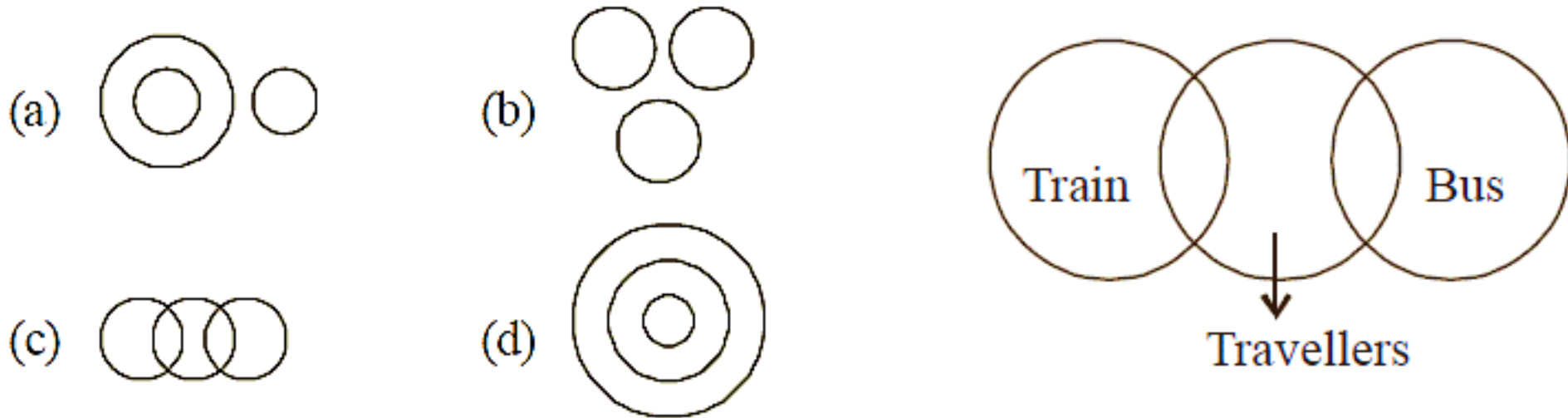
D. g



Which Of Following Diagram Indicates Best Relation Between Travellers, Train And Bus

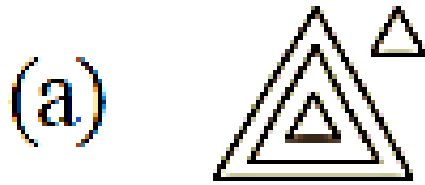


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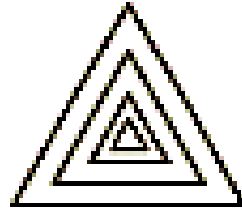


ANSWER – C

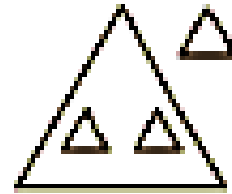
Identify Diagram That Best Represents Relationship Among Given Classes. Earth, Saturn, Planet, Star



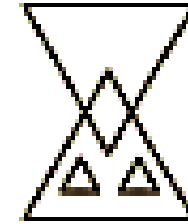
(b)



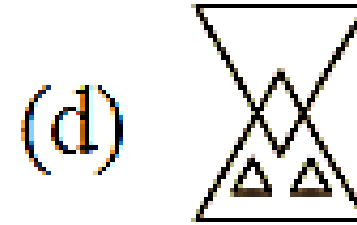
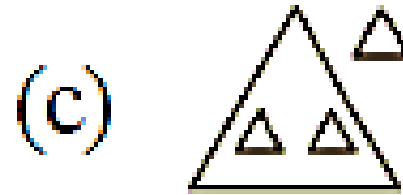
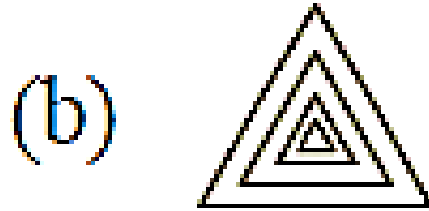
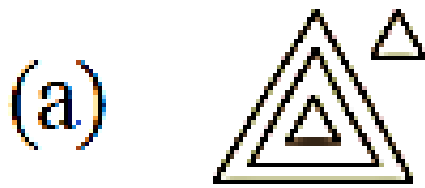
(c)



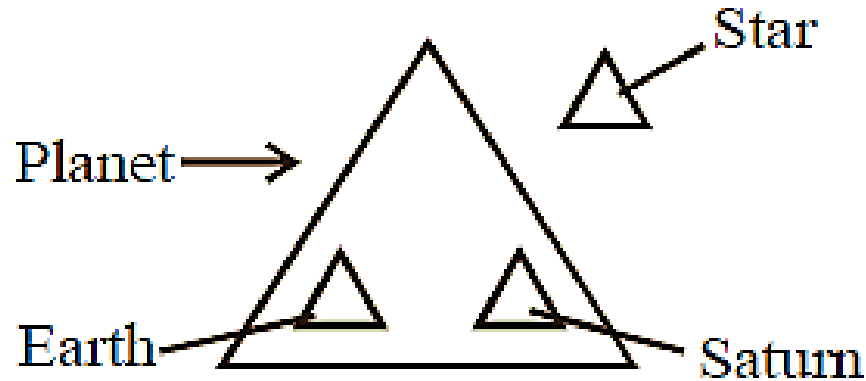
(d)



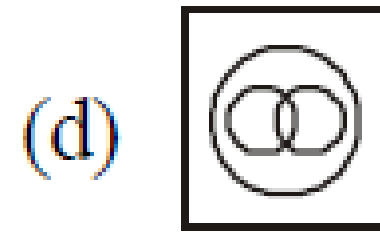
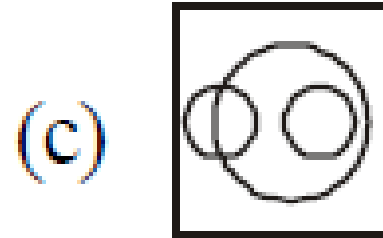
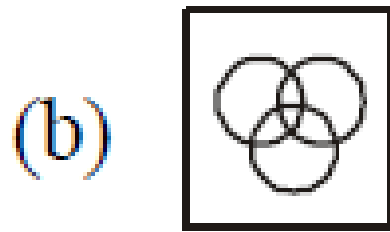
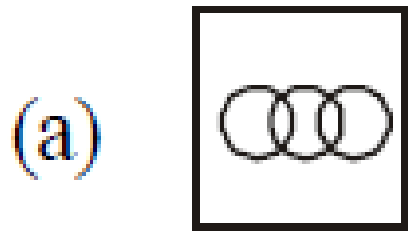
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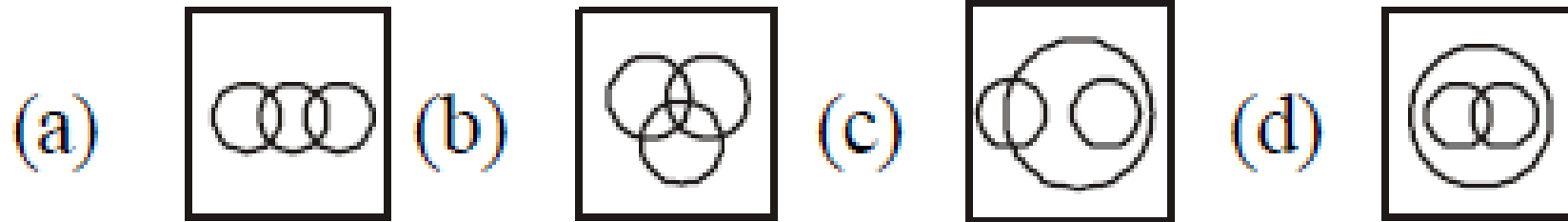
ANSWER - C



Identify The Diagram That Best Represents Relationship Among Classes Given Below : Athletes, Sprinters, Marathon Runner



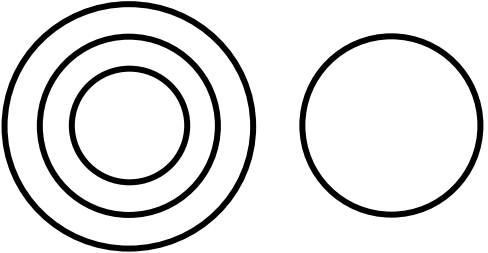
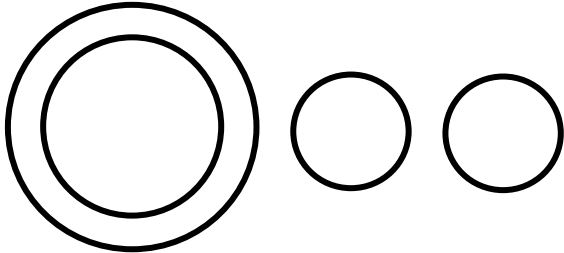
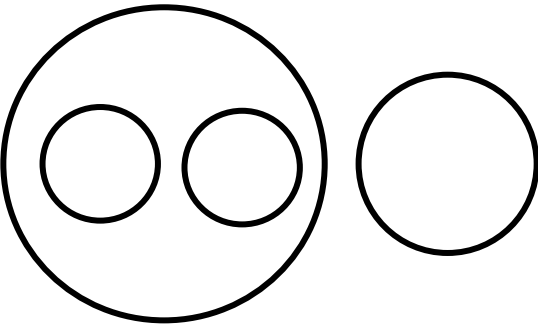
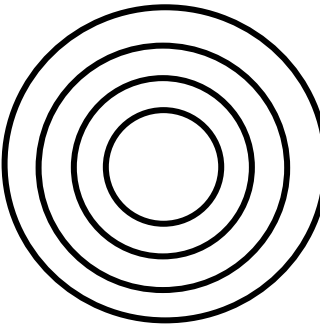
Identify The Diagram That Best Represents Relationship Among Classes Given Below : Athletes, Sprinters, Marathon Runner



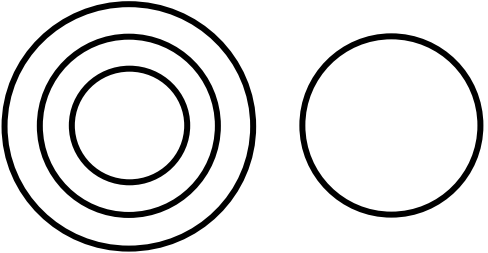
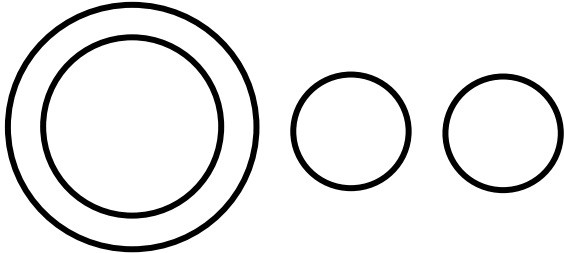
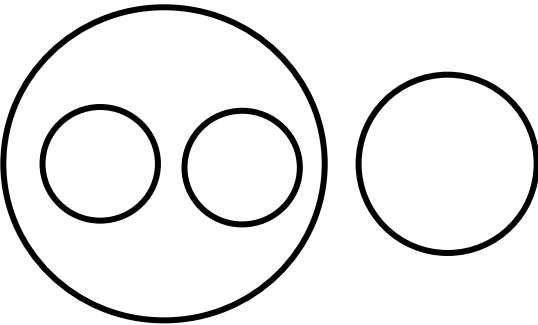
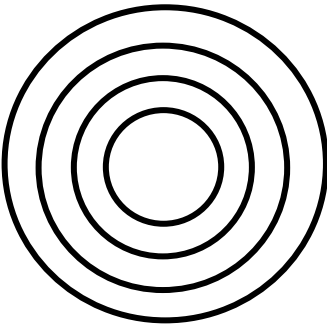
ANSWER - D

Sprinters And Marathon Runner Both Are Athletes.
Some Sprinters Can Be Marathon Runners Also.

Q. Milk, goat, cow, hen

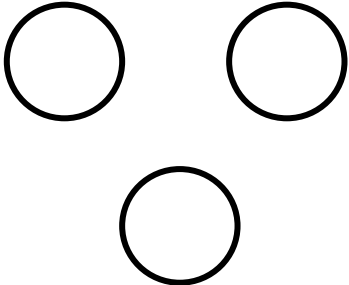
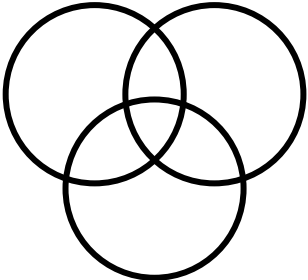
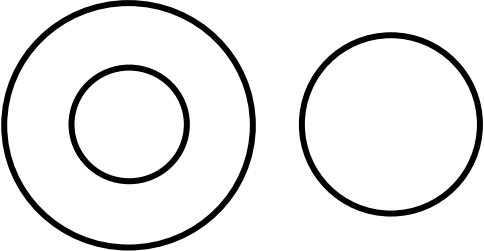
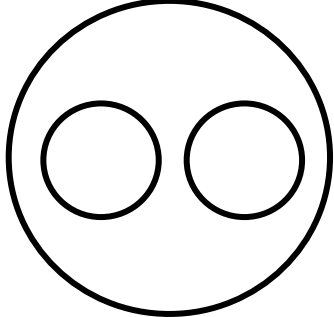
A.		B.	
C.		D.	

Q. Milk, goat, cow, hen

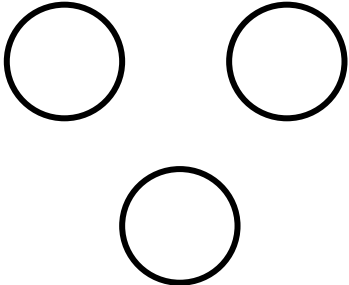
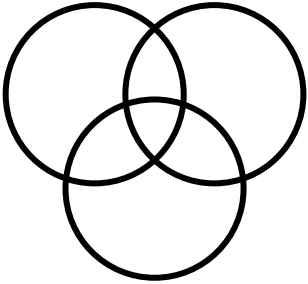
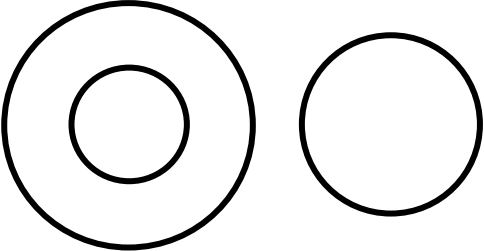
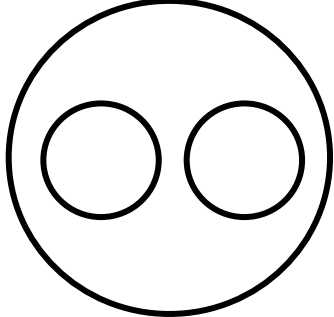
A.		B.	
C.		D.	

Ans: (c)

Q. Tree, Plant, House

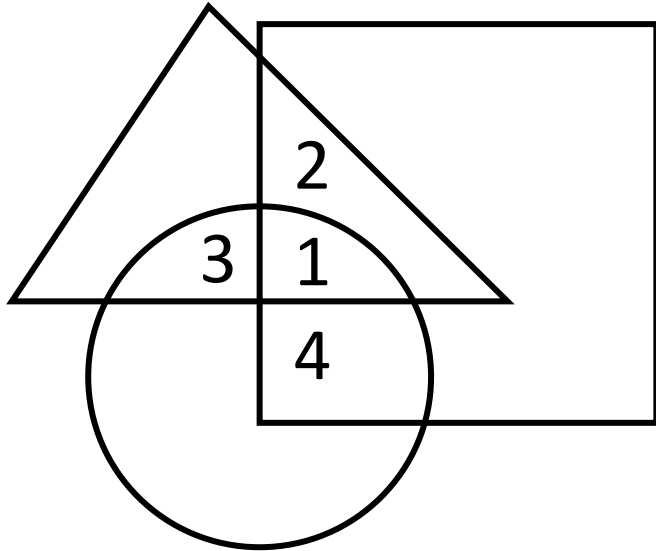
A.		B.	
C.		D.	

Q. Tree, Plant, House

A.		B.	
C.		D.	

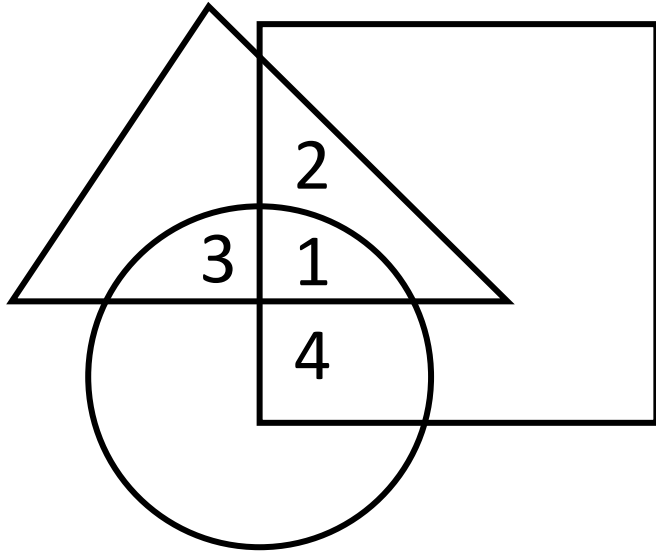
Ans: (c)

Q. In the given diagram, Circle represents strong men, Square represents short men and Triangle represents military officers. Which region represents military officers who are short but not strong?



A.	2	B.	3
C.	4	D.	1

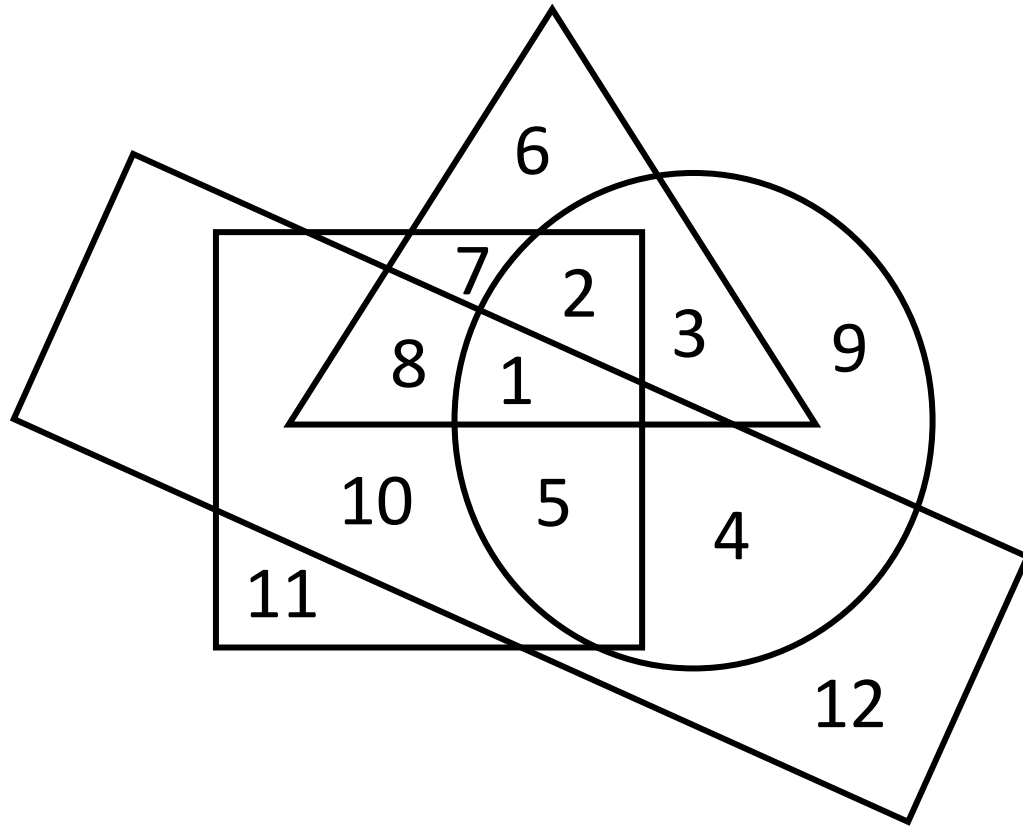
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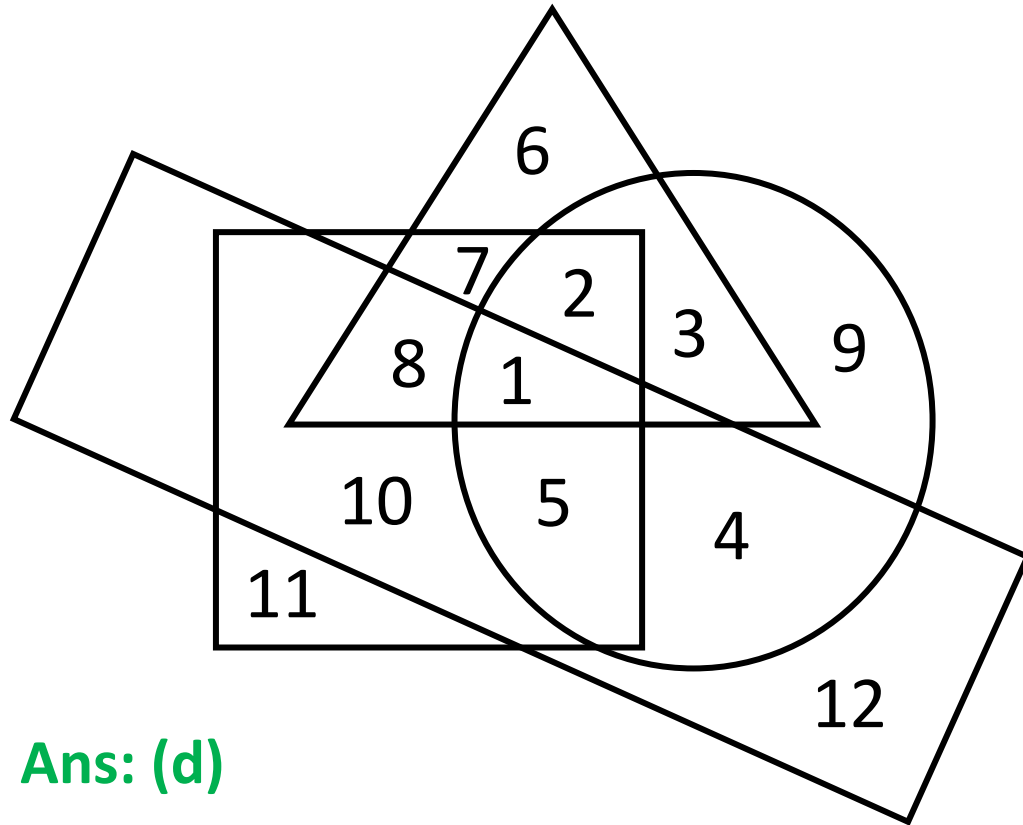
Ans: (a)

Q. In the figure given below, the circle stands for employed, the square stands for social worker, the triangle stands for illiterate, and the rectangle stands for truthful. Employed, truthful and illiterate social workers are indicated by which region?



A.	5	B.	4
C.	2	D.	1

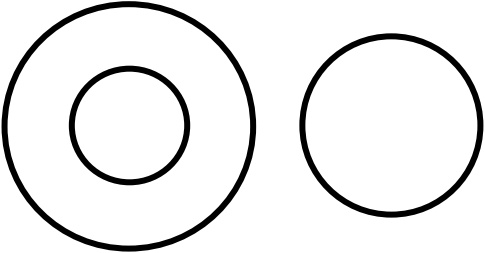
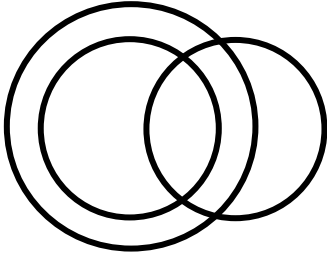
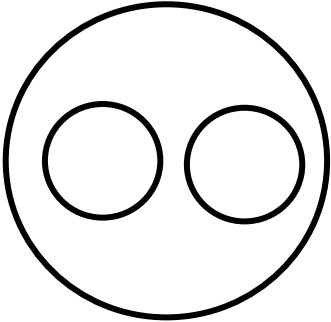
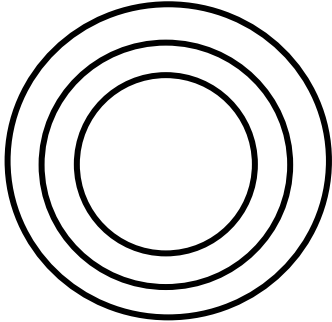
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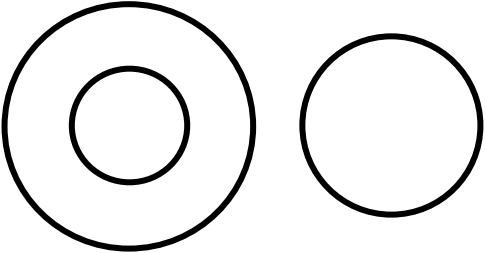
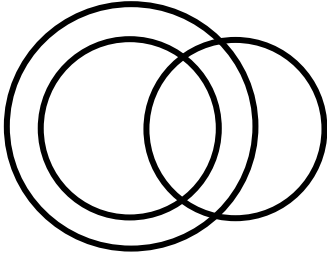
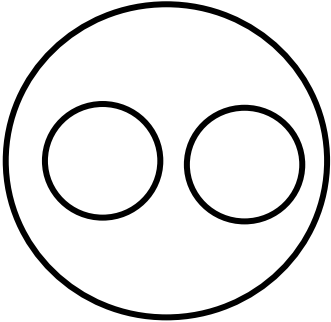
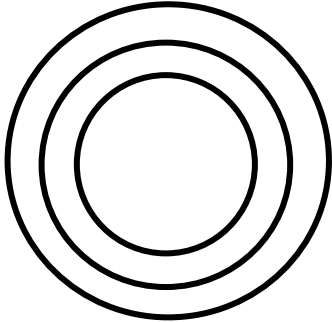
A.	5	B.	4
C.	2	D.	1

Ans: (d)

Q. Earth, Sea, Sun

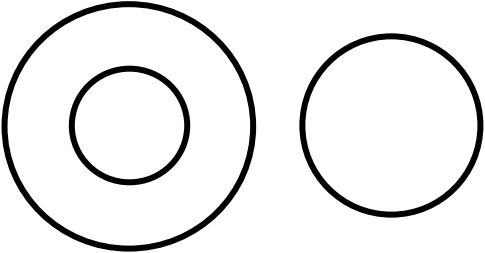
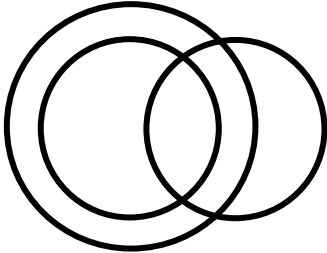
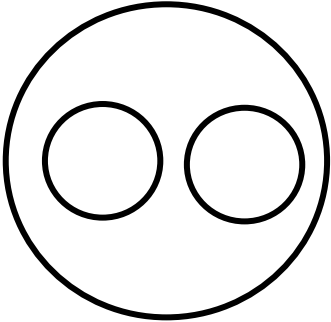
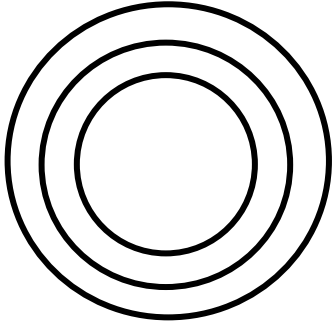
A.		B.	
C.		D.	

Q. Earth, Sea, Sun

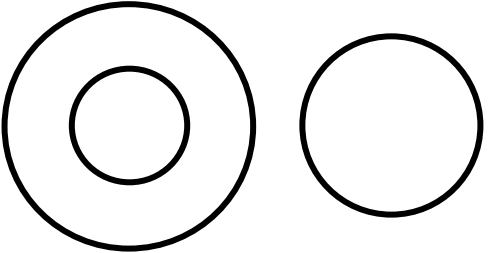
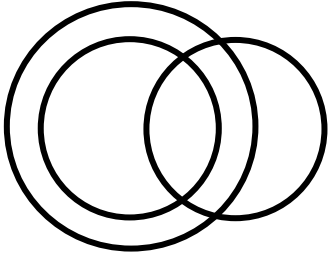
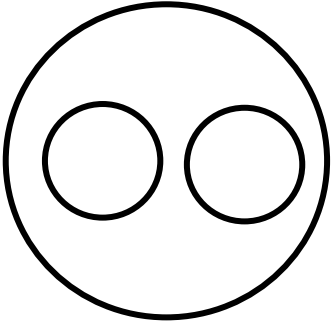
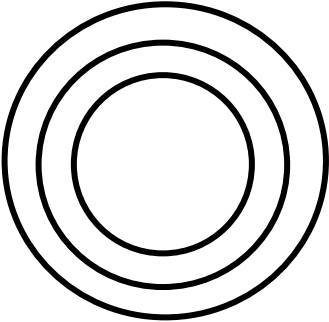
A.		B.	
C.		D.	

Ans: (a)

Q. Delhi, Lucknow, Uttar Pradesh

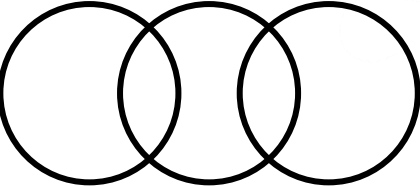
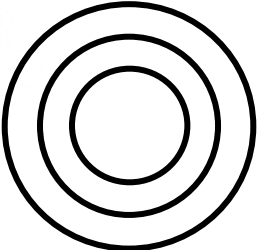
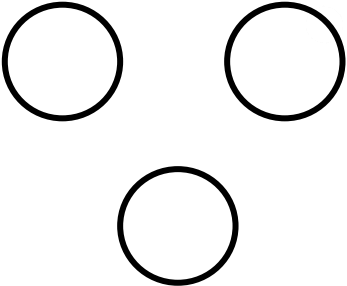
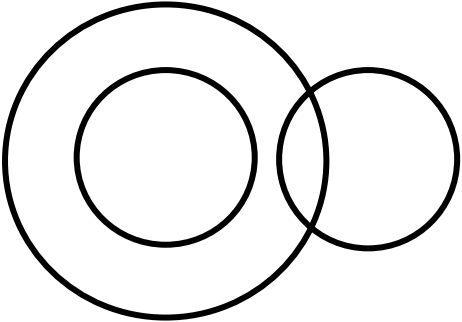
A.		B.	
C.		D.	

Q. Delhi, Lucknow, Uttar Pradesh

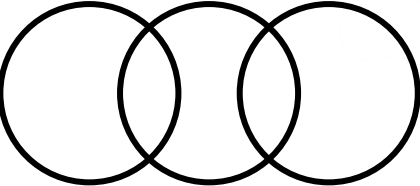
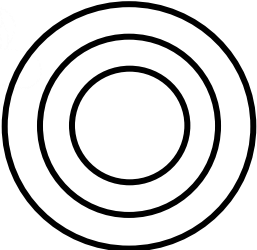
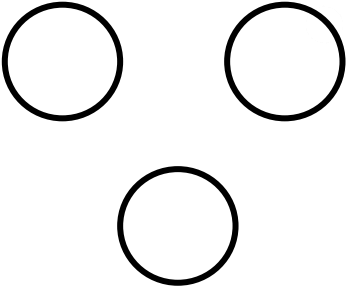
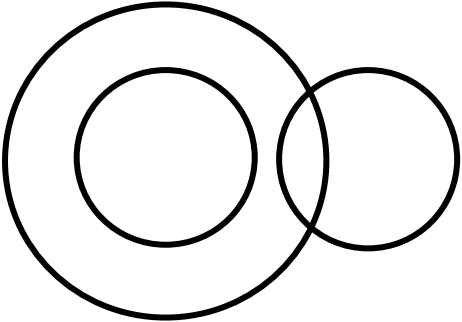
A.		B.	
C.		D.	

Ans: (a)

Q. Sharks, Whales, Turtles

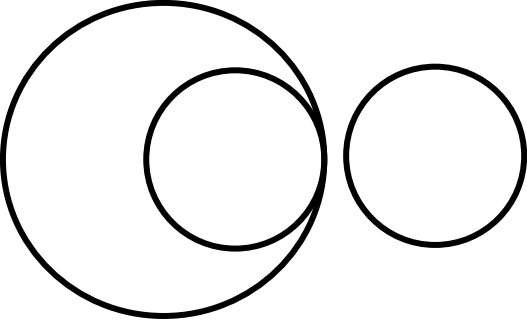
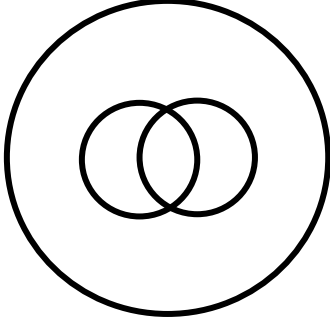
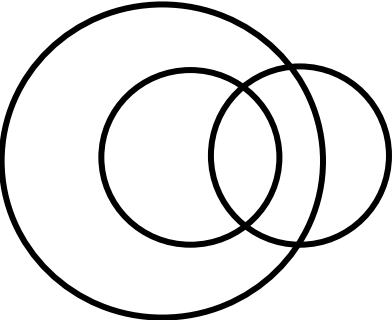
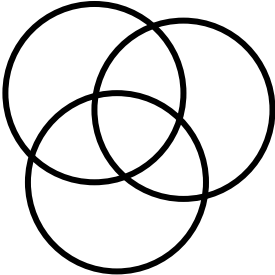
A.		B.	
C.		D.	

Q. Sharks, Whales, Turtles

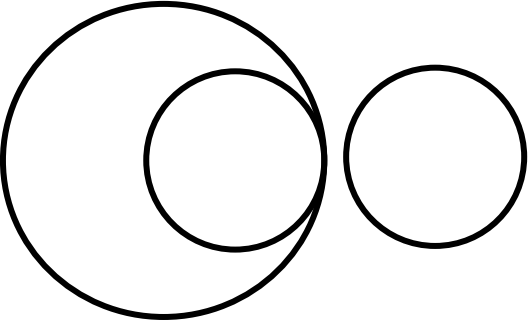
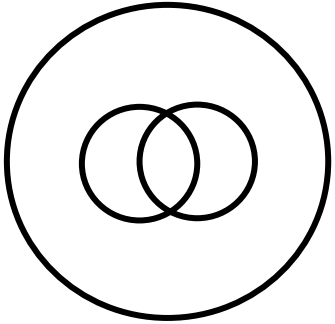
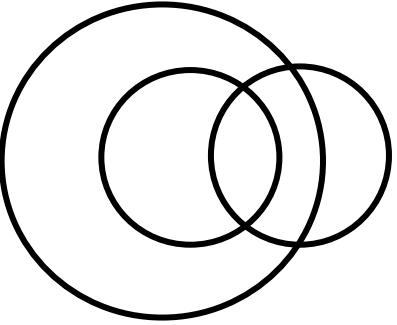
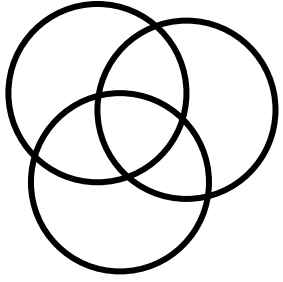
A.		B.	
C.		D.	

Ans: (c)

Q. Blue Eyes, Females, Doctors

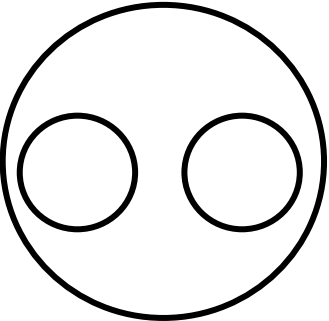
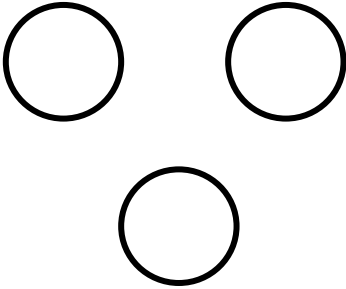
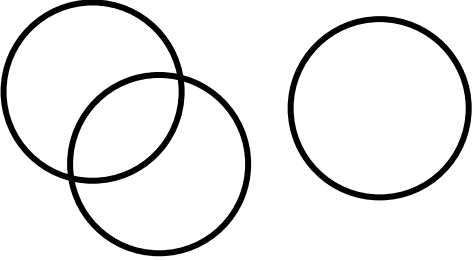
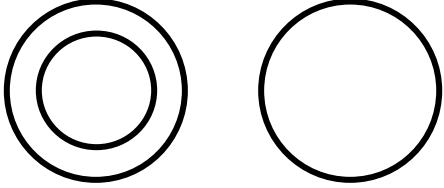
A.		B.	
C.		D.	

Q. Blue Eyes, Females, Doctors

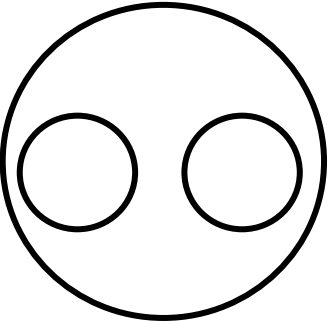
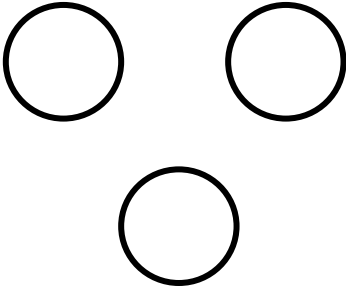
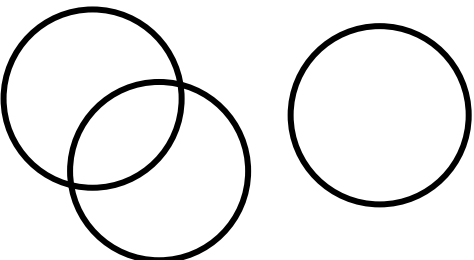
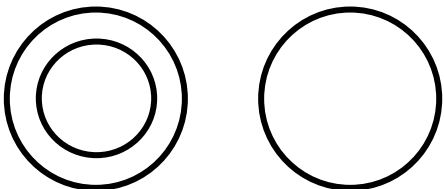
A.		B.	
C.		D.	

Ans: (d)

Q. Sun, Moon and Star

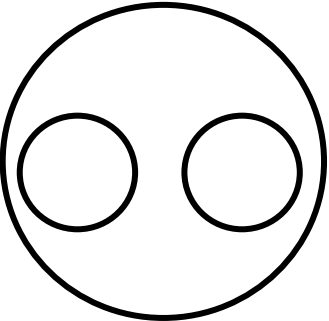
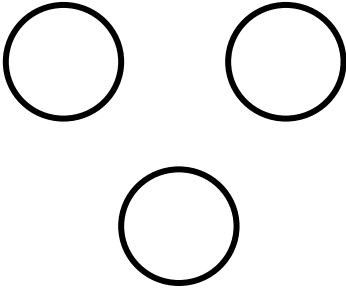
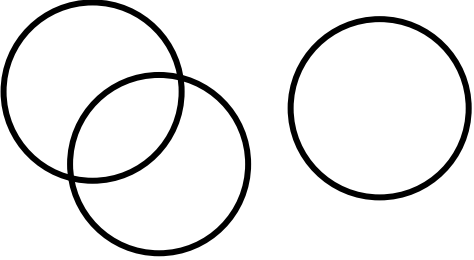
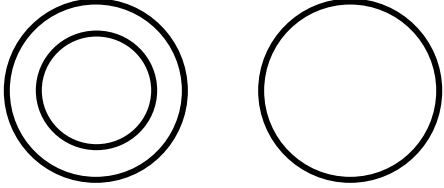
A.		B.	
C.		D.	

Q. Sun, Moon and Star

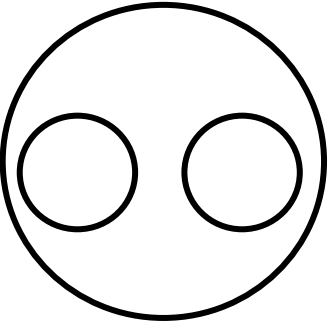
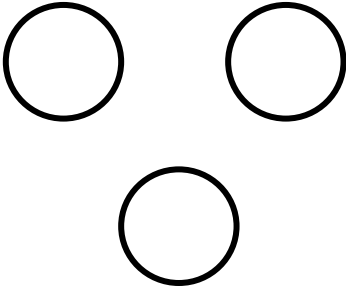
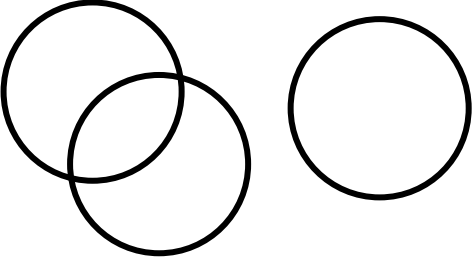
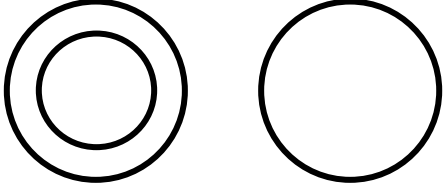
A.		B.	
C.		D.	

Ans: (d)

Q. Judge, Thief, Criminal

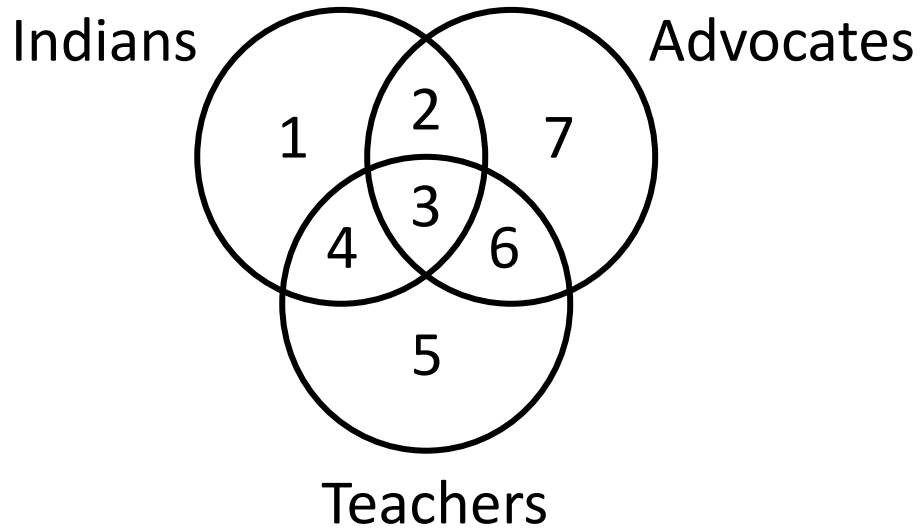
A.		B.	
C.		D.	

Q. Judge, Thief, Criminal

A.		B.	
C.		D.	

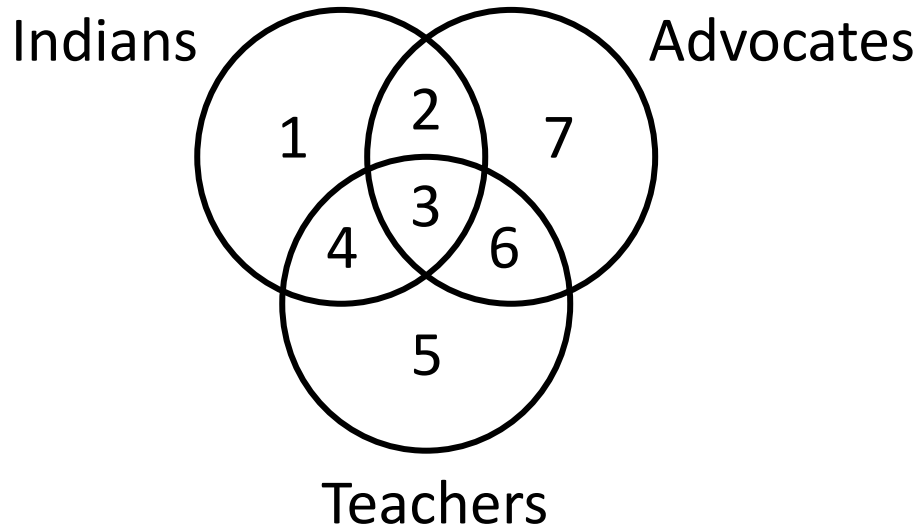
Ans: (d)

Q. Which number space indicated Indian teachers who are also advocates?



A.	2	B.	3
C.	4	D.	6

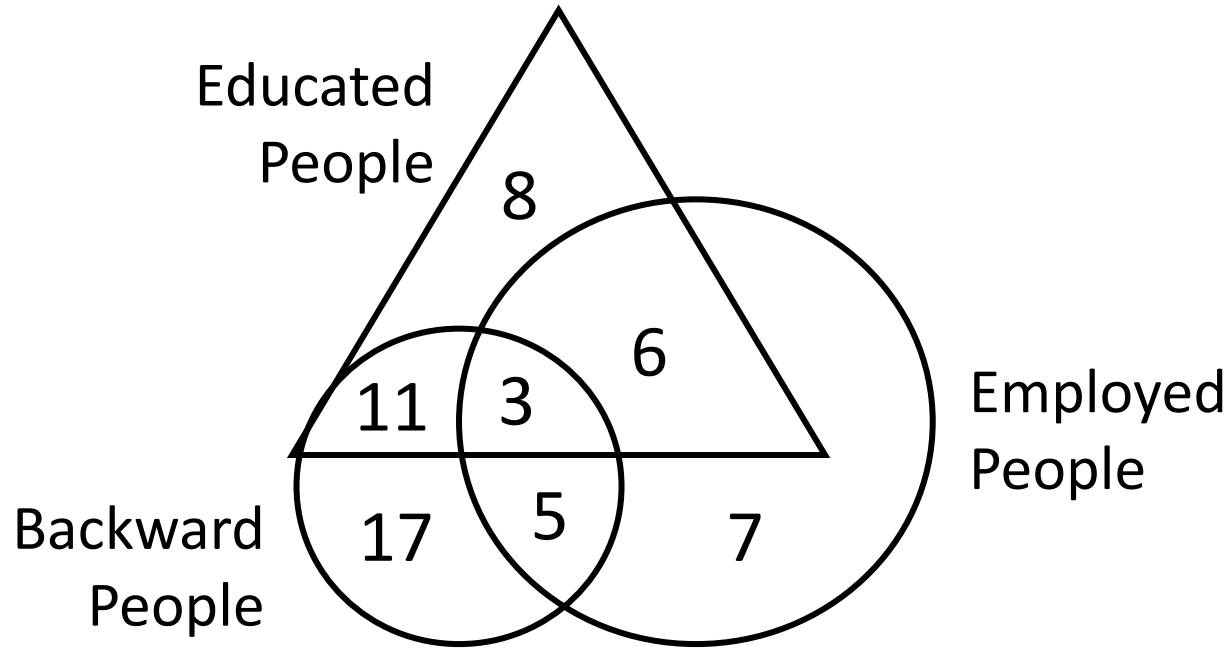
Q. Which number space indicated Indian teachers who are also advocates?



A.	2	B.	3
C.	4	D.	6

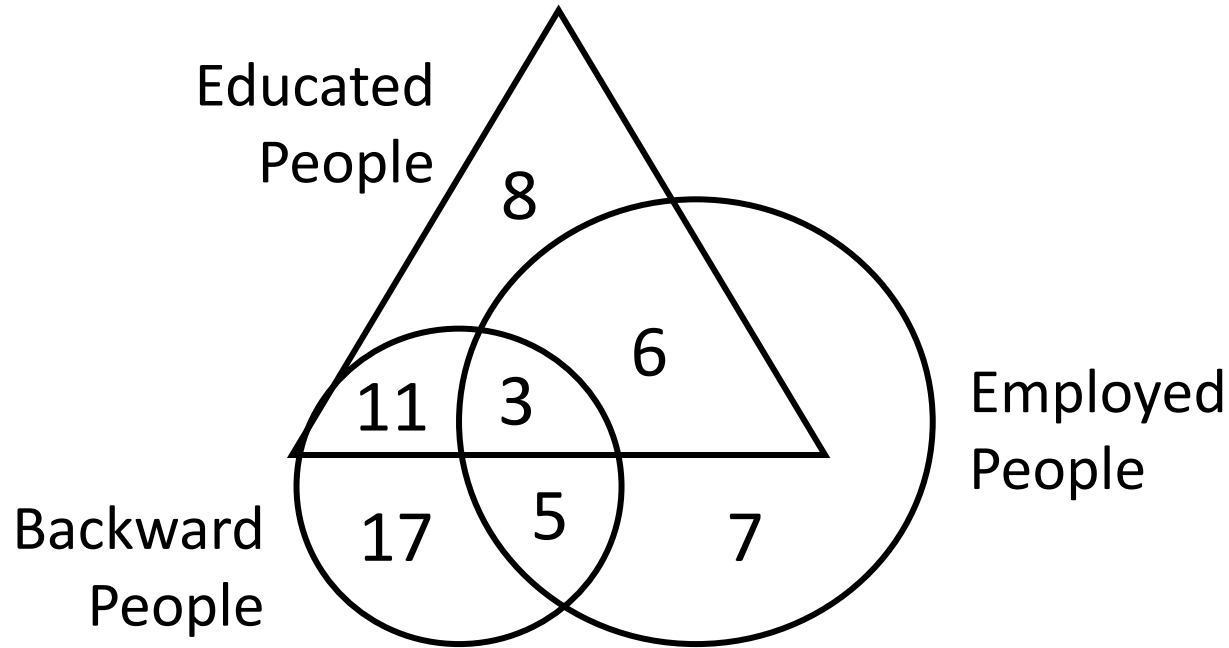
Ans: (b)

Q. In the following figure, how many educated people are employed?



A.	18	B.	20
C.	6	D.	9

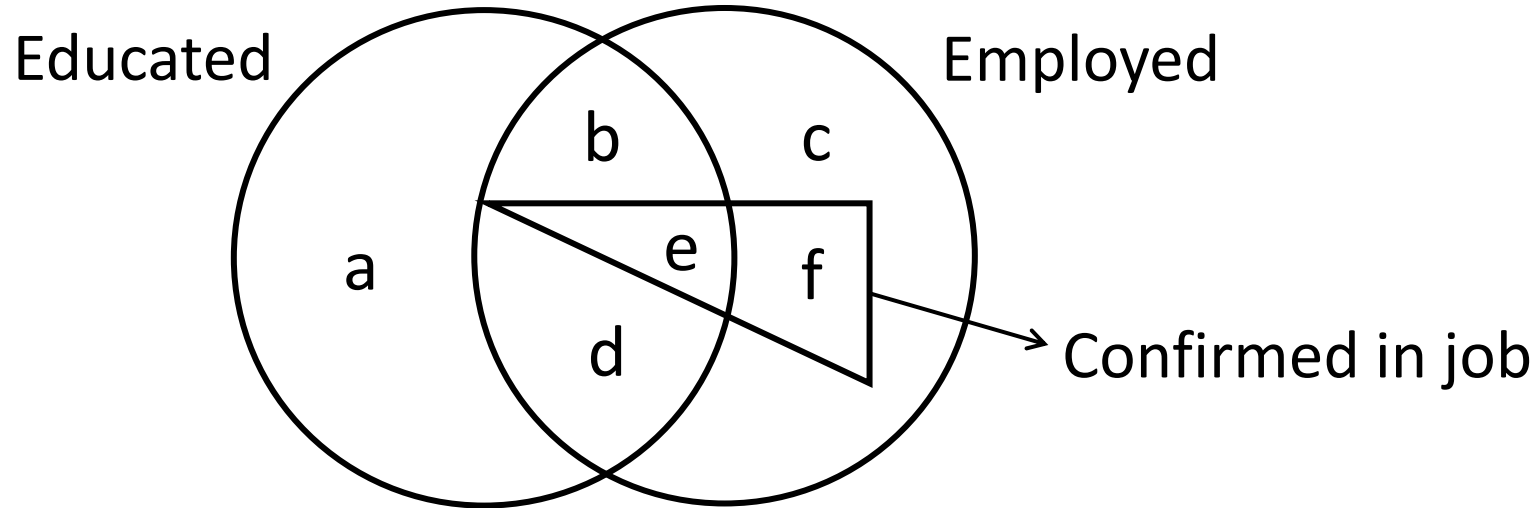
Q. In the following figure, how many educated people are employed?



A.	18	B.	20
C.	6	D.	9

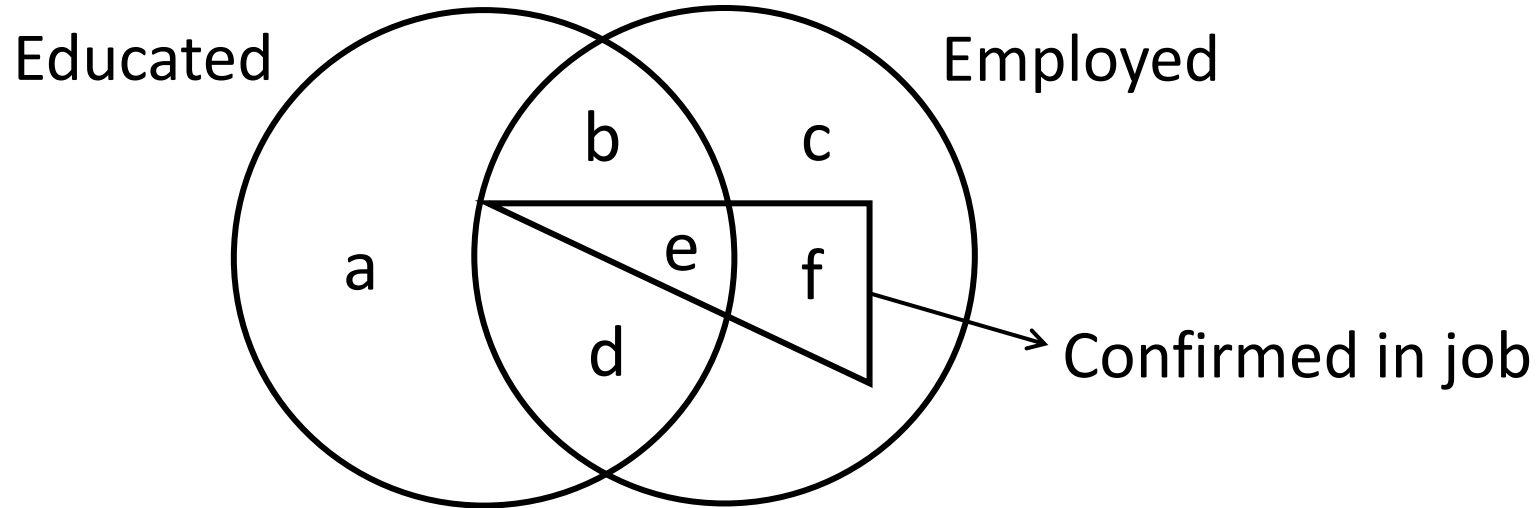
Ans: (d)

Q. Read the figure and find the region representing persons who are educated and employed but not confirmed.



A.	abc	B.	bd
C.	adc	D.	ac

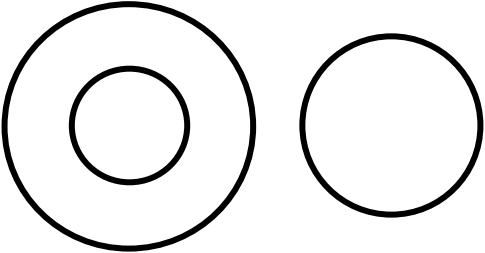
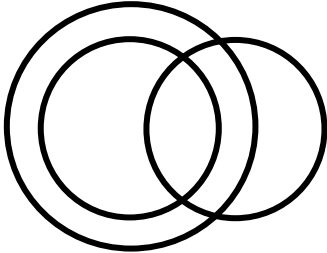
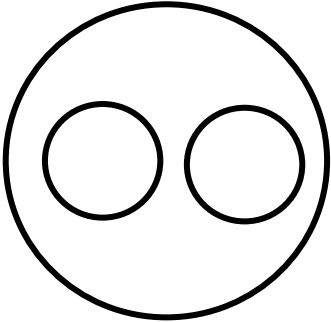
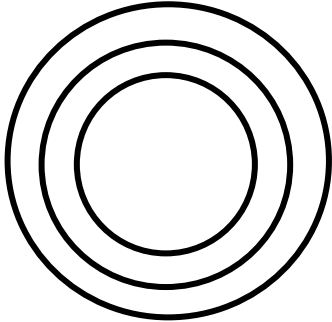
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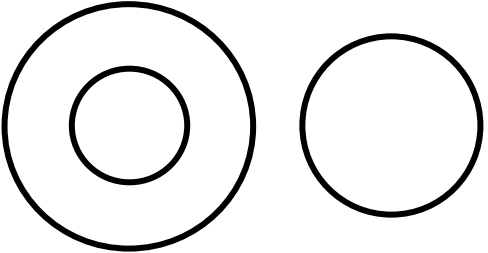
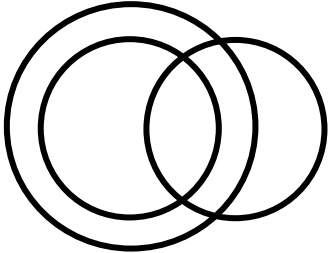
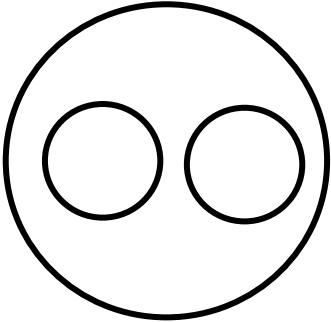
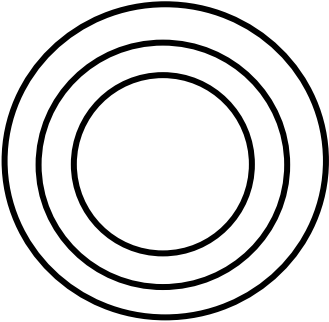
A.	abc	B.	bd
C.	adc	D.	ac

Ans: (b)

Q. Pens, pencils, stationery

A.		B.	
C.		D.	

Q. Pens, pencils, stationery

A.		B.	
C.		D.	

Ans: (c)

Q) Which of the following diagrams indicates the best relation between India, Haryana and World ?

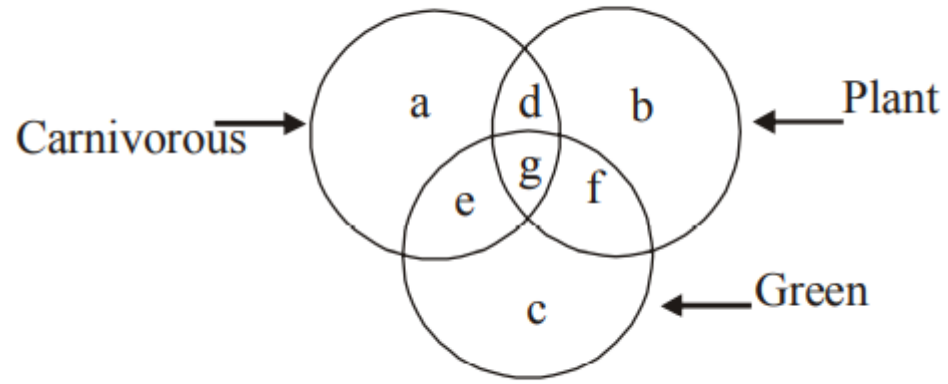


Q) Which of the following diagrams indicates the best relation between India, Haryana and World ?



Ans: (d)

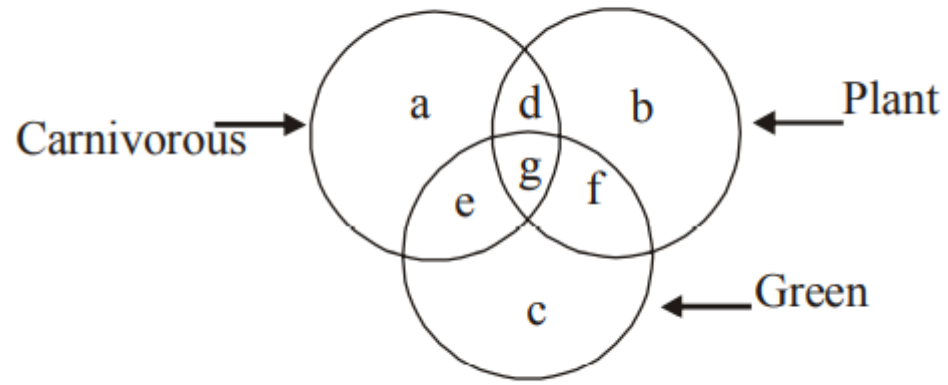
Q) In the given figure, which letter represents carnivorous plants which are not green?



- (a) d
(c) e

- (b) g
(d) f

Q) In the given figure, which letter represents carnivorous plants which are not green?

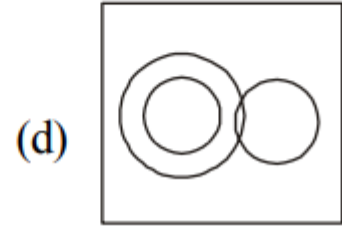
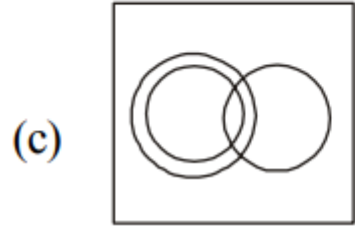
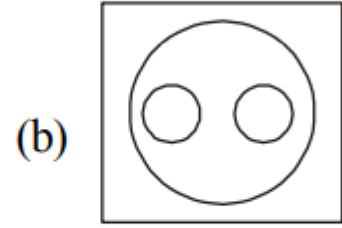
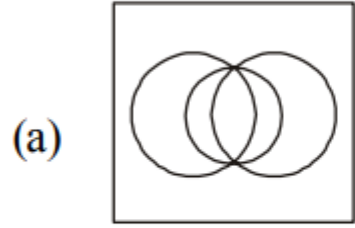


- (a) d
(c) e

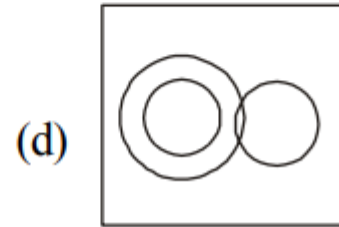
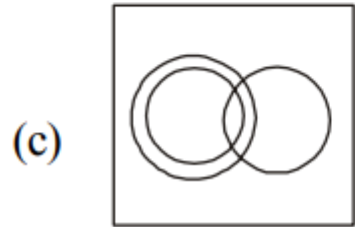
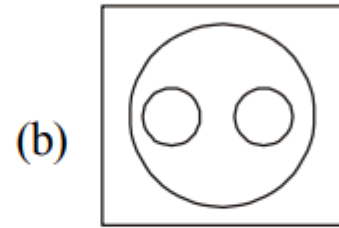
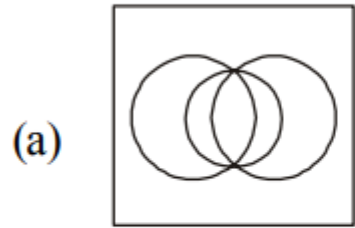
- (b) g
(d) f

Ans: (a)

Q) Identify the diagram that best represents the relationship among the given classes. Music Instrument, Piano, Guiter

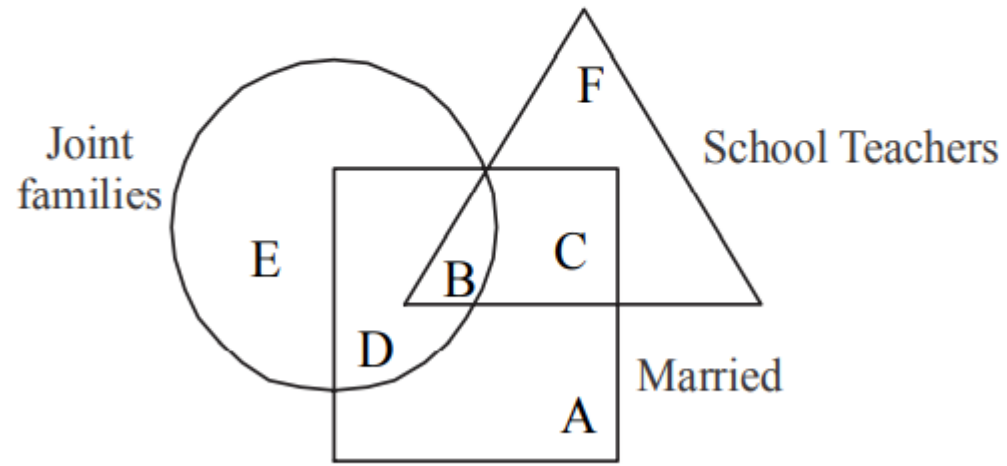


Q) Identify the diagram that best represents the relationship among the given classes. Music Instrument, Piano, Guiter



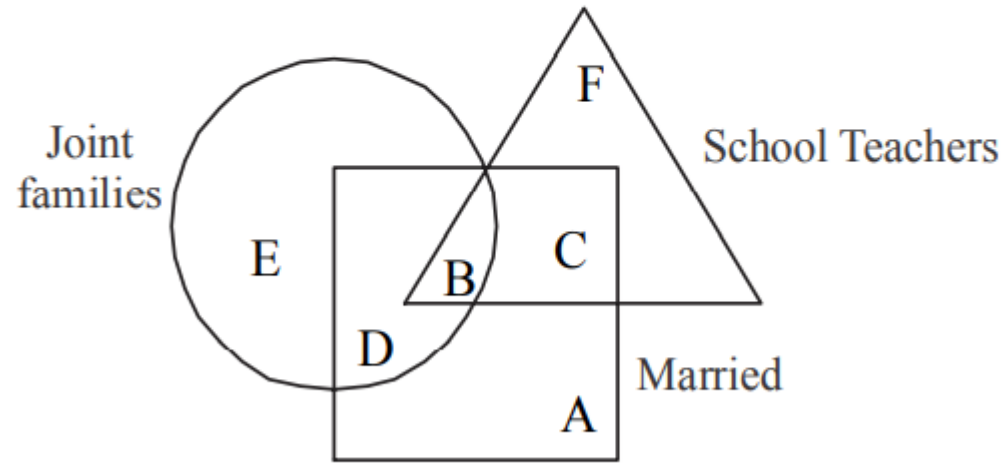
Ans: (b)

Q) Triangle represents school teachers. Square represents married persons. Circles represents persons living in joint families. Married persons living in Joint families but not working as school teachers are represented by



- (a) D (b) F (c) A (d) C

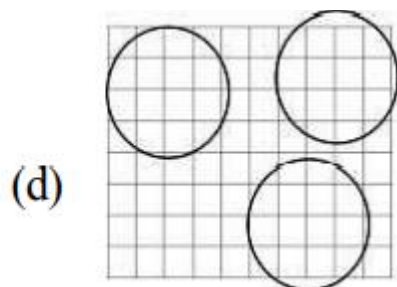
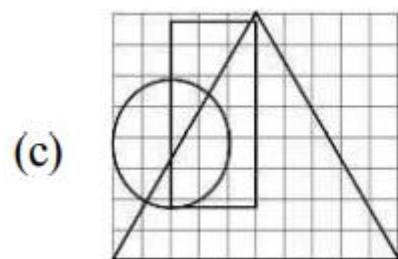
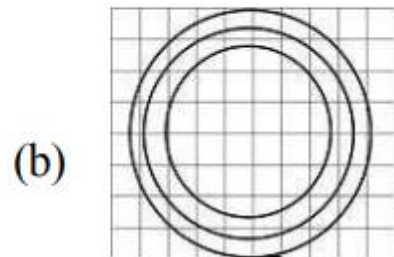
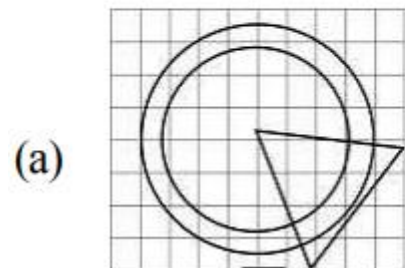
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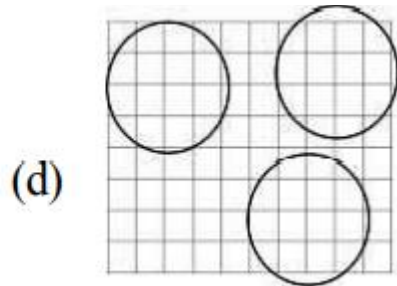
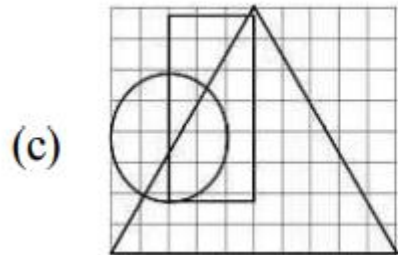
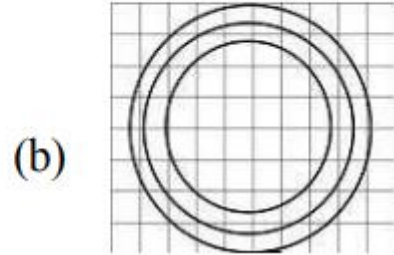
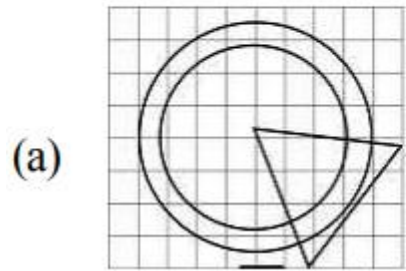
- (a) D (b) F (c) A (d) C

Ans: (a)

Q) Identify the diagram that best represents the relationship among classes given below: Universe, Stars, Sun

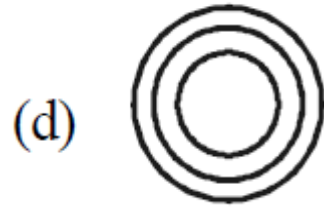
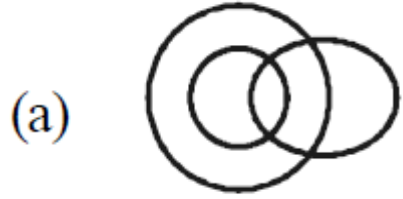


Q) Identify the diagram that best represents the relationship among classes given below: Universe, Stars, Sun

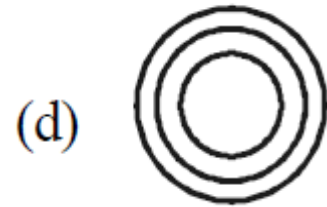
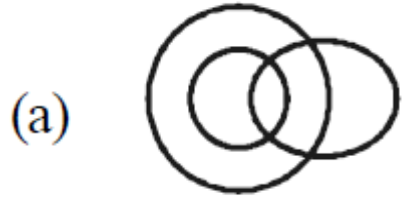


Ans: (b)

Q) Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?

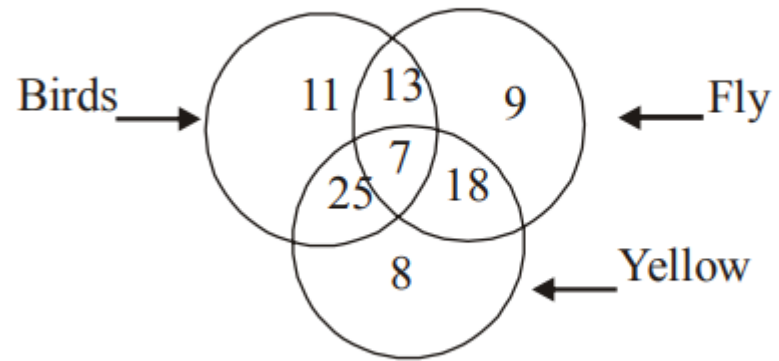


Q) Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?



Ans: (a)

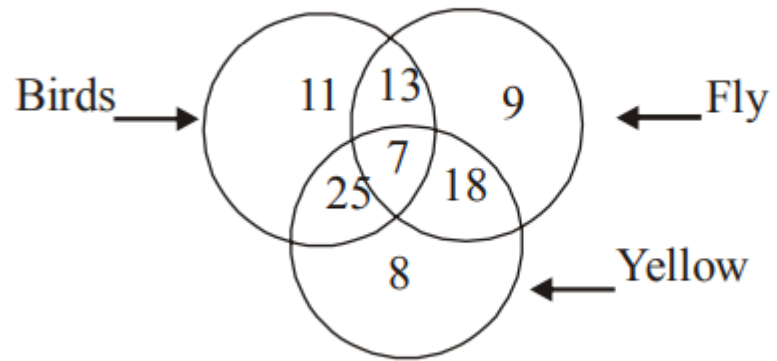
Q) In the given figure, how many yellow birds are there?



- (a) 25
- (c) 18

- (b) 32
- (d) 20

Q) In the given figure, how many yellow birds are there?

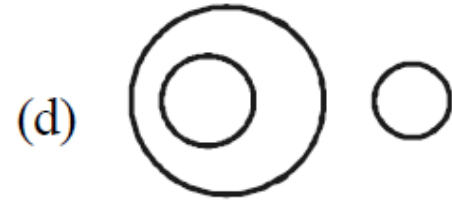
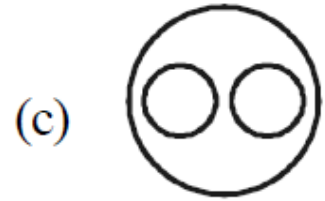
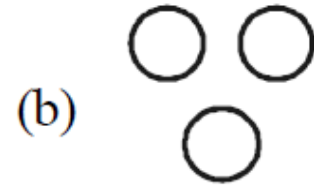
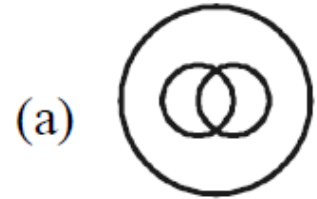


- (a) 25
- (c) 18

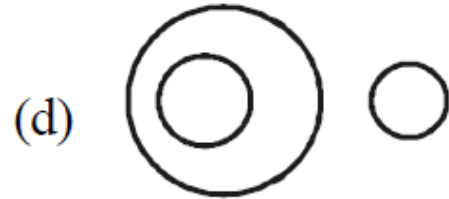
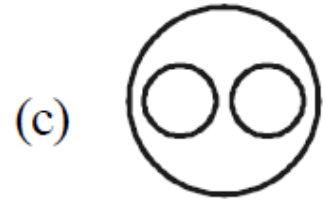
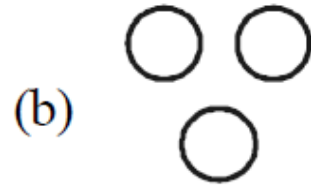
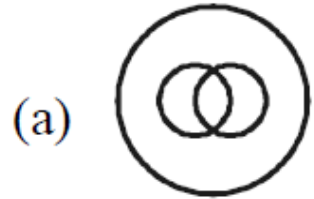
- (b) 32
- (d) 20

Ans: (b)

Q) Which of the following diagrams indicates the best relation between Mountains, Earth and Forests?

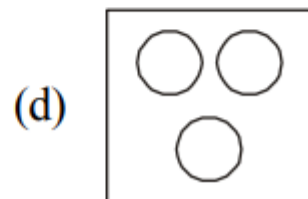
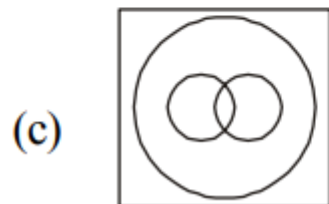
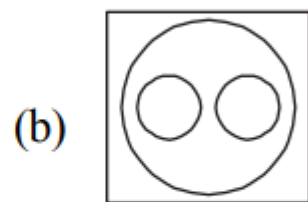
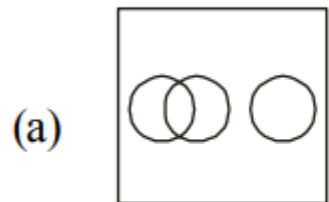


Q) Which of the following diagrams indicates the best relation between Mountains, Earth and Forests?

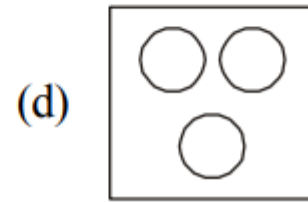
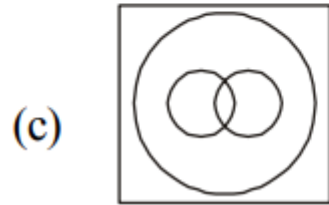
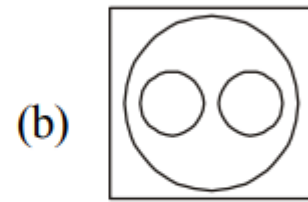
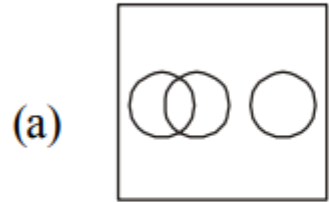


Ans: (a)

Q) Choose the correct Venn diagram which best illustrates the relationship among Hockey, Cricket, Games.

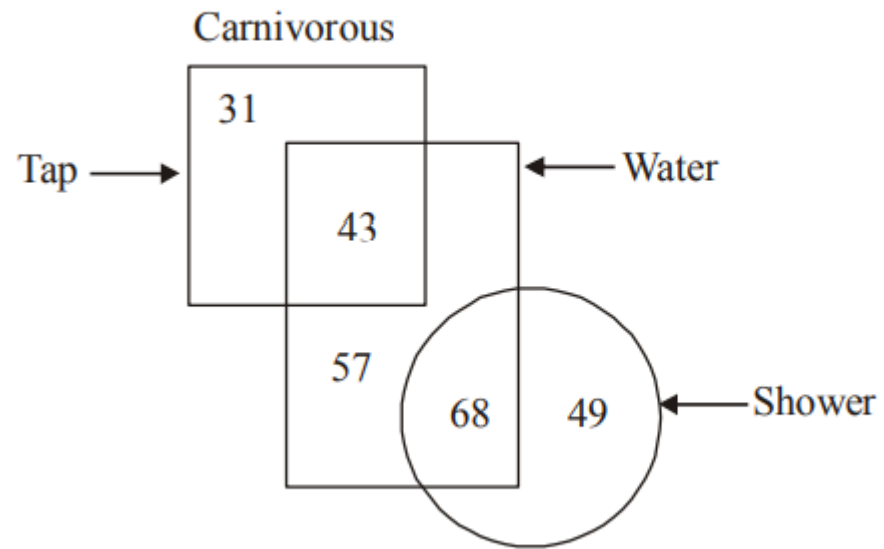


Q) Choose the correct Venn diagram which best illustrates the relationship among Hockey, Cricket, Games.



Ans: (b)

Q) In the given figure, How many water are either tap or shower?



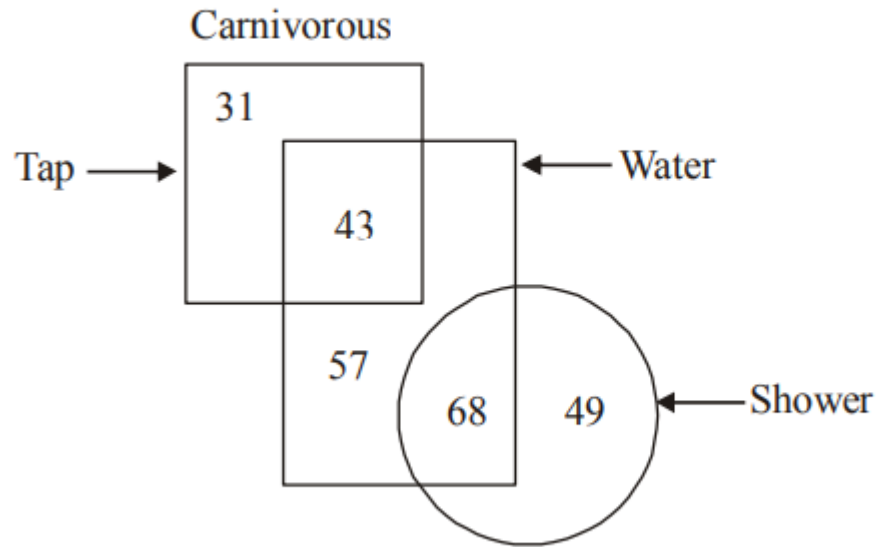
(a) 168

(b) 111

(c) 125

(d) 108

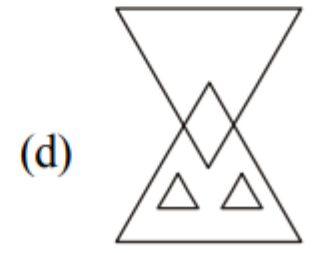
Q) In the given figure, How many water are either tap or shower?



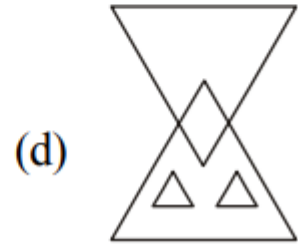
- (a) 168 (b) 111 (c) 125 (d) 108

Ans: (b)

Q) Identify the diagram that best represents the relationship among the given classes.
Earth, Saturn, Planet, Star

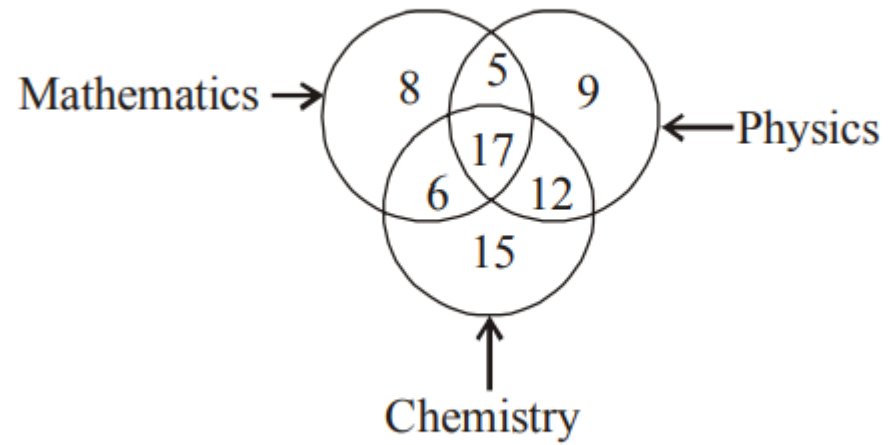


Q) Identify the diagram that best represents the relationship among the given classes.
Earth, Saturn, Planet, Star



Ans: (c)

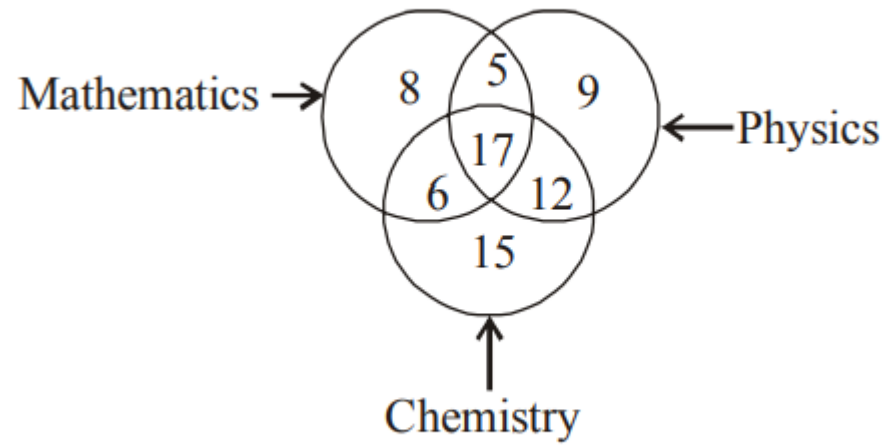
Q) In the given figure, how many people study 2 subjects?



- (a) 11
- (c) 12

- (b) 23
- (d) 40

Q) In the given figure, how many people study 2 subjects?



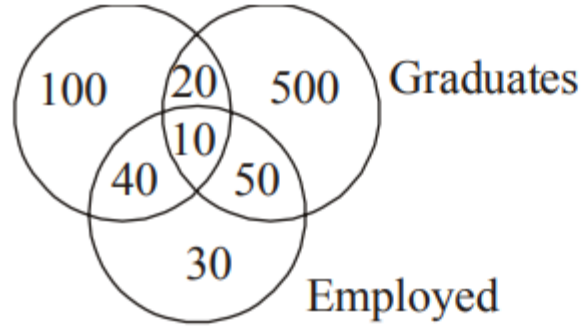
- (a) 11
- (c) 12

- (b) 23
- (d) 40

Ans: (b)

Q) If the number indicates the number of persons, then how many youth graduates are there ?

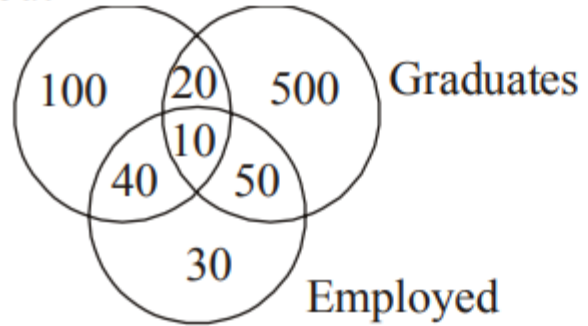
Youth



- (a) 20 (b) 30 (c) 40 (d) 50

Q) If the number indicates the number of persons, then how many youth graduates are there ?

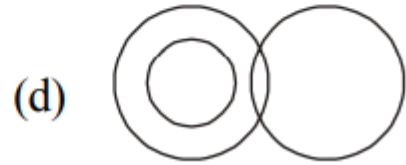
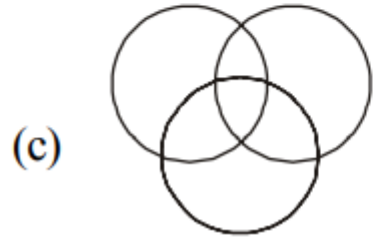
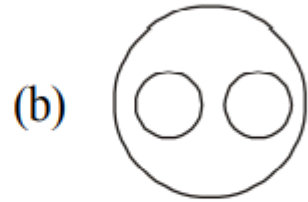
Youth



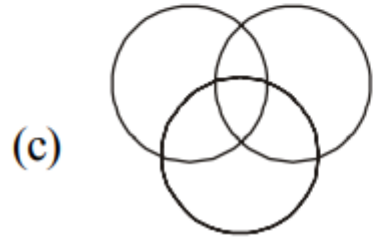
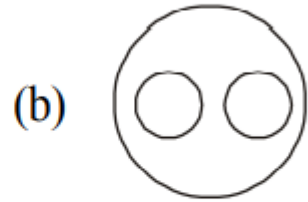
- (a) 20 (b) 30 (c) 40 (d) 50

Ans: (b)

Q) Which figure will best represent the relationship amongst the three classes ?
Boy, Sportsman, Student

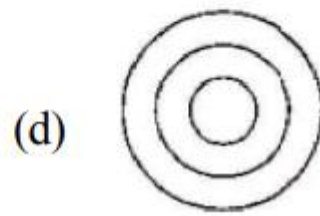
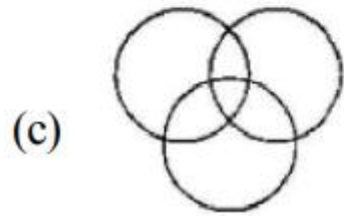
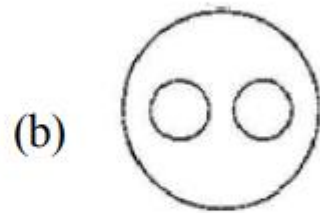
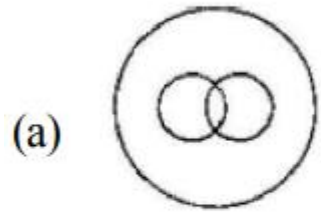


Q) Which figure will best represent the relationship amongst the three classes ?
Boy, Sportsman, Student

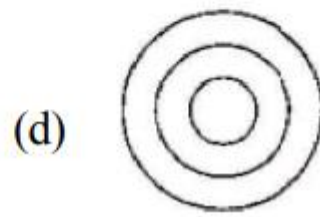
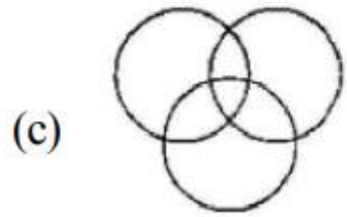
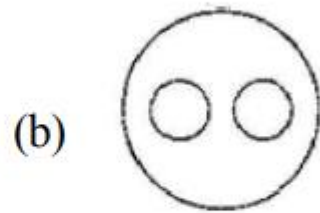
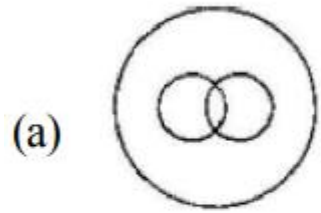


Ans: (c)

Q) Which of the following states the relationship between Sociology, Psychology and Humanities ?

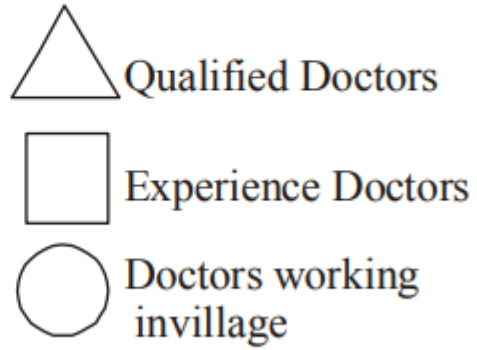
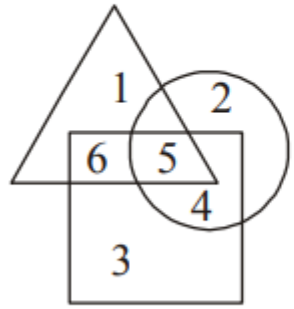


Q) Which of the following states the relationship between Sociology, Psychology and Humanities ?



Ans: (a)

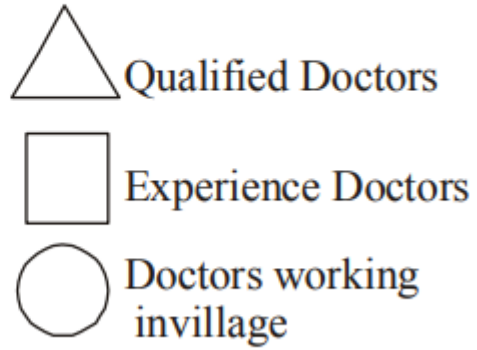
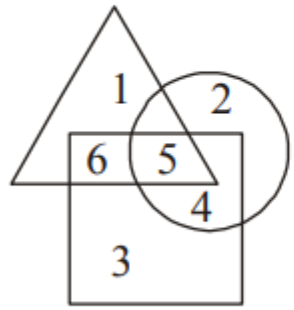
Q) Study the diagram given below and answer question.
The Qualified and experienced doctors working in villages are represented by :



(a) 4 (b) 5

(c) 2 (d) 6

Q) Study the diagram given below and answer question.
The Qualified and experienced doctors working in villages are represented by :



(a) 4

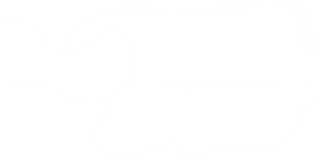
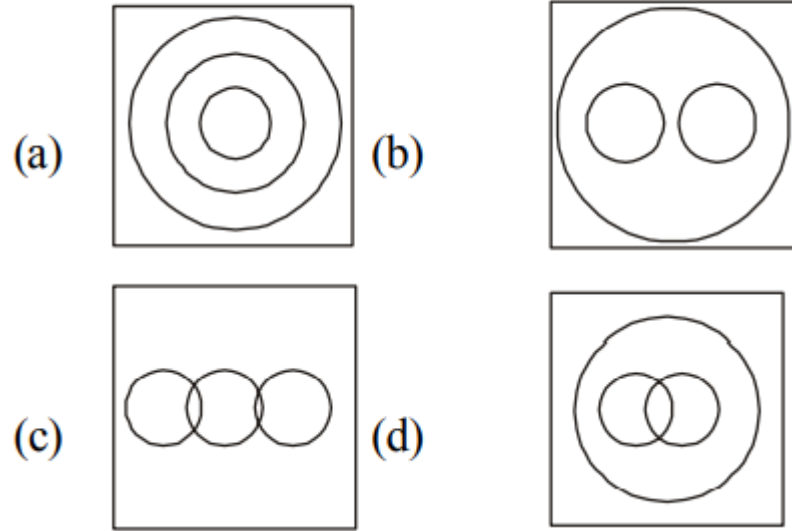
(b) 5

(c) 2

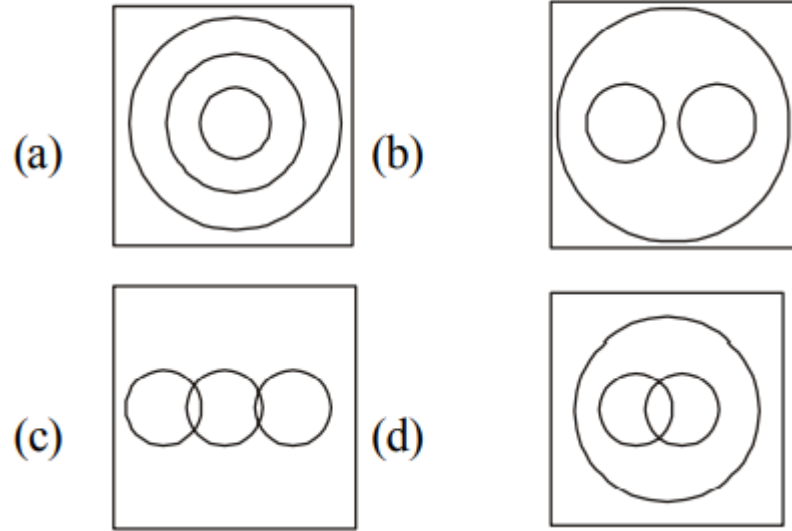
(d) 6

Ans: (b)

Q) Vegetables, Potatoes, Eatables

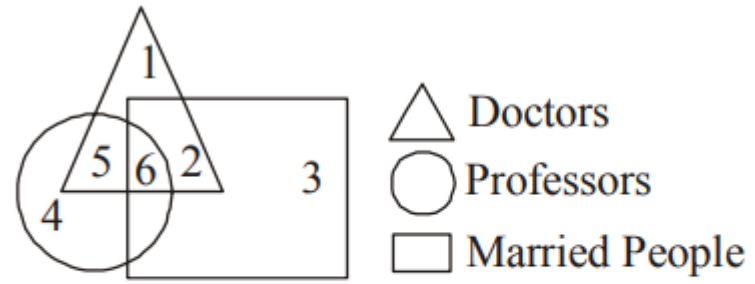


Q) Vegetables, Potatoes, Eatables



Ans: (a)

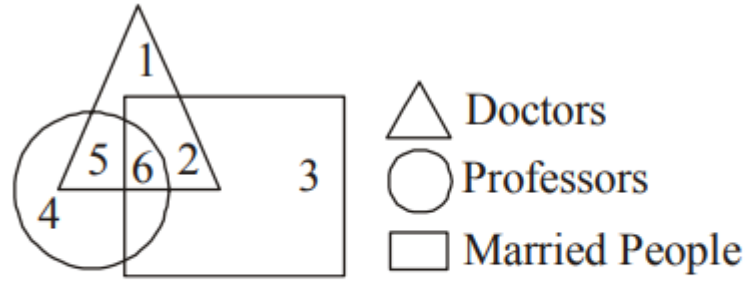
Q)



Which number indicates doctors who are not married ?

- (a) 6 (b) 4 (c) 2 (d) 1

Q)



Which number indicates doctors who are not married ?

- (a) 6 (b) 4 (c) 2 (d) 1

Ans: (d)

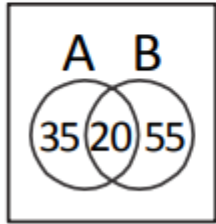
Q) In a total population of 70, if 20 drink coffee and tea, 35 drink coffee, then select the correct venn diagram that shows

(1) how many drink only coffee?

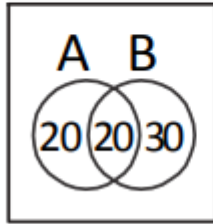
(2) how many drink only tea?

A = Coffee drinkers

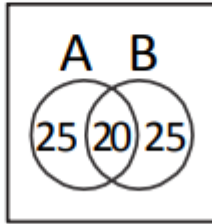
B = Tea drinkers



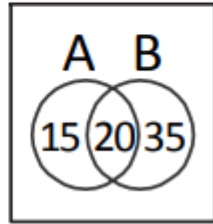
(a)



(b)



(c)



(d)

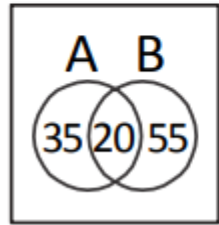
Q) In a total population of 70, if 20 drink coffee and tea, 35 drink coffee, then select the correct venn diagram that shows

(1) how many drink only coffee?

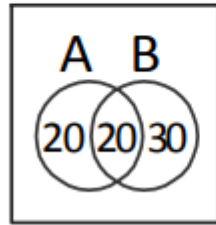
(2) how many drink only tea?

A = Coffee drinkers

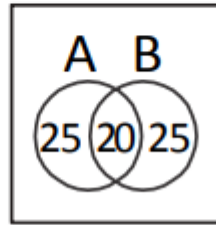
B = Tea drinkers



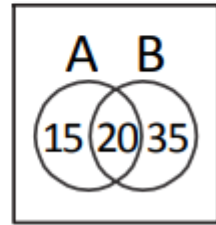
(a)



(b)



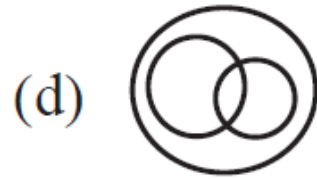
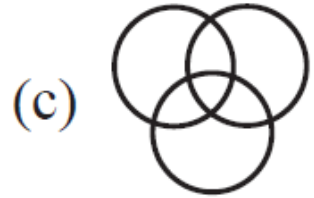
(c)



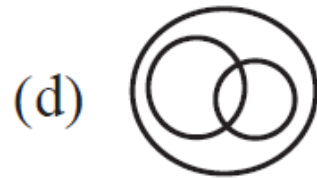
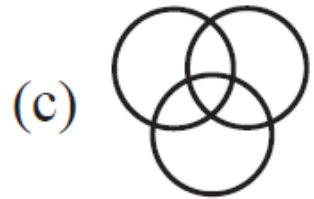
(d)

Ans: (d)

Q) Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus ?

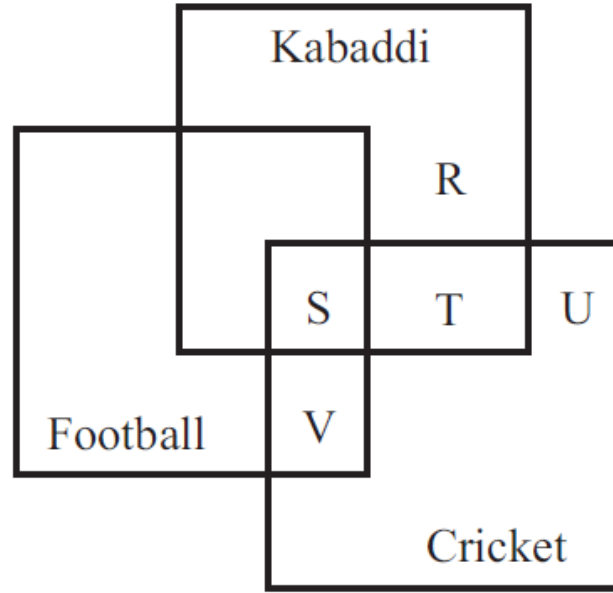


Q) Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus ?



Ans: (b)

Q) The diagram given below represents those students who play Cricket, Football and Kabaddi.

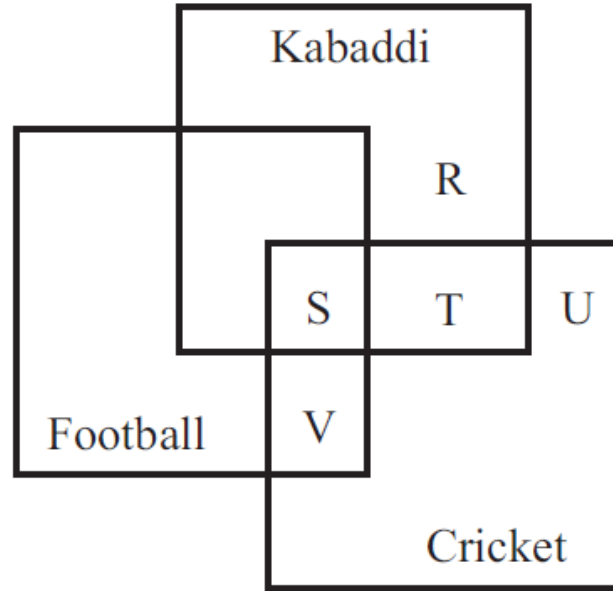


Study the diagram and identify the students who play all the three games.

- (a) $P+Q+R$
(c) $S+T+V$

- (b) $V+T$
(d) S

Q) The diagram given below represents those students who play Cricket, Football and Kabaddi.



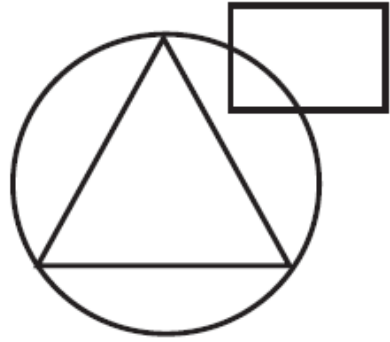
Study the diagram and identify the students who play all the three games.

- (a) $P+Q+R$
(c) $S+T+V$

- (b) $V+T$
(d) S

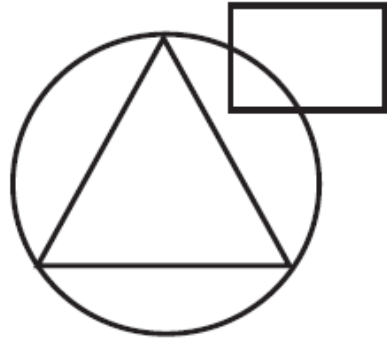
Ans: (d)

Q) In an organization of pollution control board, engineers are represented by a circle, legal experts by a square and environmentalist by a triangle. Who is most represented in the board as shown in the following figure ?



- (a) Environmentalists
- (b) Legal Experts
- (c) Engineers with legal background
- (d) Environmentalists with Engineering background

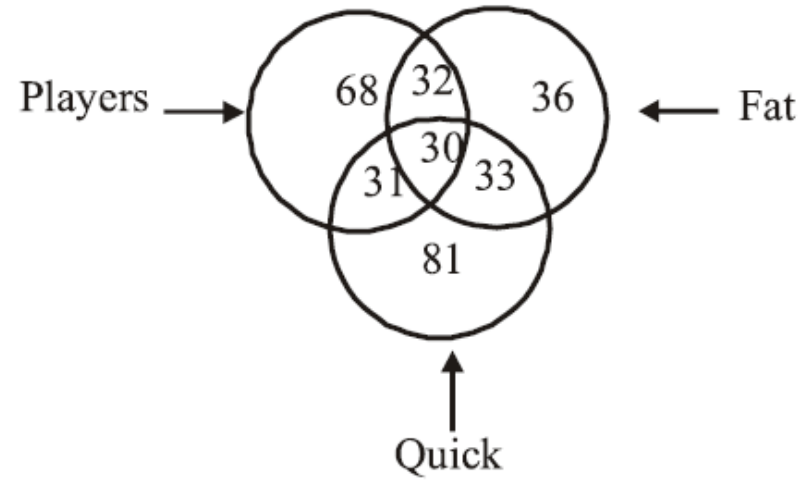
Q) In an organization of pollution control board, engineers are represented by a circle, legal experts by a square and environmentalist by a triangle. Who is most represented in the board as shown in the following figure ?



- (a) Environmentalists
- (b) Legal Experts
- (c) Engineers with legal background
- (d) Environmentalists with Engineering background

Ans: (d)

Q) In the given figure, how many players are quick and fat?



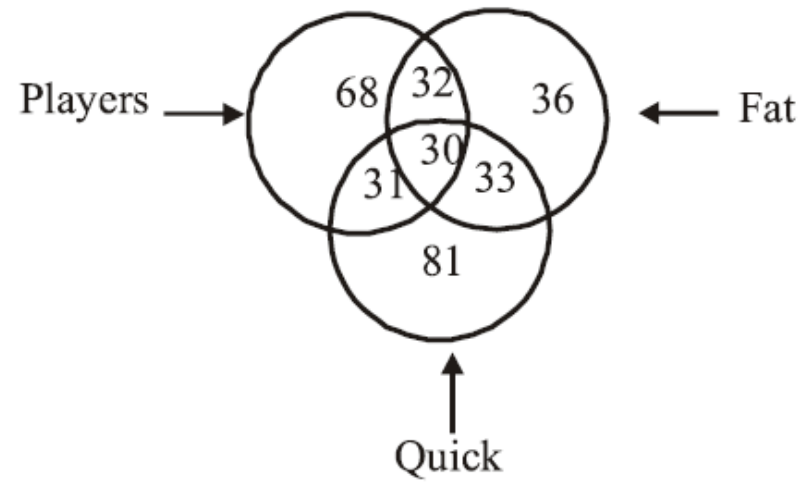
(a) 31

(b) 30

(c) 32

(d) 33

Q) In the given figure, how many players are quick and fat?



(a) 31

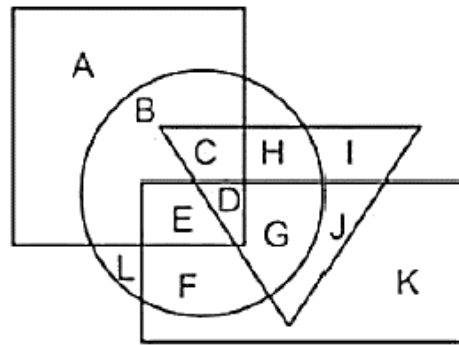
(b) 30

(c) 32

(d) 33

Ans: (b)

Q) In the following figure, rectangle represents Opticians, circle represents Art critics, triangle represents Riders and square represents Boxes. Which set of letters represents Art critics who are not Riders?



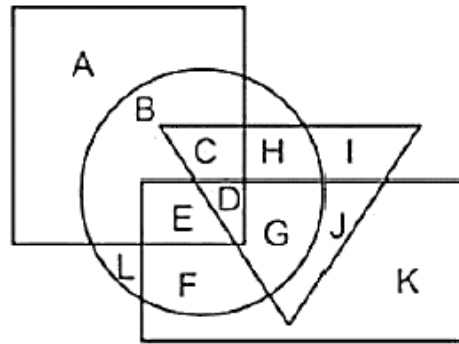
(a) BLEF

(b) IJ

(c) CHDG

(d) EDGJ

Q) In the following figure, rectangle represents Opticians, circle represents Art critics, triangle represents Riders and square represents Boxes. Which set of letters represents Art critics who are not Riders?



(a) BLEF

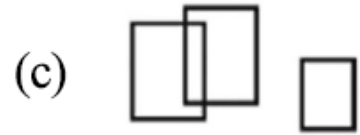
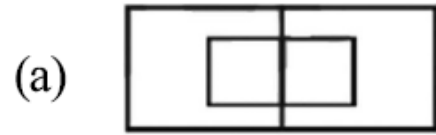
(b) IJ

(c) CHDG

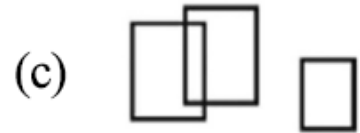
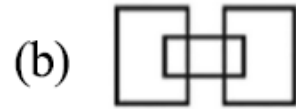
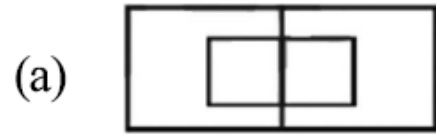
(d) EDGJ

Ans: (a)

Q) Which one of the following diagram represents the correct relationship among Professor, Male and Female.



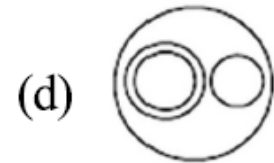
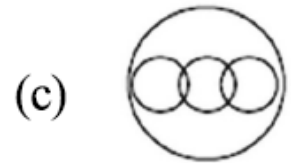
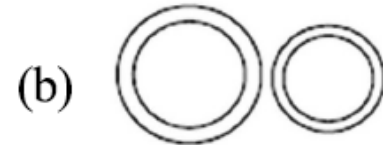
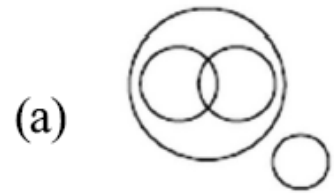
Q) Which one of the following diagram represents the correct relationship among Professor, Male and Female.



Ans: (a)

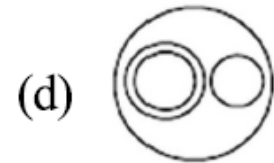
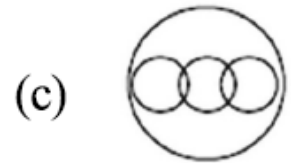
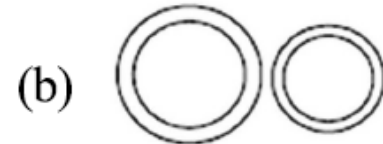
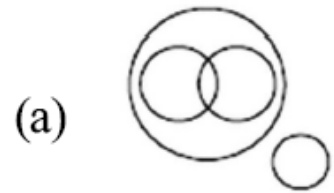
Q) Which one of the following diagram represents the correct relationship among

Brain, Cerebrum, Liver and Human body.



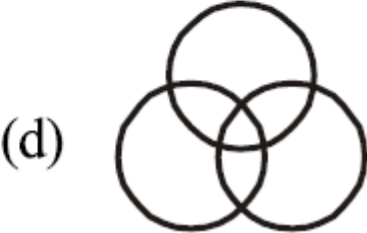
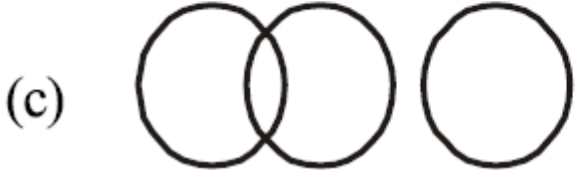
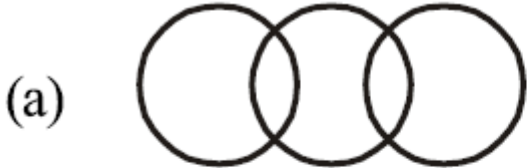
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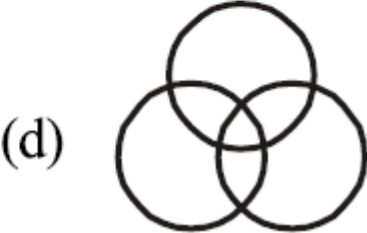
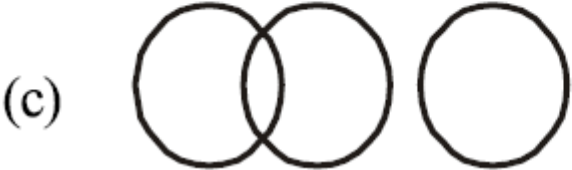
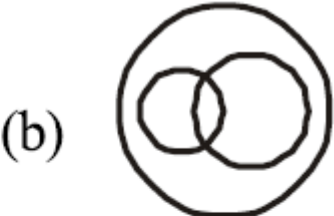
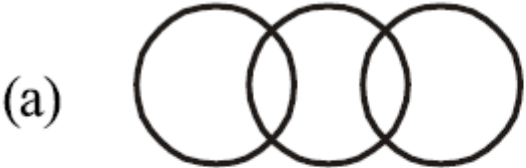


Ans: (d)

Q) Student of law, Student of science, Men

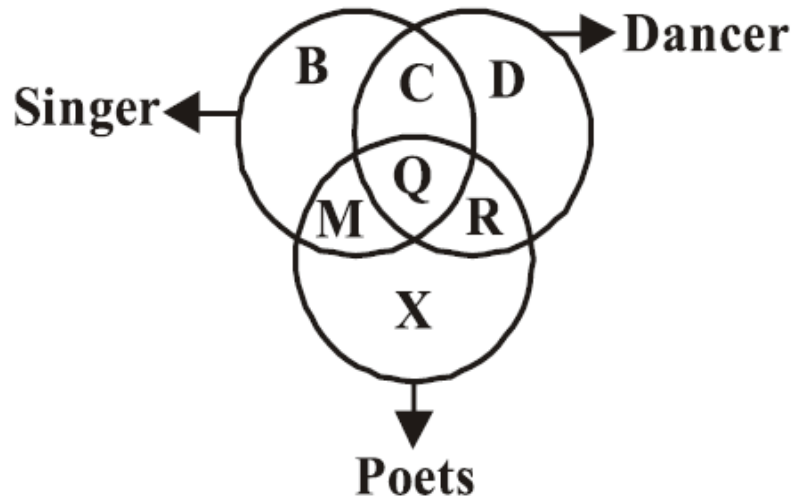


Q) Student of law, Student of science, Men



Ans: (a)

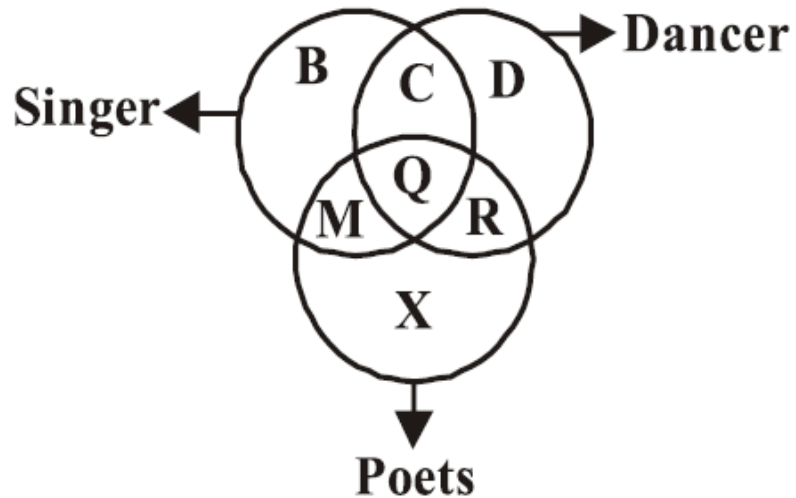
Q) The following diagram represents the students who are singers, dancers and poets.



Study the diagram and identify the region which represents the students who are both poets and singers but not dancers.

- | | |
|-----------------|-------------|
| (a) $B + C + D$ | (b) M |
| (c) $Q + R$ | (d) $R + X$ |

Q) The following diagram represents the students who are singers, dancers and poets.



Study the diagram and identify the region which represents the students who are both poets and singers but not dancers.

- | | |
|-----------------|-------------|
| (a) $B + C + D$ | (b) M |
| (c) $Q + R$ | (d) $R + X$ |

Ans: (b)