

Passage 1

Until the end of his first year at school, Cyril retained many of the pleasures and pursuits he had brought with him from home, and he kept an old interest in butterflies and fossils. His grandmother had presented him with a fine bird's eggs cabinet, but he could never bring himself to risk in climbing trees. Once or twice he dissected dead birds from sheer determination to overcome his horror of the operation. Probably it was his envy of those physically unlike himself that brought on a phase during which he drew massive athletes with thick necks and square shoulders. Again he pitied himself for what he could never be.

Q.1) The reason why Cyril made drawings of athletes was that

- a) though he admired them, he lacked a fine physique himself
- b) he loved violent exercises
- c) athletics was a passion with him
- d) he had to complete an assignment

Q.1) Solution (a)

Referring to the last 2 lines of the passage, “Probably it was his envy of those physically unlike himself that brought on a phase during which he drew massive athletes with thick necks and square shoulders. Again he pitied himself for what he could never be.”

From this we can infer that option a is correct.

Q.2 and Q.3) Directions for the following 2(two) questions:

Consider the given information and answer the two items that follow

Seven varsity basketball players A, B, C, D, E, F and G are to be honoured at a special luncheon. The players will be seated on the dais in a row. A and G have to leave the luncheon early and so must be seated at the extreme right. B will receive the most valuable player's trophy and so much be in the centre to facilitate presentation. C and D are bitter rivals and therefore, must be seated as far apart as possible.

Q.2) Which of the following cannot be seated at either end?

- a) C
- b) D
- c) F
- d) G

Q.2) Solution (c)

According to the question the following arrangement can be made

C-E-F-B-D-A-G OR D-F-E-B-C-G-A

It is clear that from the given options F cannot be seated at the either end.

Q.3) Which of the following pairs cannot be seated together?

- a) E and A
- b) B and D
- c) C and F
- d) D and G

Q.3) Solution (c)

If we look at the options, D and G can sit together; C and F can sit together; B and D can sit together. But, E and A is the only option which is not possible.

Q.4) Forty percent of the employees of a certain company are men, and 75 percent of the men earn more than Rs. 25,000 per year. If 45 percent of the company's employees earn more than Rs. 25,000 per year, what fraction of the women employed by the company earn Rs. 25,000 year or less?

- a) $\frac{2}{11}$
- b) $\frac{1}{4}$
- c) $\frac{3}{4}$
- d) $\frac{5}{11}$

Q.4) Solution (b)

Let the number of employees be 100.

→ Let's assume there are 40 men and 60 women.

Number of men getting more than 25,000 = 30

Number of people getting more than 25,000 = 45

Number of women getting more than 25,000 = 45 - 30 = 15

Fraction of women getting less than 25,000 = $45/60 = 3/4$

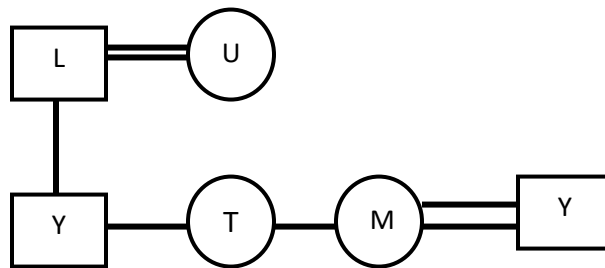
Q.5) A – B means 'A is the sister of B'; A × B means 'A is the husband of B'; A ÷ B means 'A is the son of B'

If $Y \times M - T - Z \div L \times U$, then how is U related to Y?

- a) Father-in-law
- b) Mother-in-law
- c) Father
- d) Mother

Q.5) Solution (b)

In the diagram, Circle shows the female, square shows the male, vertical lines show the generation, single horizontal line shows the brother/sister and double horizontal lines show the couple.



From the diagram,

'U' is the mother-in-law of 'Y'.

Therefore, correct answer is option b.