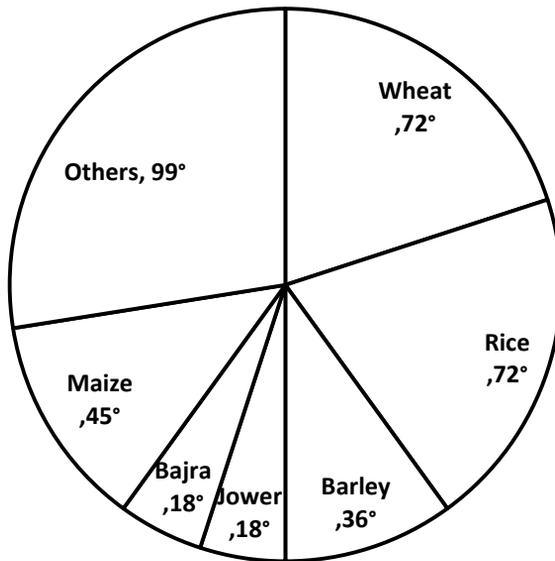


QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

The pie-chart provided below gives the distribution of land (in a village) under various food crops. Study the pie-chart carefully and answer the questions.



QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

1. If the total area under bajra was three hundred acres, then the total area (in hundred) acres under rice and barley together is:
- (a) 18
 - (b) 12
 - (c) 15
 - (d) 20°

QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

2. The combination of three crops which contribute to more than 50% of the total area under the food crops is:
- (a) Wheat, rice and maize
 - (b) Wheat, rice and jowar
 - (c) Wheat, rice and bajra
 - (d) Wheat, barley and maize

QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

3. The ratio of the land used for rice and barley is:
- (a) 3 : 1
 - (b) 1 : 2
 - (c) 2 : 1
 - (d) 3 : 2

QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

4. If 10% of the land reserved for rice be distributed to wheat and barley in the ratio 2 : 1, then the angle corresponding to wheat in the new pie-chart will be:
- (a) 38.4°
 - (b) 76.8°
 - (c) 75.6°
 - (d) 45.5°

QUESTIONS OF THE WEEK

QUANTITATIVE TECHNIQUES

1. Answer: A

Sol. Area of rice and barley together = $\frac{3}{18} \times (75 + 36)$
= $3 \times 6 = 18$ Hundred Acres

2. Answer: A

Sol.

| | | | | |
|--------------------------|---|------|---|------------|
| Wheat | + | Rice | + | Maze |
| ↓ | | ↓ | | ↓ |
| 72° | | 72° | | 45° = 189° |
| (which is more than 50%) | | | | |

3. Answer: C

Sol. Ratio between land used for Rice and Barley

$$= \frac{72}{36} = 2 : 1$$

4. Answer: B

Sol. 10% of rice = 7.2°

then after distribution of it between wheat and barley, the new angle of wheat

$$= 72^\circ + \frac{2}{3} \times 7.2^\circ = 76.8^\circ$$