B K BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
PERIODIC TEST – II (2025-26)
ECONOMICS (030)

Class: XI **Duration: 1Hr**
Date: 6/11/2025 **MARKING KEY** **Max. Marks: 25**
Admission No: **Exam No.**

Instructions: All questions are compulsory.

1. a) Zero 1)

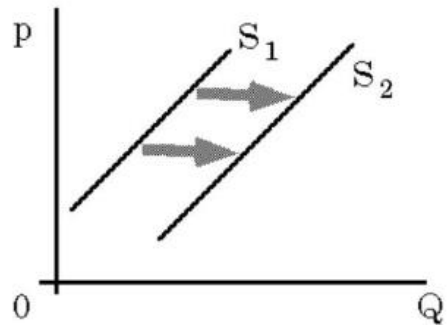
2. b) Median 1)

3. b) Both the statements are false. 1)

4. b) Change in quantity supplied 1)

5. c) 2.5 1)

6. When technological progress on the production of good, Marginal and Average cost of the production tends to fall, Accordingly, producers will supply at the same price or same supply at the lower price. This implies a forward or rightward shift supply curve. 3)



The supply curve shifts to the right from S_1 to S_2.

7. $\bar{X} = A + \frac{\sum fm}{\sum f} X C$ 3)

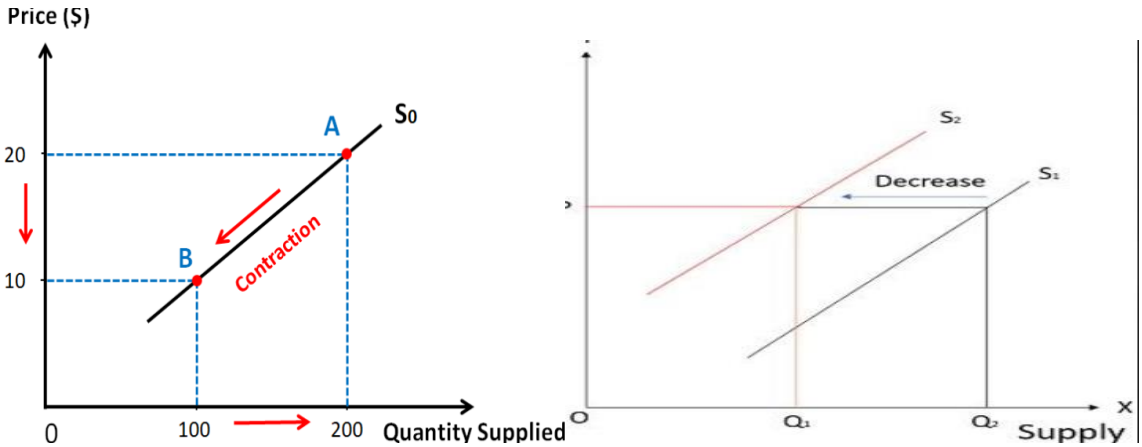
. $\bar{X} = 44.5 + \frac{-6}{40} X 10$ = 44.5 – 1.5 = 43.0

= 43 Answer

8. - (i) Fall in the price of a good – X leads to downward movement along the supply curve, other things remaining constant as diagram: 4)

(ii) With rise in tax rate on Good – X , marginal and average costs the production tend to rise, Other things remaining constant, it causes a cut in profit. Accordingly, only at a higher price. This implies a backward or leftward shift in supply curve or decreases in supply Diagram:-

(i) (ii)



9. Middle item is $[\frac{125}{2}]th$ or 62.5th item which lies in the group 30-40 4)

Median = $l_1 + \frac{\frac{N}{2}-c.f}{f}$ x i

= $30 + \frac{22.5\ x\ 10}{36}$

= 30 + 6.25 = 36.25

Median = 36.25 Answer

10. (a) $\bar{X} = \frac{\sum fm}{\sum f}$ 4)

$= \frac{1345+15f1}{43+f1}$

$= 1247 + 29f_1 = 1345 + 15f_1$

$= 29f_1 - 15f_1 = 1345 - 1247$

$14f_1 = 98$

$f_1 = 7$

Missing frequency = 7 Answer

10. (b) $\bar{X} = \frac{\sum X}{N}$ Given $\bar{x}$ = 35, N = 70 2)

$\sum X$ = 70 N = 70

$\sum X$ = 70 x 35 = 2450

Corrected $\sum X$ = 2450 – Incorrect item + Correct item

Corrected $\sum X$ = 2450 – 50 – 43 + 45 + 34 = 2432

Corrected mean = $\frac{\sum X}{N} = \frac{2432}{70}$ = 34.74

= 34.74 = Answer

**********ALL THE BEST**********