

Date = 18-12-2021

Ex-16CA)

Hw-19-1-2021

1. (i) 13 out of 20 Swerit Veth 6B

$$\frac{13}{20} \times 100 = 65\%$$

$$(ii) \frac{21}{30} \times 100 = \frac{210}{3} = 70\%$$

$$2. (i) \frac{3}{200} \times 100 = \frac{3 \times 5}{2 \times 5} = \frac{15}{10} = 1.5\%$$

$$(ii) \frac{5}{36} \times 100 = \frac{250}{3} = 83\frac{1}{3}\%$$

$$(iii) \frac{65}{420} \times 100 = \frac{65}{4} \times 5 = \frac{325}{4} = 81 \frac{1}{4}\%$$

$$(iv) \frac{2}{3} \times 100 = \frac{200}{3} = 66 \frac{2}{3}\%$$

$$3. (i) 0.10 = \frac{10}{100} = 10\% \cdot \frac{10}{100} \times 100 = 10\%$$

$$(ii) 0.02 = \frac{2}{100} = 2\% \cdot \frac{2}{100} \times 100 = 2\%$$

$$(iii) 0.7 = \frac{7}{10} = \frac{7}{10} \times 100 = 70\%$$

$$(iv) 0.15 = \frac{15}{100} \times 100 = 15\%$$

$$(v) 0.032 = \frac{32}{1000} \times 100$$

$$\frac{32}{10} = 3.2\%$$

$$\frac{32}{100} \times 100 = 32\%$$

$$(4) (i) 8\% = \frac{8}{100} = \frac{2 \times 4}{2 \times 50} = \frac{4}{50} = \frac{2 \times 2}{2 \times 25} = \frac{2}{25}$$

$$(ii) 20\% = \frac{20}{100} = \frac{2 \times 10}{2 \times 50}$$

$$\frac{10}{50} = \frac{2 \times 5}{2 \times 25} = \frac{5 \times 1}{5 \times 5} = \frac{1}{5}$$

$$(iii) \frac{85}{100} = \frac{5 \times 17}{5 \times 20} = \frac{17}{20}$$

$$(iv) 250\% = \frac{250}{100} = \frac{5 \times 50}{5 \times 20}$$

$$\frac{50}{20} = \frac{5 \times 10}{5 \times 4} = \frac{10 \times 2 \times 5}{4 \times 2 \times 2} = \frac{5}{2}$$

$$(v) \frac{25}{2}\% = \frac{25}{2} \times \frac{100}{100} = 1250$$

$$\frac{25}{2} \cdot \frac{100}{100}$$

$$\frac{25}{2 \times 100} = \frac{1}{8}$$

$$(5) (i) \frac{25}{100} = 0.25$$

$$(ii) 108\% = \frac{108}{100} = 1.08$$

$$(iii) 95\% = \frac{95}{100} = 0.95$$

$$(i) 4.5\% = \frac{4.5}{100} = \frac{45}{10} \times \frac{10}{100} = \frac{450}{1000}$$

$$\frac{45}{10} \times \frac{1}{100} = \frac{45}{1000} = 0.045\%$$

$$(v) 29.2\% = \frac{29.2}{100} = \frac{292}{10} \times \frac{1}{100}$$

$$= \frac{292}{1000} = 0.292$$

6. (i) $7 \times 100 = 700\%$

(ii) $2 \times 100 = 200\%$

(iii) $19.5 \times 100 = 1950.0$
 $= 1950\%$

(iv) $5.37 \times 100 = 537.00$
 537%