

| Q.13. | In the standard form of a rational number, the denominator is always |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | A 0 |  | B | Negative integer | C | Positive integer | D | 1 |
| Q.14. | Which is greater number in the following. |  |  |  |  |  |  |  |  |
|  | A | A $\frac{-1}{2}$ |  | B | 0 | C | $\frac{1}{2}$ | D | -2 |
| Q.15. | Which of the following statements is correct? |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | $\frac{3}{5}>\frac{4}{3}$ |
| Q16. | Fill in the blanks: - <br> a) The numerator of the rational number $-\frac{4}{3}$ is $\qquad$ . <br> b) The rational number $\qquad$ is neither positive nor negative. <br> c) On a number line, $\frac{-1}{2}$ is to the $\qquad$ of zero (0). <br> d) Additive inverse of $\frac{2}{3}$ is $\qquad$ . <br> e) The reciprocal of $\qquad$ does not exist. |  |  |  |  |  |  |  |  |
| Q17. |  |  |  |  |  |  |  |  |  |
|  | Match column I to column II in the following:Column I Column II |  |  |  |  |  |  |  |  |
|  |  | i | Column I   <br> $\mathbf{i}$   | $\frac{5}{7} \div \frac{15}{21}$ |  | a | -1 |  |  |
|  |  |  | ii | $0 \times \frac{5}{9}$ |  | b | 2 |  |  |
|  |  | iii | iii | $\frac{-2}{3}-\frac{1}{3}$ | - | c | 0 |  |  |
|  |  | iv | iv | The reci | procal of $\frac{1}{-2}$ | d | 1 |  |  |
|  |  |  |  | $\frac{17}{7}+\frac{-3}{7}$ |  |  |  |  |  |
| Q18. | Compare and put the correct symbol $\Gamma>\ll$ and $=1$ |  |  |  |  |  |  |  |  |
|  |  | i. $\frac{3}{-8}$ <br> ii. $\frac{3}{7}$ <br> iii. $\frac{5}{6}$ <br> iv. $\frac{-9}{7}$ <br> v. $\frac{13}{8}$ |  |  | $\begin{aligned} & \frac{3}{-8} \\ & \frac{-5}{6} \\ & \frac{8}{4} \\ & \frac{4}{4} \\ & \frac{7}{7} \\ & \frac{3}{3} \end{aligned}$ |  |  |  |  |



| Answers: |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 16 | 2 | $\frac{-3}{4}$ | 3 | $\frac{12}{24}$ | 4 | $\frac{6}{0}$ | 5 | -5 |
| 6 | $\frac{3}{4}$ | 7 | -1 | 8 | always negative | 9 | p is true and $\mathbf{q}$ is false. | 10 | $\frac{3}{-7}$ |
| 11 | 1 | 12 | Infinite | 13 | Positive integer | 14 | $\frac{1}{2}$ | 15 | $\frac{3}{-8}=\frac{-12}{32}$ |
| 16 | $\begin{aligned} & \text { a) }-4, \text { b) } 0, \text { c) } \\ & \text { left , d) }-\frac{2}{3} \text { e) } 0 \end{aligned}$ | 17 | $\mathbf{i} \rightarrow \mathbf{d}, \quad \mathbf{i} \rightarrow \mathbf{c}$, iii $\rightarrow \mathbf{a}$, iv $\rightarrow \mathbf{e}, \quad \mathbf{v} \rightarrow \mathbf{b}$ | 18 | $\begin{gathered} \text { i. }=, \quad \text { ii }>, \\ \text { iii }<, \quad \text { iv }< \\ , \quad v> \end{gathered}$ | 19 | a. True <br> b. False <br> c. True <br> d. True <br> e. False |  | - |
| 20 I | 16 | $\begin{aligned} & \mathbf{2 0} \\ & \text { II } \\ & \hline \end{aligned}$ | $2 \underset{4}{1} \mathrm{~m}$ | $\begin{array}{\|l\|} \hline 20 \\ \text { III } \end{array}$ | 62 minutes | $\begin{aligned} & \mathbf{2 0} \\ & \text { IV } \\ & \hline \end{aligned}$ | 24km | 20 | $4 \frac{3}{4} \mathrm{~L}$ |

