

| Q.10. | In the given figure, $\mathrm{PQ}=\mathrm{QR}, \angle \mathrm{QPR}=48^{\circ}, \angle \mathrm{SRP}=18^{\circ}$, then $\angle \mathrm{PQR}$ is |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | $48^{\circ}$ | B | $84^{\circ}$ | C | $30^{\circ}$ | D | $36^{\circ}$ |
| Q.11. | A right - angled isosceles triangle ABC is right angled at A . Then $\angle \mathrm{B}$ is |  |  |  |  |  |  |  |
|  | A | $45^{\circ}$ | B | $60^{\circ}$ | C | $30^{\circ}$ | D | $90^{\circ}$ |
| Q.12. | Which of the following is not a criterion for congruence of triangles? |  |  |  |  |  |  |  |
|  | A | SAS | B | SSS | C | ASA | D | SSA |
| Q.13. | $\triangle \mathrm{ABC} \cong \triangle \mathrm{FDE}$ in which $\mathrm{AB}=6 \mathrm{~cm} \angle \mathrm{~B}=40^{\circ}, \angle \mathrm{A}=80^{\circ}$ and $\mathrm{FD}=6 \mathrm{~cm}$, then $\angle \mathrm{E}$ is |  |  |  |  |  |  |  |
|  | A | $50^{\circ}$ | B | $80^{\circ}$ | C | $60^{\circ}$ | D | $40^{\circ}$ |
| Q.14. | In $\triangle \mathrm{ABC}, \angle \mathrm{C}=\angle \mathrm{A}$ and $\mathrm{BC}=4 \mathrm{~cm}$ and $\mathrm{AC}=5 \mathrm{~cm}$, then find length of AB . |  |  |  |  |  |  |  |
|  | A | 5 cm | B | 4 cm | C | 3 cm | D | 3.5 cm |
| Q.15. |  | is the asure |  | $\mathrm{BC} \text { of }$ | C | $\mathrm{BD}=$ | AD | $=C D$ |
|  | A | $30^{\circ}$ | B | $70^{\circ}$ | C | $80^{\circ}$ | D | $40^{\circ}$ |


| ASSERTION AND REASON Type Questions (1 mark each) |  |
| :--- | :--- |
|  | DIRECTION: In each of the following questions, a statement of Assertion is given followed <br> by a corresponding statement of Reason just below it. Choose the correct statement from the <br> options as: <br> A) Both assertion and reason are true and reason is the correct explanation of assertion. <br> B) Both assertion and reason are true but reason is not the correct explanation of assertion. <br> C) Assertion is true but reason is false. <br> D) Assertion is false but reason is true. |
| Q.16. | Assertion: If we draw two triangles with angles $30^{\circ}, 70^{\circ}$, and $80^{\circ}$ and the length of the sides <br> of one triangle be different than that of the corresponding sides of the other triangle then two <br> triangles are not congruent. <br> Reason: If two triangles are constructed which have all corresponding angles equal but have <br> unequal corresponding sides, then two triangles cannot be congruent to each other. |
| Q.17 | Assertion: In $\Delta \mathrm{ABC}$ and $\Delta \mathrm{PQR}, \mathrm{AB}=\mathrm{PQ}, \mathrm{AC}=\mathrm{PR}$ and $\angle \mathrm{BAC}=\angle \mathrm{QPR}$, <br> then $\Delta \mathrm{ABC} \cong \Delta \mathrm{PQR}$. <br> Reason: Both the triangles are congruent by SSS |


| Answers |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q. 1 | C | Q. 2 | C | Q. 3 | D | Q. 4 |  | B |  |
|  | Q. 5 | B | Q. 6 | D | Q. 7 | C | Q. 8 |  | A |  |
|  | Q. 9 | A | Q. 10 | B | Q. 11 | A | Q. 12 |  | D |  |
|  | Q. 13 | C | Q. 14 | B | Q. 15 | D | Q. 16 | A | Q. 17 | C |

