MATHS

BOOKS - NAVNEET PUBLICATION

CONGRUENCE OF TRIANGLES

Question Bank

1. In each pair of triangles in the following figures, parts bearing identical marks are congruent. State the test and correspondence of vertices by which triangles in each pair are congruent :

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6. Choose the correct alternative answers for each of the following questions:

We can express the correspondence between the vertices of any two triangles in ....different ways.

    A. two

    B. three

    C. six

    D. infinite

Answer: C

7. Choose the correct alternative answers for each of the following questions:

$(\#\#NAV_M AT_V III_P 02_C 13_E 03_{003} - Q01.\, png$ width$=80\,\% > With the \in$ /_Backing` .....

A. $\angle$ QPR

B. $\angle$ CAB

C. $\angle$ PRQ

D. $\angle$ ABC

Answer: C

8. State the test and correspondence of vertices by which triangles in each pair are congruent.

In order to get

$\triangle PQM \cong \triangle$ `SRM by hypotevse side test, w ̂ additional $\in f$ or mations

/_\PQMcong` ASRM and l(PQ) = 5 cm then what will be the length of seg SR? Give your reason.

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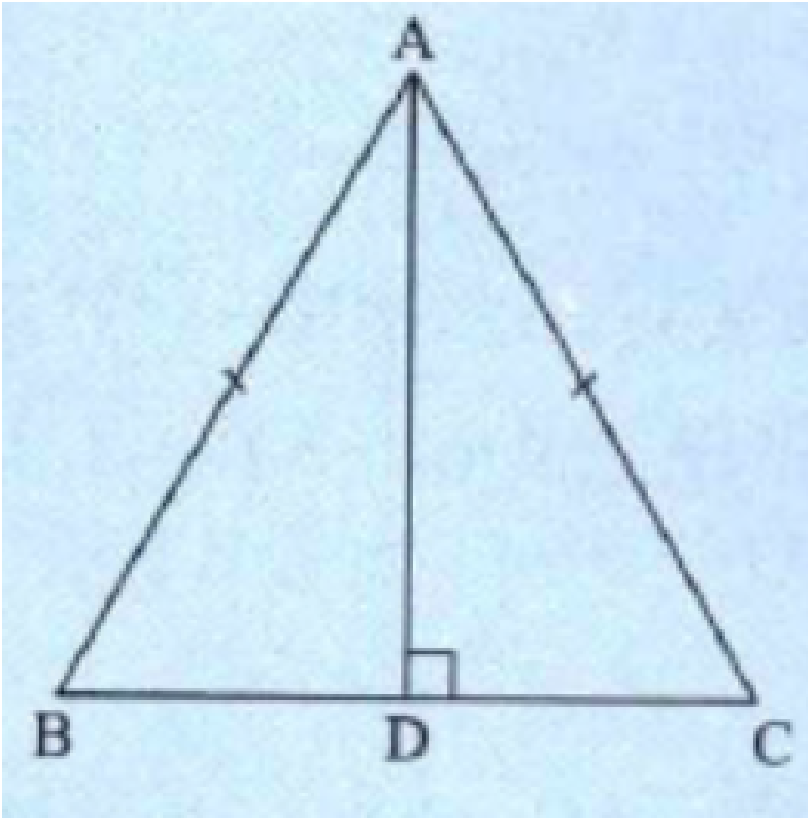**11.** State the test and correspondence of vertices by which triangles in each pair are congruent.

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/_\PQMcong` ASRM and l(PQ) = 5 cm then what will be the length of seg SR? Give your reason.

12. In the figure, show $\triangle ABD$ and $\triangle\,{}^{\backprime}ACD$ congruent. Mention the test and the correspondence. Also write which angle will be congruent to $\angle$ ABD.

13. In the figure, show $\triangle\ ABD$ and $/\_\backslash$ $ACD \cong ruent.\ Mention the test$ and $the c$ or $respondence.\ Also write wh$

$/\_`$ ABD.

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14.

With the information shown in the figure, state the various tests we can use to show the congruence of the two triangles. Explain with proper steps.

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