

## ECAT Computer Science Entry Test

| Sr | Questions                                                                                        | Answers Choice                                                                                                                                                                          |
|----|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | In a triangle ABC, if angle A = $72^\circ$ , angle B = $48^\circ$ and c = 9 cm then $\hat{C}$ is | <p>A. <math>69^\circ</math></p> <p>B. <math>66^\circ</math></p> <p>C. <math>60^\circ</math></p> <p>D. <math>63^\circ</math></p>                                                         |
| 2  | For Cosine Rule of any triangle ABC, $b^2$ is equal to                                           | <p>A. <math>a^2 + c^2 - 2ac \cos A</math></p> <p>B. <math>a^2 + c^2 - 2ab \cos A</math></p> <p>C. <math>a^2 + c^2 - 2ac \cos B</math></p> <p>D. <math>a^2 + c^2 - 2bc \cos A</math></p> |
| 3  | Question Image                                                                                   |                                                                                                                                                                                         |
| 4  | Question Image                                                                                   |                                                                                                                                                                                         |
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19 Question Image

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- A. 0
- B. -1
- C.  $\frac{1}{2}$
- D. 1

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