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(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)VATIKA JALALI</b>
(33) Name of priority country	:NA	<b>2)MAYANK DEEP KHARE</b>
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(57) Abstract :

The present invention discloses a cloud-supported framework (100) for secure online examinations, comprising candidate devices (101), authentication module (102), cloud server (103), AI-based proctoring unit (104), encrypted question delivery (105), secure submission unit (106), and blockchain-inspired audit log (107). The system ensures secure candidate authentication, encrypted question distribution, real-time AI-enabled proctoring, immutable logging, and scalable cloud infrastructure. Experimental validation demonstrates enhanced security, fairness, scalability, and transparency in digital assessments, overcoming limitations of existing examination platforms.

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