

# BUSTA A

- 1 Il candidato descriva cosa sono IPV4 e IPV6 e le loro differenze.
- 2 Il candidato indichi quali sono i principali attacchi hacker e ne dia una breve descrizione
- 3 Il candidato descriva come individuare le ore lampada di un proiettore
- 4 Il candidato illustri le tipologie di microfoni utilizzati in una sala conferenze ed il loro utilizzo

ING

The National Research Council (CNR) is Italy's largest public research institution. It conducts research in a wide range of scientific fields, including physics, biology, chemistry, and environmental sciences. Founded in 1923, the CNR has played a crucial role in advancing knowledge and innovation in Italy. The CNR's mission is to promote the country's scientific and technological development. By working with universities, private companies, and government agencies, the CNR aims to address societal challenges and enhance Italy's competitiveness in global research.

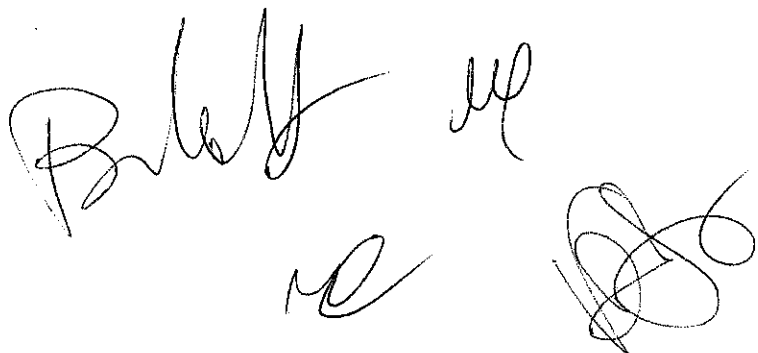
Four handwritten signatures in black ink. The top row contains three signatures: a stylized 'M', a signature that appears to be 'Baly', and a signature that appears to be 'ed'. The bottom row contains a single, larger signature that appears to be 'Baly'.

## BUSTA B

- 1 Il candidato indichi principali differenze tra server web Windows e server web Linux
- 2 Il candidato descriva cosa è una VPN e il suo utilizzo
- 3 Il candidato descriva e indichi le caratteristiche di una RallyBar (MeetUp)
- 4 Il candidato descriva cos'è la risoluzione di un segnale video, la sua importanza e le principali risoluzioni

ING

The research activities at the CNR are organized into different departments, each focusing on specific areas such as engineering, nanotechnology, and sustainable agriculture. These departments coordinate a network of institutes that carry out cutting-edge studies in their respective fields. "One of the CNR's main objectives is to foster international collaboration. Through joint projects with research institutions worldwide, the CNR contributes to global advancements in areas like climate change, renewable energy, and biomedical sciences.

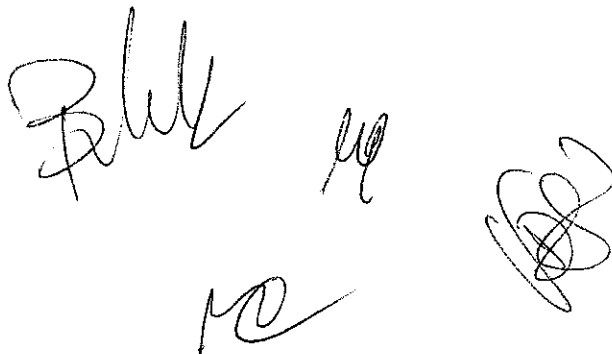
The block contains several handwritten signatures and initials in black ink. On the left, there is a large, stylized signature that appears to be 'P. B. V.'. To its right are the initials 'up'. Below the large signature are the initials 'no'. On the far right, there is a circular, scribbled signature.

## BUSTA C

- 1 Il candidato descriva cosa sono i protocolli HTTP e HTTPS , quali sono le differenze e quando utilizzarli
- 2 Il candidato descriva il Modello Architetturale Client/Server e il suo funzionamento
- 3 Il candidato descriva cosa è un microfono ambientale
- 4 Il candidato descriva cosa si intende per "matrice audio/video" , la sua funzione e utilizzo

ING

The CNR also emphasizes technology transfer, which involves turning scientific discoveries into practical applications. By collaborating with the private sector, the CNR seeks to transform research outcomes into products and services that benefit society and support economic growth. The CNR's initiatives also focus on public engagement, encouraging citizens to participate in scientific discourse. By promoting educational programs and science outreach, the CNR helps to raise awareness about critical issues, such as sustainability and environmental protection, while fostering a more informed society.



## BUSTA D

- 1 Il candidato descriva cosa si intende per indirizzo IP Pubblico e IP Privato, dove vengono utilizzati e i principali indirizzi IP Privati
- 2 Il candidato descriva cosa sono i linguaggi HTML e CSS e la loro funzione.
- 3 Il candidato descriva cosa è una LIM ed il suo utilizzo
- 4 Si considerino i seguenti tipi di schermo: classico telo bianco, Monitor LCD/LED e Wall LED. Il candidato descriva i vantaggi e gli svantaggi

**ING** The CNR has established numerous collaborations with European and international institutions. These partnerships help to pool resources and knowledge, allowing researchers to address global challenges, such as climate change, food security, and public health. One of the CNR's strategic priorities is to promote STEM (Science, Technology, Engineering, and Mathematics) education. By engaging young people in these fields, the CNR aims to build a skilled workforce that will contribute to Italy's future technological growth.

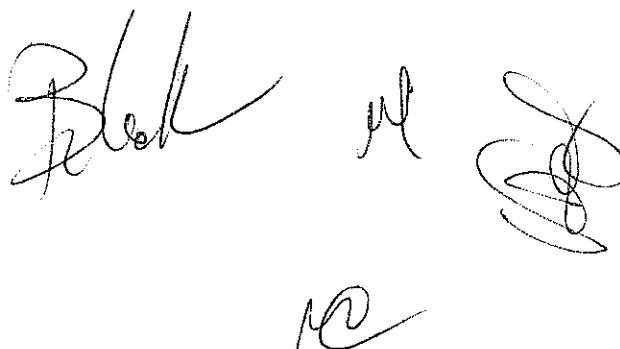


## BUSTA E

- 1 Il candidato indichi qual è la funzione dei seguenti comandi: PING , TRACEROUTE (TRACERT per Windows) e WHOIS
- 2 Il candidato descriva cosa si intende per IMAP e POP3 e le loro differenze
- 3 Il candidato descriva i principali connettori utilizzati in un impianto audio/video
- 4 Il candidato illustri la differenza tra diretta streaming e collegamento da remoto.

ING

The CNR operates a variety of specialized research centers across Italy. Each center focuses on a specific scientific area, ranging from environmental studies in the coastal regions to particle physics in advanced laboratories. This decentralized model allows for research that is both specialized and regionally relevant. The CNR places a strong emphasis on fostering innovation ecosystems through partnerships with industry and academia. By supporting start-ups and spin-off companies, the CNR plays a vital role in translating scientific research into economic growth and job creation across Italy.



# BUSTA F

- 1 Il candidato descriva cosa si intende per CMS e LMS
- 2 Il candidato indichi quali sono i principali protocolli internet ed il loro utilizzo
- 3 Il candidato descriva come risolverebbe un problema di "rimbombo" all'interno di un locale adibito a meeting
- 4 Il candidato illustri le principali piattaforme utilizzate per i collegamenti da remoto

**ING** The National Research Council (CNR) in Italy supports basic and applied research across a broad spectrum of disciplines. Its efforts are instrumental in promoting scientific excellence, ensuring the country remains at the forefront of innovation and scientific exploration. Through its extensive network, the CNR conducts interdisciplinary projects that combine scientific expertise from different fields. For example, collaborations in biotechnology and information technology have led to significant advancements in medical diagnostics and smart cities.

