

Prova Orale

A) Nozioni fondamentali di meccanica

- 1) Il candidato descriva il suo percorso di studi riguardo le nozioni di meccanica di base
- 2) Il candidato immagini alcune applicazioni delle nozioni di meccanica in ambito INFN

B) Lavorazioni meccaniche tramite l'utilizzo delle principali macchine utensili da officina sia tradizionali che a controllo numerico

- 1) Il candidato descriva la sua esperienza riguardo l'utilizzo delle principali macchine utensili da officina sia tradizionali che a controllo numerico
- 2) Il candidato descriva alcune applicazioni di macchine utensili da officina sia tradizionali che a controllo numerico che immagina in ambito INFN.

C) Circuiti elettrici elementari

- 1) Il candidato descriva il suo percorso di studi riguardo le nozioni di circuiti elettrici elementari
- 2) Il candidato immagini alcune applicazioni di circuiti elettrici elementari in ambito INFN

D) Nozioni di informatica

- 1) Il candidato descriva il suo percorso di studi riguardo le nozioni di informatica
- 2) Il candidato descriva alcune applicazioni di nozioni di informatica che immagina in ambito INFN

E) Testo in inglese da leggere e tradurre

- 1) Testo allegato a
- 2) Testo allegato b

u@v

pr

gs

ss

Allegato A

Personal safety

- a. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e. Do not over-reach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- h. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

GS AS Mr
W@V

Allegato B

Battery tool use and care

- a. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- c. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- d. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- e. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- f. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
- g. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

GS uov B807