

## Electrical key answer

### Text book

- 1- Water or heat can weaken adhesive joints. And no matter how tightly nuts are screwed or bolt, vibration can cause them to work loose overtime.
- 2- Navigation is the primary application and the associated application such as tracking systems you can use for monitoring delivery vehicles and finding stolen cars, man overboard button on boat.
- 3- The advantage of the covers that it stops the children from sticking things in. the disadvantage that if the mechanism is too sensitive, it makes it difficult to insert the plug, sometimes . and that makes it easy to damage.
- 4- It helps to reduce the risk of a collision between the cable and one of the many lumps of space debris.
- 5- The development of satisfactory input / output devices as the computer took over the data processing functions of tabulators, sorters, verifiers and interpreter.
- 6- The key factors are a- material characteristics (notably hardness, thermal and electrical properties. B- component thickness, component shape and complexity  
C- Required edge quality and production volume.
- 7- Water jets require few secondary operations, produce net-shaped parts with no heat- affected zone, heat distortion, or mechanical stresses caused by other cutting methods.
- 8- Through cutting it gets hot. And that can alter the prosperities of the metal around the cut; it also exerts shear forces near the cut.

#### B-

- 1- Metal bashing: a collective term for hammering, grinding, and generally making a lot of noise.
- 2- Guillotine: a big press makes a loud bang during shearing steel.

#### C-

- 1- Pins
- 2- Ridges
- 3- grooves

#### D-

- 1-Circular
- 2- rounded
- 3- Rectangular
- 4- cylindrical
- 5-linear
- 6- triangular

E-

1- Together

3 onto

2- each other

4- on / to

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### Grammar and structure

1- The pages are laid on the feeder tray by someone.

2- Less noisy.

3- Richard isn't as old as he looks

4- He's assured me of your ability

5- David is the same age as James.

B-

1-improve

2- Although

3- can't

4- increase

5- was created

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### Reading comprehension

1- Because doctors are working day and night for the sake of humanity.

2- It enables doctors to see inside our bodies and make them able to describe the illness and prescribe the right cure.

3- Doctors

B-

4- C

5- B

### IV- Writing a paragraph

Writing is assessed by the examiner.