

سؤال 34

تم حفظ الإجابة

علم السؤال

Makes drier concrete easier to
work with

Coarse aggregate

☐

Additives

☐

Plasticizer

☒

Fine aggregate

☐

سؤال 35

تم حفظ الإجابة

علم السؤال

At the point where current enters the grid, the electricity flows through transformers -specifically step-up transformers, which reduce its voltage and increase its amperage

صح



خطأ



سؤال 36

تم حفظ الإجابة

علم السؤال

The overall span is measured
.along the width of the bridge

صح

☐

خطأ

☒

سؤال 37

تم حفظ الإجابة

علم السؤال

General arrangement drawings
show whole devices or structures,
using a

- large scale ☐
- small scale ☒
- same size scale ☐
- all the previous ☐

سؤال 38

تم حفظ الإجابة

علم السؤال

Has this drawing been signed off?
?Can they work to it in the factory

صح

☐

خطأ

☒

سؤال 40

تم حفظ الإجابة

علم السؤال

The current is stepped
from a higher voltage to a lower
voltage, in stages

Down ☒

Up ☐

Up and down ☐

stay the same ☐

Question 2

Not yet answered

🚩 Flag question

If the length of a mechanical arm is specified as 30 cm plus or minus 0.6 cm, a rod of length 30.3 is considered as tolerance

Select one:

- ☐ tight
- ☐ outside
- ☒ within
- ☐ loose

Question 4

Not yet answered

🚩 Flag question

A 3D view, showing an assembly taken to pieces

Select one:

- ☐ Plan
- ☐ Section
- ☐ Elevation
- ☐ Exploded view

Question 5

Not yet answered

 Flag question

..... converts mechanical energy to electrical energy

Select one:

- ☐ Batteries
- ☒ A generator
- ☐ Photovoltaic
- ☐ A motor

Question 6

Not yet answered

 Flag question

A pump used to increase the pressure of gas is called a

.....

Select one:

- ☐ boiler
- ☐ fan
- ☒ compressor
- ☐ turbine

Question 7

Not yet answered

🚩 Flag question

GA is shortened for

Select one:

- ☐ General assembly
- ☐ General alignment
- ☐ General aid
- ☐ General arrangement

Question 8

Not yet answered

🚩 Flag question

A 3D view, with the 2D face of the object at the front

Select one:

- ☒ an oblique projection
- ☐ a plan
- ☐ a section
- ☐ an isometric projection

Question 9

Not yet answered

🚩 Flag question

Examples of thermosets synthetic polymers used in engineering are

Select one:

- ☐ ABS
- ☒ Epoxy resins
- ☐ Polycarbonate
- ☐ PVC

Question **10**

Not yet answered

 Flag question

Murphy's Law,

Select one:

- ☐ No surprises in life
- ☐ All things will always go well
- ☐ Anything that can go wrong will
- ☐ None of the above

Question 11

Not yet answered

 Flag question

..... gear does not have a fixed number of gear wheels so the gear ratio can be adjusted continuously.

Select one:

- ☐ manual
- ☐ automatic
- ☒ CVT
- ☐ bike

Question **14**

Not yet answered

🚩 Flag question

a circuit that can be populated with a large number of components

Select one:

- ☐ Printed
- ☐ Integrated
- ☒ Parallel
- ☐ Power

Question **15**

Not yet answered

 Flag question

The technical term for a twisting force is

Select one:

- ☐ bending
- ☐ shear
- ☐ tension
- ☒ torsion

Question 17

Not yet answered

🚩 Flag question

The distance crossed by a bridge between its supports is called

Select one:

- ☐ Height
- ☐ Plum
- ☐ Length
- ☒ Span

Question 18

Not yet answered

🚩 Flag question

Most of the time, carefully designed system car has significant capacity

Select one:

- ☐ ac supply
- ☐ insufficient
- ☐ peak
- ☒ spare

Question 19

Not yet answered

🚩 Flag question

..... is a historic measured of power

Select one:

- ☒ Horsepower
- ☐ Horse-strength
- ☐ Joule
- ☐ Watt

Question 20

Not yet answered

🚩 Flag question

A truss contains two types of member, that resist compression and

Select one:

- ☐ moment
- ☐ shear
- ☐ torsion
- ☒ tension

Question 21

Not yet answered

 Flag question

Carbon is a metallic material

Select one:

☐

True

☐

False

Question **22**

Not yet answered

 Flag question

Self-tapping screws require
predrilled holes.

Select one:

☐ True

☒ False

Question **23**

Not yet answered

 Flag question

A generator converts mechanical energy to electrical energy.

Select one:

☐

True

☐

False

Question **25**

Not yet answered

 Flag question

A blueprinted engine is built to fit together very precisely.

Select one:

☐

True

☐

False

Question **26**

Not yet answered

 Flag question

During the compression stage of an internal combustion cycle, the piston moves downwards.

Select one:

☐ True

☒ False

Question **28**

Not yet answered

 Flag question

For cost reasons,
components should be
overdesigned.

Select one:

☐ True

☒ False

Question **29**

Not yet answered

 Flag question

Circuit breakers does not allow circuits to be switched off manually

Select one:

☐ True

☒ False

Question **30**

Not yet answered

 Flag question

A joint which does not flex is called a rigid joint

Select one:

☒ True

☐ False

Question **31**

Not yet answered

 Flag question

The failure of Structural member or component under tension will cause it to shear

Select one:

☐ True

☐ False

Question 32

Not yet answered

 Flag question

A drawing scale is the size of items on the drawing in relation to their real size.

Select one:

☒ True

☐ False

Question **33**

Not yet answered

 Flag question

In everyday English, fluid usually means a liquid.

Select one:

☐

True

☐

False

Question **34**

Not yet answered

 Flag question

According to a law called Young's Modulus of Elasticity, stress is proportional to strain.

Select one:

☒

True

☐

False

Question **35**

Not yet answered

 Flag question

2D is shortened for two directions

Select one:

☐ True

☐ False

Question **36**

Not yet answered

 Flag question

Photovoltaic cells produce alternating current.

Select one:

☐ True

☒ False

Question **37**

Not yet answered

 Flag question

Section is the short form of cross-section.

Select one:

☐

True

☐

False

Question **39**

Not yet answered

 Flag question

Inverters convert sunlight to direct current.

Select one:

☐ True

☐ False

Question **24**

Not yet answered

 Flag question

Minerals can be metallic or non-metallic

Select one:

☒ True

☐ False

سؤال 39

تم حفظ الإجابة

علم السؤال

Sometimes, there's insufficient output heat so it can't be recycled

صح



خطأ



Question 3

Not yet answered

 Flag question

Solar system is considered efficient because they do not use

Select one:

- ☐ engines
- ☒ diesel
- ☐ transformers
- ☐ ac supply

A lot of heat is generated in this part of the process, and all of that output is recycled, so it's quite an efficient system.

Select one:



True



False

We don't need dimensions and positions at this stage. We just need a showing how many branches come off the main supply pipe.

Select one:

- ☐ concept
- ☐ design brief
- ☐ design solution
- ☒ sketch

..... states that
'Anything that can go wrong,
will

Select one:

- ☐ Specifications
- ☐ Murphy's Law
- ☐ Belt and braces
- ☒ Worse-case scenarios

A plastic that sets permanently

Select one:

- ☐ ABS
- ☐ Polycarbonate
- ☒ Epoxy resins
- ☐ PVC

Mild steel contains more iron than high carbon steel.

Select one:



True



False

Enlarged drawings show components larger than their

.....

Select one:

- ☐ scale
- ☒ actual size
- ☐ schematics
- ☐ general arrangement

A process of protecting aluminum is called

Select one:

- ☐ anodizing
- ☐ hot-dipping
- ☒ galvanizing
- ☐ painting

The curve in the motorway has a constant radius, so the inside and outside edges of the road are arcs of two concentric circles that have the same centre.

Select one:

☒ True

☐ False

A rubber is made from latex,
a natural polymer which
comes from rubber trees.

Select one:



True



False

Carbon steels contains a good percentage of alloying metals.

Select one:



True



False