

سؤال 21

لم يتم الإجابة

علم السؤال

If a surface is described as being
level

It is both horizontal and flat ☒

It is both plum and flat ☐

It is both plum and smooth ☐

None of the above ☐

سؤال 22

لم يتم الإجابة

علم السؤال

Worm gears provide two-way drive
.unlike helical gears

صح ☐

خطأ ☒

سؤال 23

لم يتم الإجابة

علم السؤال

In bending - it will crush on the side
.....which is in

compression ☒

shear ☐

torsion ☐

tension ☐

سؤال 24

لم يتم الإجابة

علم السؤال

The difference between live and neutral is that conductors on the neutral side of appliances are earthed

صح ☒

خطأ ☐

سؤال 25

لم يتم الإجابة

علم السؤال

Machine screws are small-diameter bolts with nuts or screwed into threaded holes.

صح ☒

خطأ ☐

سؤال 26

لم يتم الإجابة

علم السؤال

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

spare ☒

insufficient ☐

ac supply ☐

peak ☐

سؤال 27

لم يتم الإجابة

علم السؤال

The practice of overdesigning components can be described as the
Murphy's law

صح ☐

خطأ ☒

سؤال 28

لم يتم الإجابة

علم السؤال

Control systems use
from sensors to control devices
automatically

Feedforward ☐

Logic gates ☐

Feedback ☒

Integrated ☐

سؤال 29

لم يتم الإجابة

علم السؤال

Usually, ... is fitted to each circuit. This is a safety switch that switches off automatically if there

Feedback ☐

Logic gates ☐

Feedback ☐

a circuit-breaker ☒

سؤال 30

لم يتم الإجابة

علم السؤال

When timber is inspected by a person who looks for weaknesses, it is mechanically stress-graded of grain and knots, remains intact

صح



خطأ



سؤال 31

لم يتم الإجابة

علم السؤال 

a 2:1 gear ratio means higher speed
in the driveshaft when compared to
.the output shaft speed

صح ☒

خطأ ☐

سؤال 32

لم يتم الإجابة

علم السؤال

Welding means temporary joining two pieces of material by heating the joint between them

صح

خطأ



سؤال 33

لم يتم الإجابة

علم السؤال

The tops of the towers are at different levels, so a horizontal plane striking the top of one tower will not strike the tops of all the others.

صح ☒

خطأ ☐

سؤال 34

لم يتم الإجابة

علم السؤال 

A generator converts mechanical
.energy to electrical energy

صح ☒

خطأ ☐

سؤال 35

لم يتم الإجابة

علم السؤال

If there is too much clearance, there
.will be too much play

صح ☒

خطأ ☐

سؤال 36

لم يتم الإجابة

علم السؤال

Photovoltaic cells produce alternating
.current

صح ☐

خطأ ☒

سؤال 38

لم يتم الإجابة

علم السؤال

A circuit which allows different components to be controlled independently by separate switches is in Parallel

صح ☒

خطأ ☐

سؤال 40

لم يتم الإجابة

علم السؤال

,Murphy's Law

No surprises in life ☐

All things will always go well ☐

Anything that can go wrong ☒

will

None of the above ☐

سؤال 39

لم يتم الإجابة

علم السؤال

heat is measured in

Joules ☐

Watt ☐

Fahrenheit ☒

Celsius ☐

سؤال 1

تم حفظ الإجابة

علم السؤال

The teeth of the drive gear
..... with those of the follower

interlock

☐

mesh together

☐

fit together

☐

all previous answers

☒

سؤال 2

تم حفظ الإجابة

علم السؤال

Net producers of power, consume
.more electricity than they produce

صح ☐

خطأ ☒

سؤال 3

تم حفظ الإجابة

علم السؤال

A description of design objectives

preliminary drawing ☐

concept ☐

sketch ☐

design brief ☒

سؤال 4

تم حفظ الإجابة

علم السؤال

A load that never changes, such as the self-weight of a structure ((its own weight

Dynamic load ☐

Static load ☒

Live load ☐

Dead load ☐

سؤال 5

تم حفظ الإجابة

علم السؤال

The difference between live and neutral is that conductors on the neutral side of appliances are earthed

صح ☒

خطأ ☐

سؤال 6

تم حفظ الإجابة

علم السؤال

In every day English, motor usually
..... means

Diesel engine ☐

petrol engine ☐

electric motor ☐

all previous answers ☒

سؤال 7

تم حفظ الإجابة

علم السؤال

deceleration is measured in

.....

m/s^2 ☒

m^2/s ☐

m/s ☐

m^3/s ☐

سؤال 8

تم حفظ الإجابة

علم السؤال

Resistance to acceleration or deceleration, due to the mass of an object, is called inertia

صح ☒

خطأ ☐

سؤال 9

تم حفظ الإجابة

علم السؤال

Control systems use from sensors to control devices automatically

Feedback ☒

Logic gates ☐

Feedforward ☐

Integrated ☐

سؤال 12

تم حفظ الإجابة

علم السؤال

When the loads and reactions acting on a member are not equal, we say it is in equilibrium

صح ☐

خطأ ☒

سؤال 14

تم حفظ الإجابة

علم السؤال

Compounds consist of two or more elements that are chemically bound.

صح



خطأ



سؤال 15

تم حفظ الإجابة

علم السؤال

Wastewater from different smaller
..... pipes flows into the larger

drain

☐

sewer

☐

mains

☐

pipeline

☒

سؤال 16

تم حفظ الإجابة

علم السؤال

a natural polymer

Plastics

☐

Rubber

☒

Elastomers

☐

Polyimides

☐

سؤال 17

تم حفظ الإجابة

علم السؤال



Sizing components means
.calculating their dimensions

صح



خطأ



سؤال 18

تم حفظ الإجابة

علم السؤال

Circuit breakers does not allow
circuits to be switched off
manually

صح

☐

خطأ

☒

سؤال 19

تم حفظ الإجابة

علم السؤال

is a precious metal

Aluminum ☐

Copper ☐

Iron ☐

Silver ☒

سؤال 20

تم حفظ الإجابة

علم السؤال

Chromium and nickel are used as
alloying metals in steel

☒ صح

☐ خطأ

سؤال 13

تم حفظ الإجابة

علم السؤال

Both gridline 'A' and the gridline 'C'
'are at a right angle to gridline '10

صح



خطأ



سؤال 21

تم حفظ الإجابة

علم السؤال

When vertical members can no longer resist a load they either crush or

fracture ☐

buckle ☒

sag ☐

squash ☐

سؤال 22

تم حفظ الإجابة

علم السؤال

Minerals can be found in rocks

صح ☒

خطأ ☐

سؤال 23

تم حفظ الإجابة

علم السؤال

By adding cross-members, a frame
is

pin-jointed

☐

moment connection

☐

braced

☒

flex

☐

سؤال 24

تم حفظ الإجابة

علم السؤال

Hardwood usually come from deciduous trees, which lose their leaves in autumn

صح ☒

خطأ ☐

سؤال 25

تم حفظ الإجابة

علم السؤال

Drains are underground pipes that
carry waste water

صح



خطأ



سؤال 26

تم حفظ الإجابة

علم السؤال

allows larger pipes to be
bolted together end to end

A reducer ☐

An union ☐

A flange ☐

A cross ☒

سؤال 27

تم حفظ الإجابة

علم السؤال

The advantage of toughened glass is that it can withstand impacts from small objects, such as flying stones

صح ☐

خطأ ☒

سؤال 28

تم حفظ الإجابة

علم السؤال

.Silicon is a non-metallic material

صح ☒

خطأ ☐

سؤال 29

تم حفظ الإجابة

علم السؤال

Construction can't start until the first current drawings have been issued.

صح ☐

خطأ ☒

سؤال 30

تم حفظ الإجابة

علم السؤال

The cost limits that must not be exceeded, in order to make the design cost-effective is called

Budget ☒

Feature ☐

Design ☐

constraint ☐

سؤال 31

تم حفظ الإجابة

علم السؤال

As an engine produces a
– rotate force- the moving parts of
the machine it is driving will
produce resistance

torque ☐

horsepower ☐

thrust ☐

couple ☒

سؤال 32

تم حفظ الإجابة

علم السؤال

Effective structural capability of
concrete is

day strength-28 ☒

day strength-8 ☐

day strength-38 ☐

day strength-18 ☐

سؤال 33

تم حفظ الإجابة

علم السؤال

If an object is in motion and is subjected to an opposing force the object will accelerate

صح ☒

خطأ ☐