

Question **3**

Correct

Mark 1 out of 1

Flag question

Two circles have the same center, they are

Select one:

- ☒ concentric 
- ☐ crown and invert
- ☐ intersection with each other
- ☐ parallel

The correct answer is: concentric

Question **4**

Correct

Mark 1 out of 1

Remove flag

The elements that make up a compound are not chemically bound.

Select one:



Question 2

Correct

Mark 1 out of 1

Flag question

Sometimes called shuttering

Select one:

- ☐ Prestressed
- ☐ Frame-cast
- ☐ formen
- ☒ formwork



The correct answer is: formwork

Question 3

Correct

Mark 1 out of 1

Flag question



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Question **6**

Correct

Mark 1 out of 1

 Remove flag

Is the proportion of cement, fine aggregate and coarse aggregate

Select one:

- ☐ part cement
- ☐ water-cement ratio
- ☒ mix design
- ☐ plasticizer



The correct answer is: mix design

Question **7**

Correct

Mark 1 out of 1

 Remove flag

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

Question **5**

Correct

Mark 1 out of 1

 Remove flag

when the tyre is compressed against the road surface, it is deformed.

Select one:

☒ True 

☐ False

The correct answer is 'True'.

Question **6**

Correct

Mark 1 out of 1

 Remove flag

Is the proportion of cement, fine aggregate and coarse aggregate

Select one:

☐ part cement

Question **4**

Correct

Mark 1 out of 1

Remove flag

The elements that make up a compound are not chemically bound.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **5**

Correct

Mark 1 out of 1

Remove flag

when the tyre is compressed against the road surface, it is deformed.

Select one:

- ☒ True ✓
- ☐ False

Question **9**

Correct

Mark 1 out of 1

 Flag question

limits on the design such as its size and weight are always

Select one:

- ☐ feature
- ☒ design constrains 
- ☐ function
- ☐ budget

The correct answer is: design constrains

Question **10**

Correct

Mark 1 out of 1

 Remove flag

In an alloy, an alloying metal is the smallest constituent, by percentage.

Question 8

Correct

Mark 1 out of 1

Flag question

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

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 9

Correct

Mark 1 out of 1

Flag question

limits on the design such as its size and weight are always

Select one:

- ☐ feature
- ☒ design constrains ✓

Question 7

Correct

Mark 1 out of 1

 Remove flag

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

Select one:

- ☐ True
- ☒ False 

The correct answer is 'False'.

Question 8

Correct

Mark 1 out of 1

 Flag question

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

Select one:

Question **12**

Correct

Mark 1 out of 1

 Remove flag

A working drawing- that is, one that the production or construction team can work to.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **13**

Correct

Mark 1 out of 1

 Flag question

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

Question 11

Correct

Mark 1 out of 1

Flag question

For most engineering and architectural uses, annealed glass is unsuitable.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 12

Correct

Mark 1 out of 1

Remove flag

A working drawing- that is one that the

Question **10**

Correct

Mark 1 out of 1

 Remove flag

In an alloy, an alloying metal is the smallest constituent, by percentage.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **11**

Correct

Mark 1 out of 1

 Flag question

For most engineering and architectural uses, annealed glass is unsuitable.

Select one:

☒ True ✓

☐ False

Question 15

Correct

Mark 1 out of 1

Flag question

The shaft will shorten and narrow slightly as it cools, thus, It'll expand

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 16

Correct

Mark 1 out of 1

Flag question

Carbon is a

Select one:

- ☐ a mixture
- ☒ a non-Metal ✓
- ☐ an alloy

Question 14

Correct

Mark 1 out of 1

Flag question

3D view, with one face of the object at the front:

Select one:

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

The correct answer is: an oblique projection

Question 15

Correct

Mark 1 out of 1

Flag question

The shaft will shorten and narrow slightly as it cools, thus, It'll expand

Question 13

Correct

Mark 1 out of 1

Flag question

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:

- ☐ design brief
- ☒ schematic
- ☐ concept
- ☐ design solution



The correct answer is: schematic

Question 14

Correct

Mark 1 out of 1

Flag question

3D view. with one face of the object at the

Question **18**

Correct

Mark 1 out of 1

Flag question

Rocks can be mixtures of several minerals, and may also contain previously organic material.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **19**

Correct

Mark 1 out of 1

Flag question

Iron is

Select one:

- ☐ a composite
- ☐ a Compound

Question **17**

Correct

Mark 1 out of 1

Flag question

Copper can be mixed with tin to produce brass.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **18**

Correct

Mark 1 out of 1

Flag question

Rocks can be mixtures of several minerals, and may also contain previously organic material.

Select one:

- ☒ True ✓

Question **16**

Correct

Mark 1 out of 1

Flag question

Carbon is a

Select one:

- ☐ a mixture
- ☒ a non-Metal
- ☐ an alloy
- ☐ a ferrous metal



The correct answer is: a non-Metal

Question **17**

Correct

Mark 1 out of 1

Flag question

Copper can be mixed with tin to produce brass.

Select one:

- ☐ True

Question **21**

Incorrect

Mark 0 out of 1

 Remove flag

Car windscreens are made by bonding glass to a polymer, such as PVB, to form a type safety glass.

Select one:

- ☐ True
- ☒ False 

The correct answer is 'True'.

Question **22**

Correct

Mark 1 out of 1

 Flag question

The practice of overdesigning components can be described as the approach

Select one:

Question **20**

Incorrect

Mark 0 out of 1

Flag question

These polymers can be recycled

Select one:

- ☐ Thermosets
- ☐ Thermoplastics
- ☐ epoxy
- ☒ All polymers



The correct answer is: Thermoplastics

Question **21**

Incorrect

Mark 0 out of 1

Remove flag

Car windscreens are made by bonding glass to a polymer, such as PVB, to form a type safety glass.

Select one:

Question **19**

Correct

Mark 1 out of 1

Flag question

Iron is

Select one:

- ☐ a composite
- ☐ a Compound
- ☒ an element
- ☐ an alloy



The correct answer is: an element

Question **20**

Incorrect

Mark 0 out of 1

Flag question

These polymers can be recycled

Select one:

- ☐ Thermosets

Question **24**

Correct

Mark 1 out of 1

🚩 Remove flag

The thickness of each tower decreases towards the top, so the faces of the towers are out of plumb .

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **25**

Correct

Mark 1 out of 1

🚩 Flag question

Copper is a

Question 23

Correct

Mark 1 out of 1

Flag question

Sand used in concrete is

Select one:

- ☒ Fine aggregate
- ☐ Cement
- ☐ Batching
- ☐ Coarse aggregate



The correct answer is: Fine aggregate

Question 24

Correct

Mark 1 out of 1

Remove flag

The thickness of each tower decreases towards the top, so the faces of the towers are out of plumb .

Select one:

- ☒ True

Question 22

Correct

Mark 1 out of 1

Flag question

The practice of overdesigning components can be described as the approach

Select one:

- ☐ worse-case scenarios
- ☐ specifications
- ☐ factor of safety
- ☒ belt and braces



The correct answer is: belt and braces

Question 23

Correct

Mark 1 out of 1

Flag question

Sand used in concrete is

Question **27**

Correct

Mark 1 out of 1

 Remove flag

High carbon steel contains more iron than mild steel

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **28**

Incorrect

Mark 0 out of 1

 Remove flag

The bolt will have to turn in the hole, it needs ----- fit

- ☐ a clearance
- ☒ an interference



Question **26**

Correct

Mark 1 out of 1

 Remove flag

Function is the product intended use.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **27**

Correct

Mark 1 out of 1

 Remove flag

High carbon steel contains more iron than mild steel

Select one:

☐ True

☒ False ✓

Question **25**

Correct

Mark 1 out of 1

Flag question

Copper is a

Select one:

- ☐ non-metal
- ☒ non-ferrous
- ☐ compound
- ☐ ferrous



The correct answer is: non-ferrous

Question **26**

Correct

Mark 1 out of 1

Remove flag

Function is the product intended use.

Select one:

- ☒ True

Question **30**

Correct

Mark 1 out of 1

 Remove flag

Circumference is the distance travelled by the vehicle each time its wheel turns completely

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **31**

Correct

Mark 1 out of 1

 Flag question

a 1:2:4 mix consists of one part cement, two parts fine aggregate and four parts of plasticizer.

Select one:

- ☐ True

Question **29**

Correct

Mark 1 out of 1

 Remove flag

Sometimes, precast concrete is also prestressed.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **30**

Correct

Mark 1 out of 1

 Remove flag

Circumference is the distance travelled by the vehicle each time its wheel turns completely

Select one:

- ☒ True ✓

Question **28**

Incorrect

Mark 0 out of 1

 Remove flag

The bolt will have to turn in the hole, it needs ----- fit

- ☐ a clearance
- ☒ an interference
- ☐ an inaccurate
- ☐ a loose



The correct answer is: a clearance

Question **29**

Correct

Mark 1 out of 1

 Remove flag

Sometimes, precast concrete is also prestressed.

Select one:

Question **33**

Correct

Mark 1 out of 1

Flag question

Please mark the hole by using a line that run at a right-angle to centerline- you will ----- the centerline.

Select one:

- ☐ set out
- ☒ square off
- ☐ locate
- ☐ establish



The correct answer is: square off

Question **34**

Correct

Mark 1 out of 1

Remove flag

The bolt won't fit tightly enough in the hole, so it will bind.

Question **32**

Incorrect

Mark 0 out of 1

 Remove flag

When concrete is cast at a factory, it is called.....

Select one:

- ☒ in-situ concrete 
- ☐ Reinforced concrete
- ☐ Fine aggregate
- ☐ Precast concrete

The correct answer is: Precast concrete

Question **33**

Correct

Mark 1 out of 1

 Flag question

Please mark the hole by using a line that run at a right-angle to centerline- you will ----
----- the centerline.

Question **31**

Correct

Mark 1 out of 1

Flag question

a 1:2:4 mix consists of one part cement, two parts fine aggregate and four parts of plasticizer.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **32**

Incorrect

Mark 0 out of 1

Remove flag

When concrete is cast at a factory, it is called.....

Select one:

- ☐ in-situ concrete



Question **36**

Correct

Mark 1 out of 1

Flag question

Clay can also be vitrified to make -----
pipes.

Select one:

- ☒ waterproof
- ☐ sheet
- ☐ ore
- ☐ kiln



The correct answer is: waterproof

Question **37**

Correct

Mark 1 out of 1

Remove flag

Question **35**

Correct

Mark 1 out of 1

Flag question

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

Select one:

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



The correct answer is: Murphy's Law

Question **36**

Correct

Mark 1 out of 1

Flag question

Clay can also be vitrified to make ----- pipes.

Question **34**

Correct

Mark 1 out of 1

 Remove flag

The bolt won't fit tightly enough in the hole, so it will bind.

Select one:

- ☐ True
- ☒ False 

The correct answer is 'False'.

Question **35**

Correct

Mark 1 out of 1

 Flag question

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

Select one:

- ☐ Belt and braces
- ☐ Worse-case scenarios

Question **39**

Correct

Mark 1 out of 1

Flag question

Shape is round – outside edge are perfectly.....

- ☐ diamete
- ☐ chord
- ☒ circular
- ☐ radius



The correct answer is: circular

Question **40**

Correct

Mark 1 out of 1

Remove flag

An unacceptable deviation

Select one:

- ☒ Outside tolerance



Question **38**

Correct

Mark 1 out of 1

Flag question

Anodizing is a process of protecting

Select one:

- ☐ steel
- ☒ aluminum
- ☐ copper
- ☐ iron



The correct answer is: aluminum

Question **39**

Correct

Mark 1 out of 1

Flag question

Shape is round – outside edge are perfectly.....

- ☐ diamete

Question **37**

Correct

Mark 1 out of 1

 Remove flag

Go back to the drawing board means the design is finished.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **38**

Correct

Mark 1 out of 1

 Flag question

Anodizing is a process of protecting

Select one:

- ☐ steel
- ☒ aluminum ✓

-----of the tyre is measured from the centre of the wheel to the outside edge of the tyre.

Select one:

- ☐ the bore
- ☐ the diameter
- ☐ the circumference
- ☒ the radius



The correct answer is: the radius

Question 38

Correct

Mark 1 out of 1

Flag question

In an alloy, an alloying metal is the smallest constituent, by percentage.

Select one:

- ☒ True
- ☐ False

The correct answer is 'True'.

Question **39**

Incorrect

Mark 0 out of 1

Flag question

water-cement ratio - the amount of water and sand added relative to the amount of cement

Select one:

☒ True **×**☐ False

The correct answer is 'False'.

Question **40**

Correct

Mark 1 out of 1

Flag question

Clay can also be vitrified to make ----- pipes.

Select one:

☒ circular



☐ radius

The correct answer is: circular

Question **40**

Correct

Mark 1 out of 1

Remove flag

An unacceptable deviation

Select one:

☒ Outside tolerance



☐ Within tolerance

☐ Variation

☐ Range

The correct answer is: Outside tolerance

[Finish review](#)

A tool made of steel containing cobalt is used to cut

Select one:

- ☐ soft material
- ☐ mild material
- ☐ none of the answers
- ☒ hard material



The correct answer is: hard material

Question **34**

Correct

Mark 1 out of 1

🚩 Flag question

Whether an object is on earth - where it is subjected to gravity - or floating weightless in space, its mass is always different

Select one:

- ☐ True
- ☒ False



In physics and in engineering, grams and kilograms are units of

- ☐ weight
- ☒ mass
- ☐ volume
- ☐ density



The correct answer is: mass

Question **36**

Correct

Mark 1 out of 1

🚩 Flag question

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

Select one:

- ☐ True
- ☒ False



The correct answer is 'False'.



Mark 1 out of 1

Flag question

The tolerance range is relatively strict and small so it is -----

Select one:

- ☐ Outside tolerance
- ☐ Loose tolerance
- ☒ Tight tolerance
- ☐ Within tolerance



The correct answer is: Tight tolerance

Question **2**

Correct

Mark 1 out of 1

Flag question

Go back to the drawing board means the design is finished.

Select one:

Question **3**

Correct

Mark 1 out of 1

 Flag question

Most drawing produced on computers
using..... software

Select one:

- ☐ plan
- ☐ schematic
- ☐ general arrangment
- ☒ CAD



The correct answer is: CAD

Question **4**

Correct

Mark 1 out of 1

 Flag question

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

Select one:

Ceramic materials are used to make construction materials such as bricks.

Select one:

- ☐ True
- ☒ False ❌

The correct answer is 'True'.

Question **20**

Correct

Mark 1 out of 1

🚩 Flag question

Diamond, an extremely hard form of carbon

Select one:

- ☒ True ✔️
- ☐ False

The correct answer is 'True'.

Question **21**

Correct

Mark 1 out of 1

An unacceptable deviation

Select one:

- ☐ Within tolerance
- ☐ Range
- ☐ Variation
- ☒ Outside tolerance



The correct answer is: Outside tolerance

Question **10**

Incorrect

Mark 0 out of 1

🚩 Flag question

structural strength is reached after -----

-

Select one:

- ☒ 38-day strength
- ☐ 18-day strength
- ☐ 8-day strength
- ☐ 28-day strength



The correct answer is: 28-day strength

These polymers can be recycled

Select one:

- ☐ Thermosets
- ☐ Thermoplastics
- ☒ epoxy
- ☐ All polymers



The correct answer is: Thermoplastics

Question 8

Correct

Mark 1 out of 1

Flag question

The outside diameter minus the bore equals the diameter of the inner circle

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

For cost reasons, components should be oversized.

Select one:

☒ True ✖

☐ False

The correct answer is 'False'.

Question **6**

Correct

Mark 1 out of 1

🚩 Flag question

Alloys can contain only non-metallic constituents.

Select one:

☐ True

☒ False ✔

The correct answer is 'False'.

Question **7**

Tolerance is unacceptable variation in precision

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **16**

Correct

Mark 1 out of 1

🚩 Flag question

Rocks can be mixtures of several minerals, and may also contain previously organic material.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **17**

But as drier concrete is more difficult to work with, an additive called a -----is used.

Select one:

- ☒ Batching
- ☐ Fine aggregate
- ☐ Plasticizer
- ☐ Coarse aggregate



The correct answer is: Plasticizer

Question 14

Correct

Mark 1 out of 1

Flag question

Circumference is the distance travelled by the vehicle each time its wheel turns completely

Select one:

- ☒ True ✓
- ☐ False



3D view, with one face of the object at the front:

Select one:

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



The correct answer is: an oblique projection

Question 12

Correct

Mark 1 out of 1

Flag question

a description of design objectives

Select one:

- ☐ Sketch
- ☐ Preliminary drawing
- ☐ Concept
- ☒ Design brief





A working drawing- that is, one that the production or construction team can work to.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **24**

Correct

Mark 1 out of 1

🚩 Flag question

Please mark the hole by using a line that run at a right-angle to centerline- you will ----- the centerline.

Select one:

- ☒ square off ✓
- ☐ locate
- ☐ set out
- ☐ establish

The greatest thickness of each tower is its external thickness at its base.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **22**

Incorrect

Mark 0 out of 1

🚩 Flag question

To pass one of the quality tests, the plastic must be an elastomer.

Select one:

- ☒ True ✗
- ☐ False

The correct answer is 'False'.

Question **23**



A working drawing- that is, one that the production or construction team can work to.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **24**

Correct

Mark 1 out of 1

Flag question

Please mark the hole by using a line that run at a right-angle to centerline- you will ----- the centerline.

Select one:

- ☒ square off ✓
- ☐ locate
- ☐ set out
- ☐ establish



The bolt will have to turn in the hole, it needs ----- fit

- ☐ an inaccurate
- ☒ a clearance
- ☐ an interference
- ☐ a loose



The correct answer is: a clearance

Question **30**

Correct

Mark 1 out of 1

🚩 Flag question

The average of power consumption -the amount that's being consumed at a particular moment-

Select one:

- ☐ True
- ☒ False

Stainless steel contains nickel as metal

Select one:

- ☐ a matrix
- ☐ a reinforcing
- ☐ an additive
- ☒ an alloying



The correct answer is: an alloying

Question **26**

Correct

Mark 1 out of 1

🚩 Flag question

The height of the towers is measured horizontally.

Select one:

- ☐ True
- ☒ False



The correct answer is 'False'.



.....consists of short chains of atoms which form small molecules except

Select one:

- ☐ Iron oxide
- ☐ Plastic
- ☐ Steel
- ☒ Water



The correct answer is: Plastic

Question **18**

Correct

Mark 1 out of 1

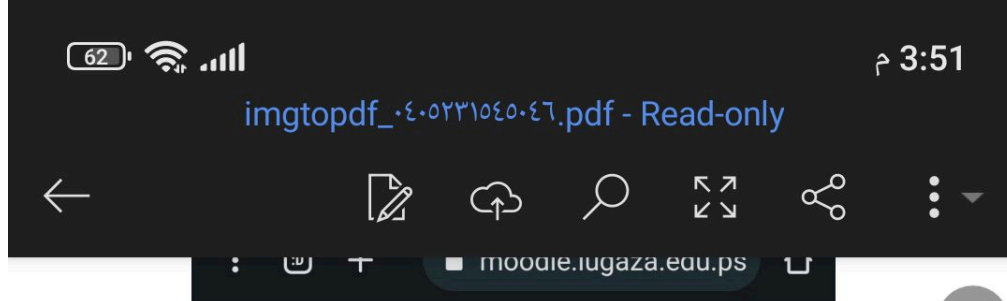
🚩 Flag question

Water can be categorized as

Select one:

- ☐ an alloy
- ☐ a mixture
- ☒ a compound
- ☐ an element





Remove flag

The practice of overdesigning components can be described as the approach

Select one:

- ☐ factor of safety
- ☐ worse-case scenarios
- ☐ belt and braces
- ☒ specifications

The correct answer is: belt and braces

Question 21

Correct

Mark 1 out of 1

Flag question

Rusty iron is a problem as the layer of oxide progressively comes off the metal

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Mark 1 out of 1

Flag question

Carbon is a

Select one:

2 of 50

Rusty iron is a problem as the layer of oxide progressively comes off the metal

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 22

Correct

Mark 1 out of 1

Remove flag

limits on the design such as its size and weight are always

Select one:

☐ budget

☐ feature

☒ design constraints ✓

☐ function

The correct answer is: design constraints

Remove flag

The practice of overdesigning components can be described as the approach

Select one:

Flag question

Is the proportion of cement, fine aggregate and coarse aggregate

Select one:

- ☐ water-cement ratio
- ☒ plasticizer
- ☐ mix design
- ☐ part cement



The correct answer is: mix design

Question **28**

Correct

Mark 1 out of 1

Flag question

In electroplating, the steel component is connected to the negative terminal.

Select one:

- ☒ True ✓
- ☐ False



Go back to the drawing board means the design is finished.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 16

Incorrect

Mark 0 out of 1

Flag question

These polymers can be recycled

Select one:

- ☐ Thermosets
- ☐ Thermoplastics
- ☒ epoxy ✗
- ☐ All polymers

The correct answer is: Thermoplastics

Question 17

Nickel is added to steel to make it harder.

Select one:

- ☒ True ✗



Element can be metallic or non-metallic

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 18

Correct

Mark 1 out of 1

Flag question

A rough, hand-drawn illustration is a sketch.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question 19

Correct

Mark 1 out of 1

Go back to the drawing board means the design is finished.

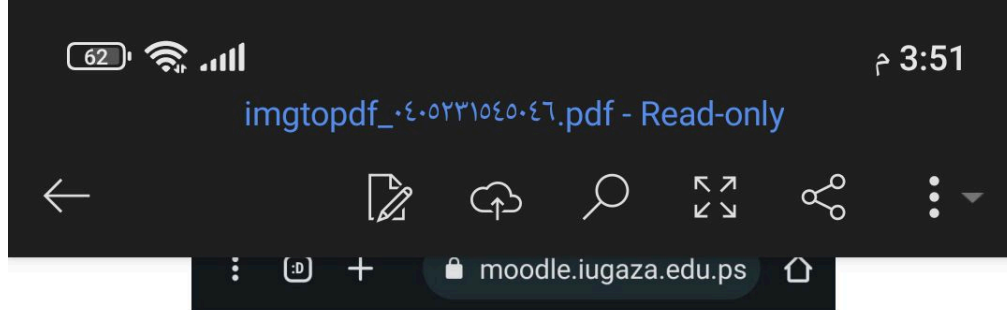
Select one:

☐ True

☒ False ✓

4 of 50

The correct answer is 'False'.



Mark 1 out of 1

Flag question

Carbon is a

Select one:

- ☐ a ferrous metal
- ☐ a mixture
- ☐ an alloy
- ☒ a non-Metal ✓

The correct answer is: a non-Metal

Question 20

Incorrect

Mark 0 out of 1

Remove flag

The practice of overdesigning components can be described as the approach

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Element can be metallic or non-metallic

Select one:

- ☒ True ✓
- ☐ False

3 of 50

The correct answer is 'True'.



The correct answer is: expand.



In physics and in engineering, grams and kilograms are units of

- ☐ weight
- ☒ mass
- ☐ volume
- ☐ density



The correct answer is: mass

Question 10

Incorrect

Mark 0 out of 1

Flag question

..... is an overall design idea

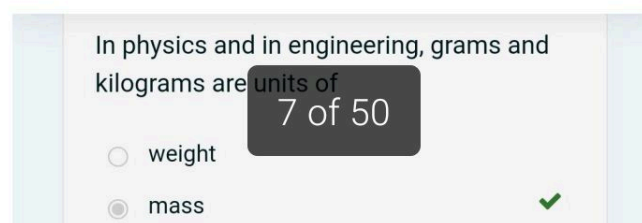
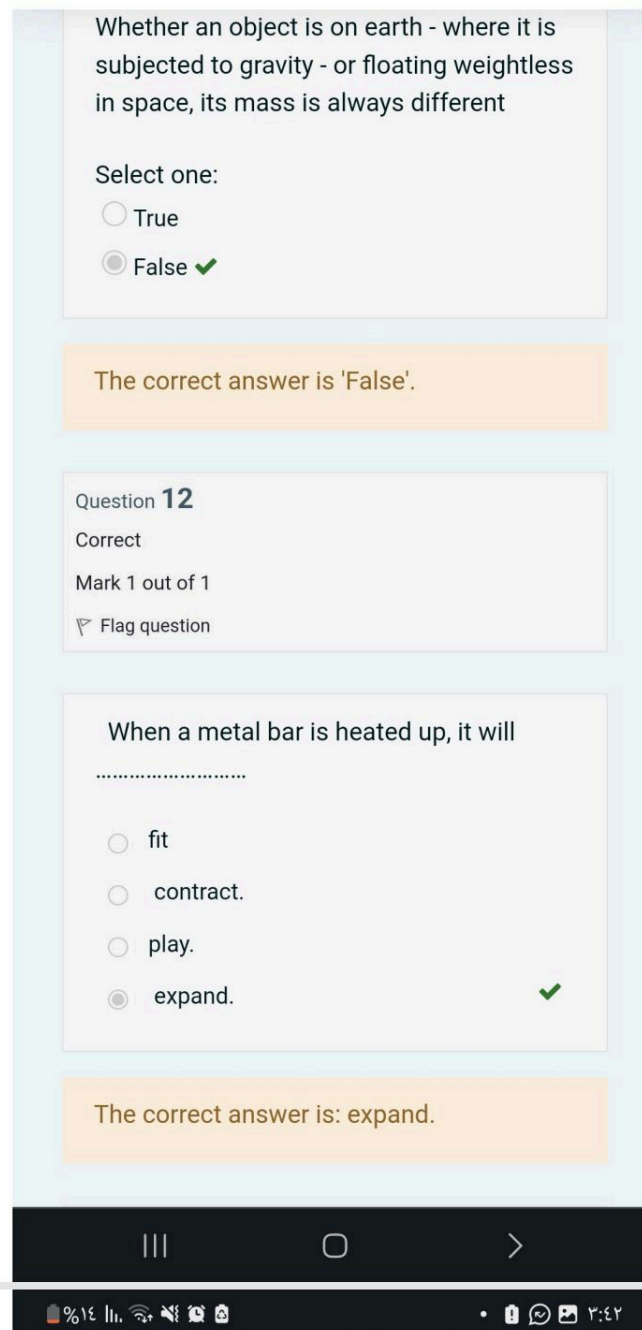
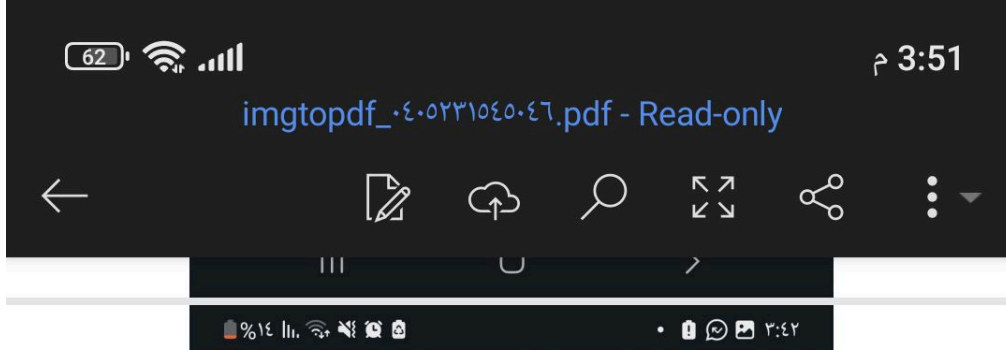
Select one:

- ☐ design solution
- ☐ Sketch
- ☐ Concept
- ☒ Design brief



The correct answer is: Concept







III



Nickel is added to steel to make it harder.

Select one:

☐ True ✗

☐ False

The correct answer is 'False'.

Question 14

Correct

Mark 1 out of 1

Flag question

The elements that make up a compound are not chemically bound.

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.

Question 15

Correct

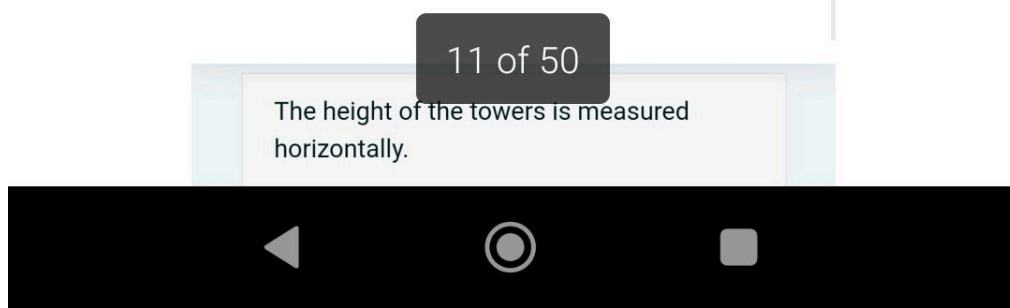
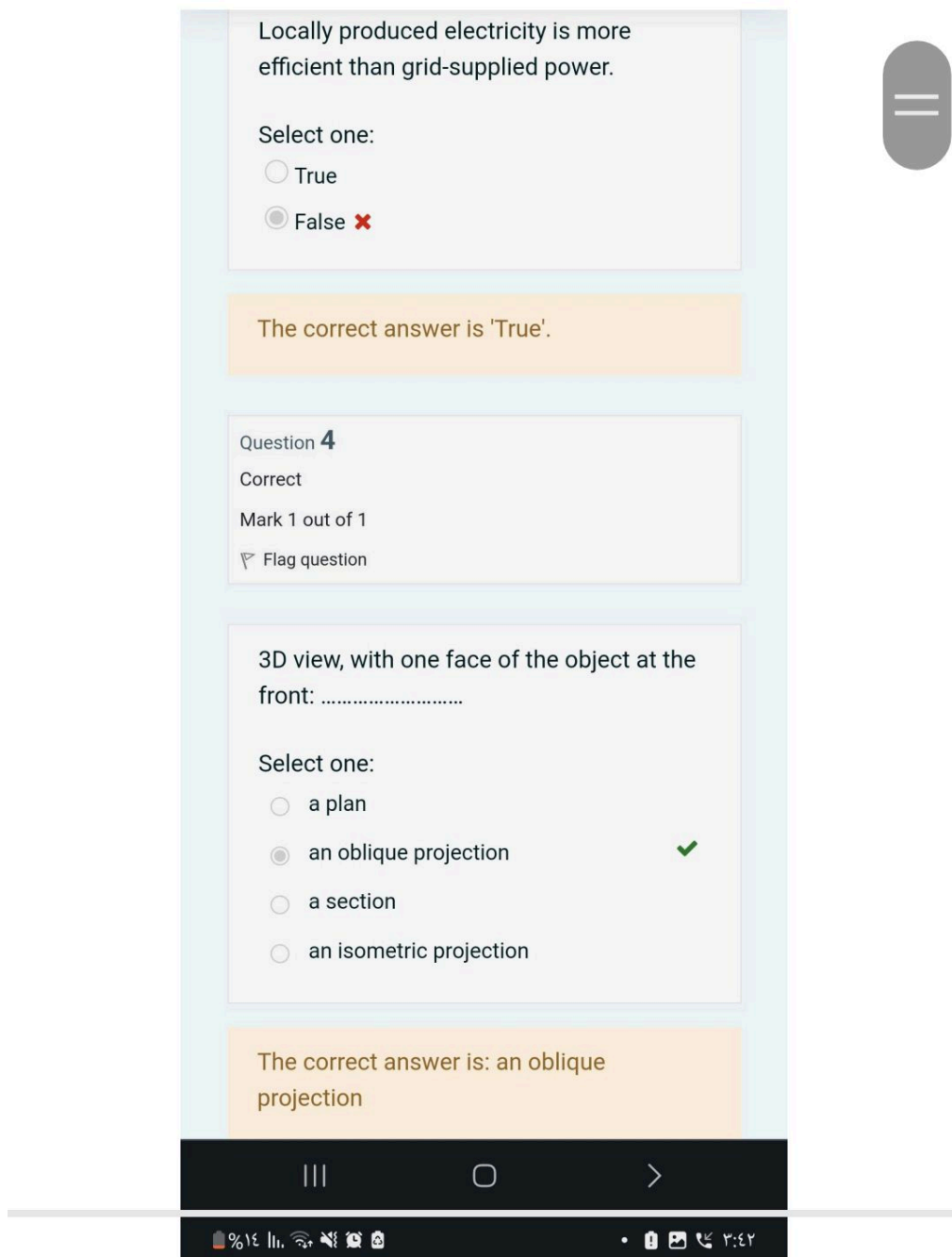
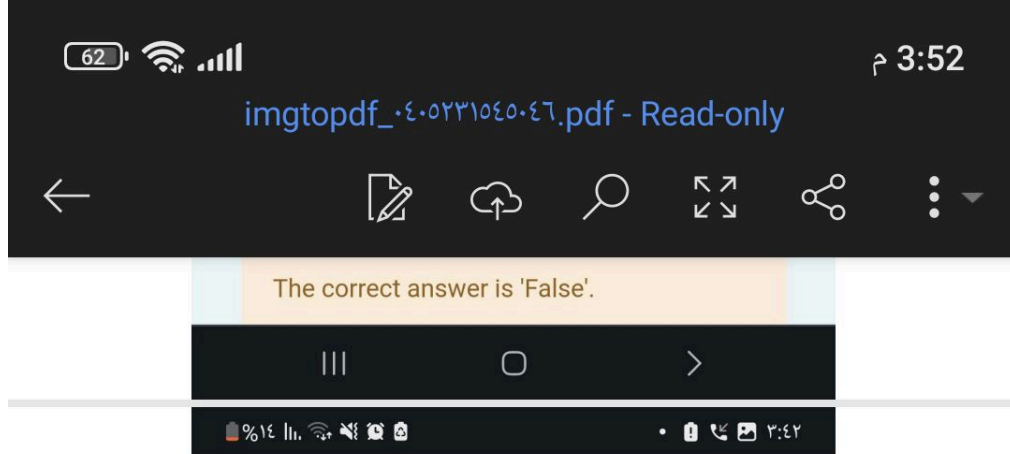
Mark 1 out of 1

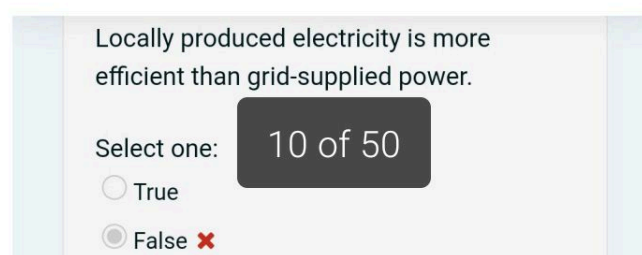
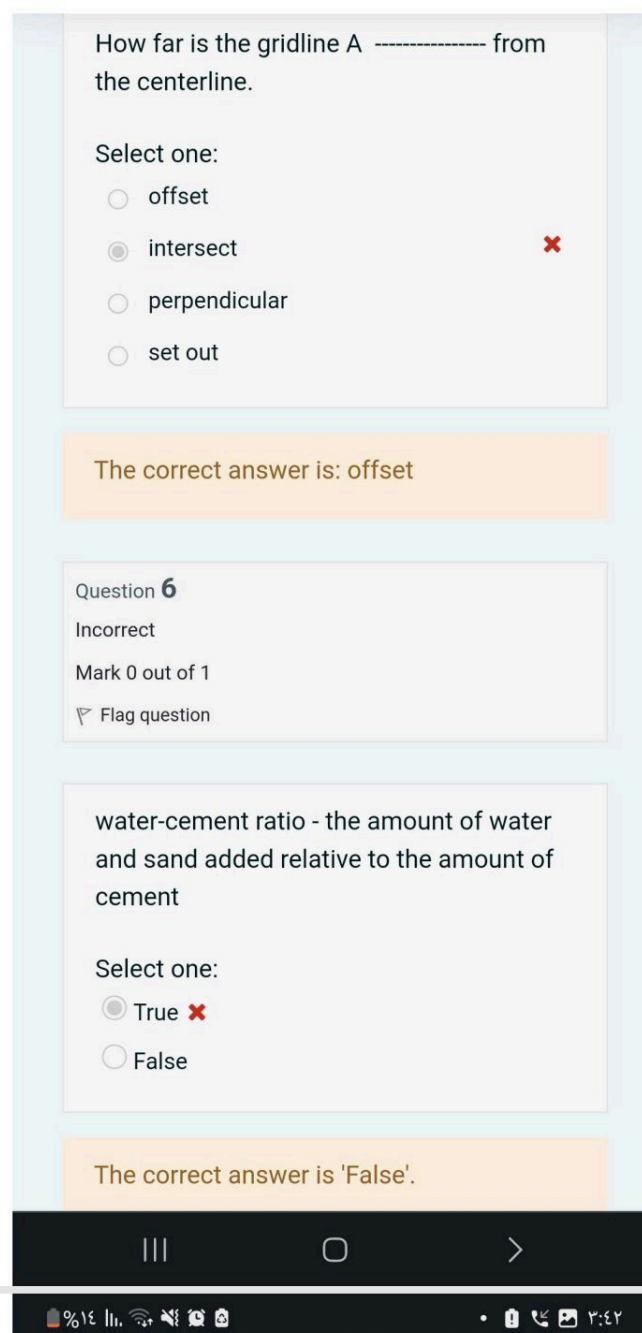
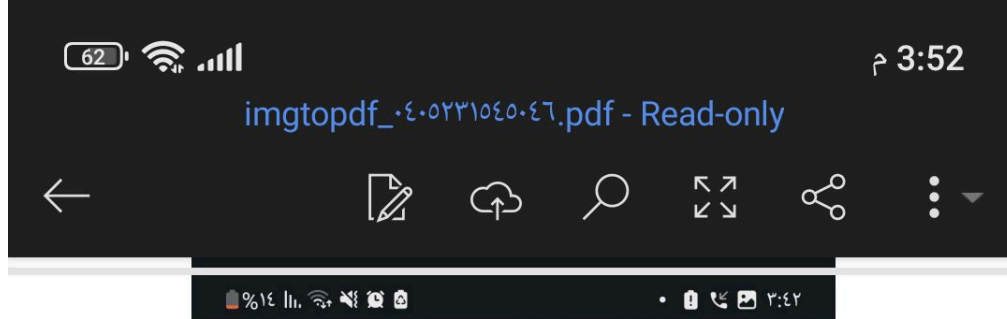
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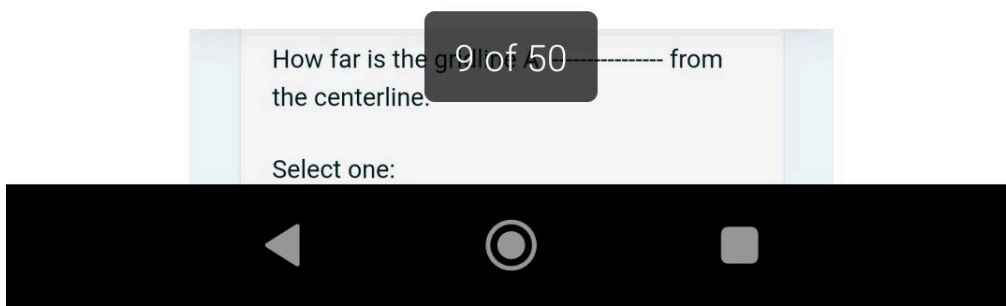
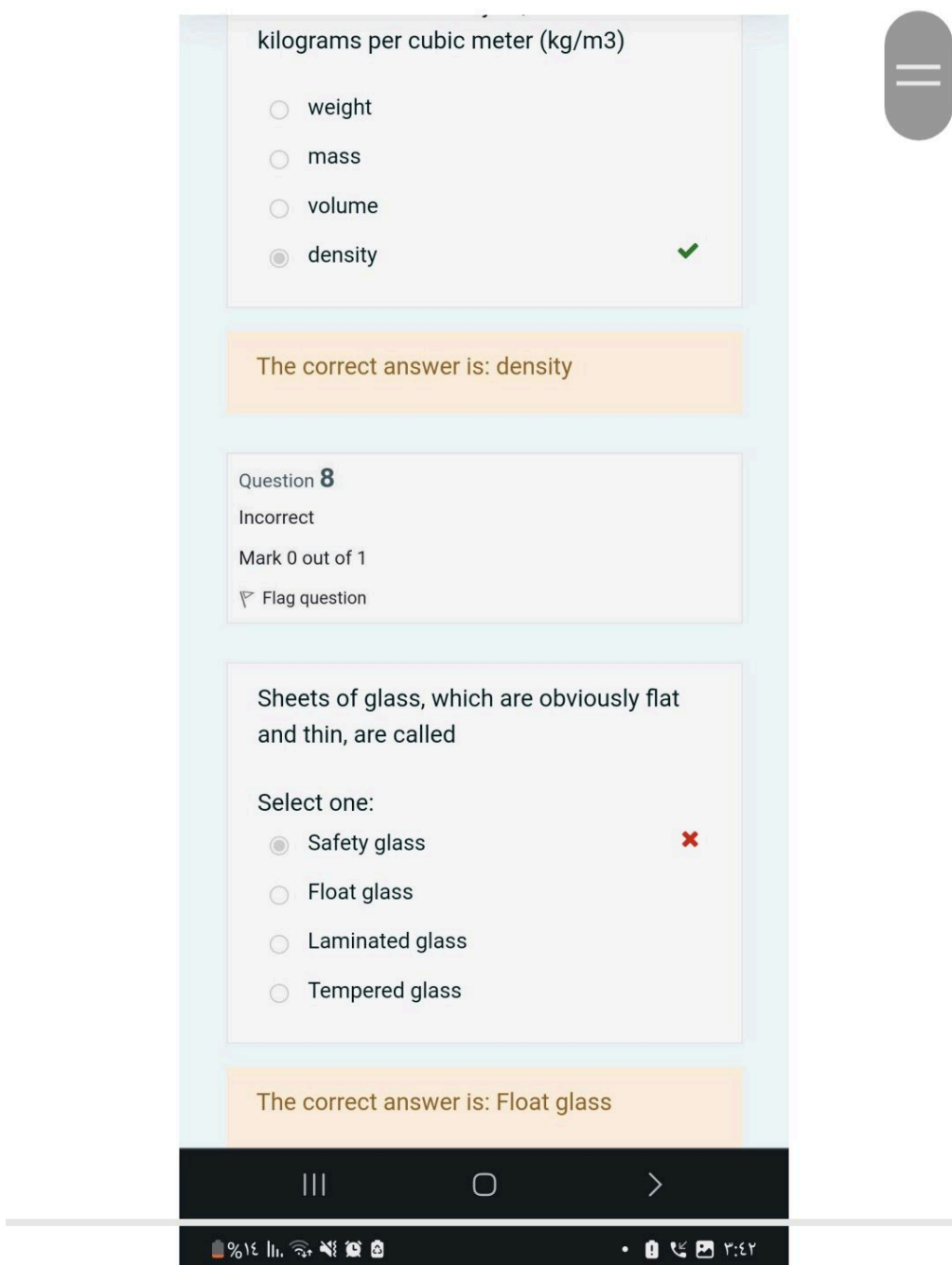
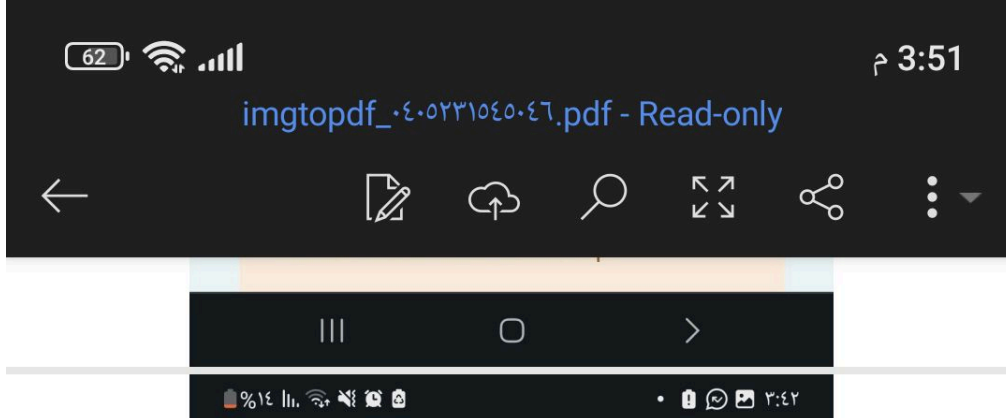


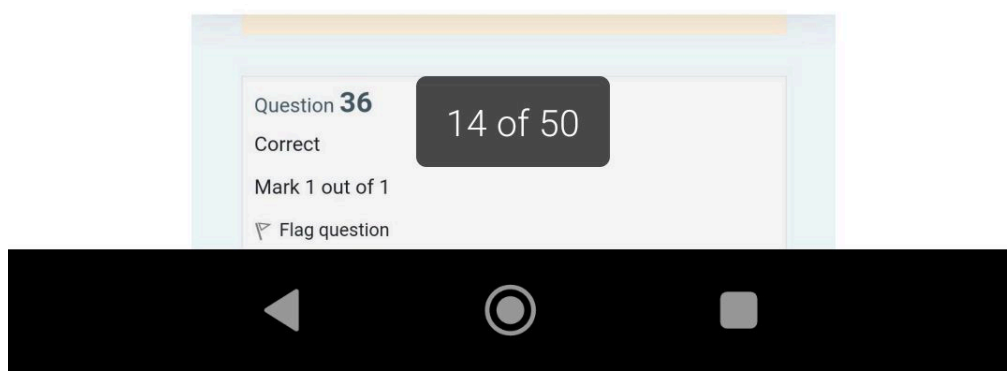
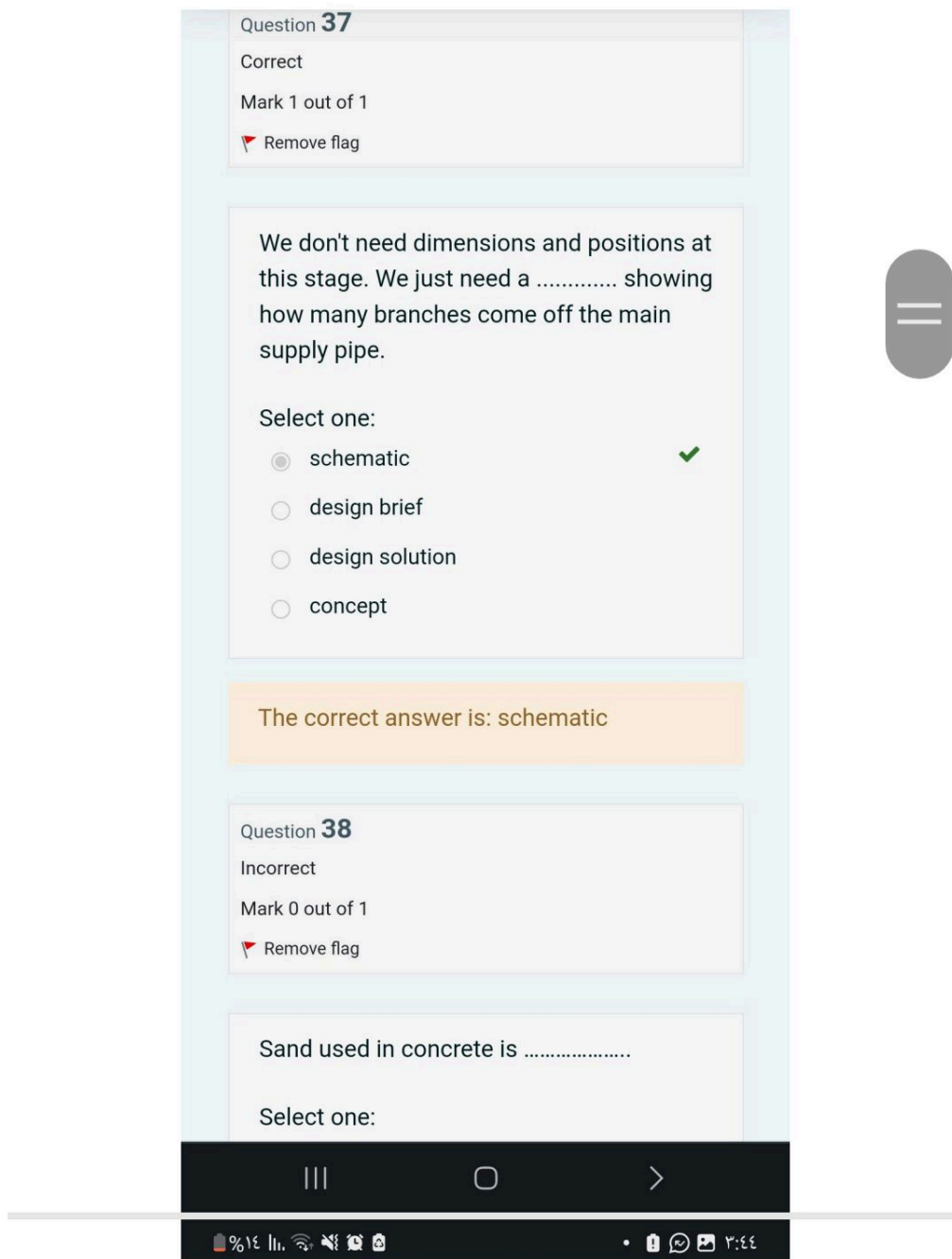
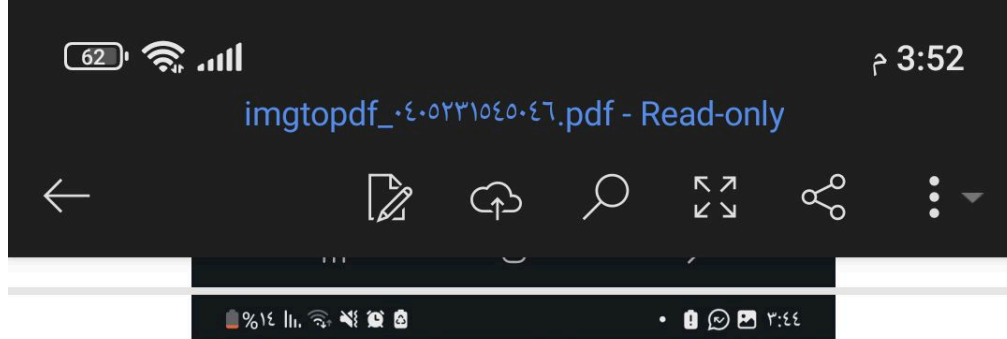
6 of 50

Whether an object is on earth - where it is subjected to gravity - or floating weightless in space, its mass is always different











Question 38

Incorrect

Mark 0 out of 1

Remove flag

Sand used in concrete is

Select one:

- ☒ Batching
- ☐ Coarse aggregate
- ☐ Cement
- ☐ Fine aggregate

The correct answer is: Fine aggregate

Question 39

Correct

Mark 1 out of 1

Flag question

The bore is the maximum overall external width of a pipe

Select one:

- ☐ True
- ☒ False



Question 37

Correct

Mark 1 out of 1

Remove flag

13 of 50

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



projection



The height of the towers is measured horizontally.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 2

Correct

Mark 1 out of 1

Flag question

Diamond, an extremely hard form of carbon

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 3

Incorrect



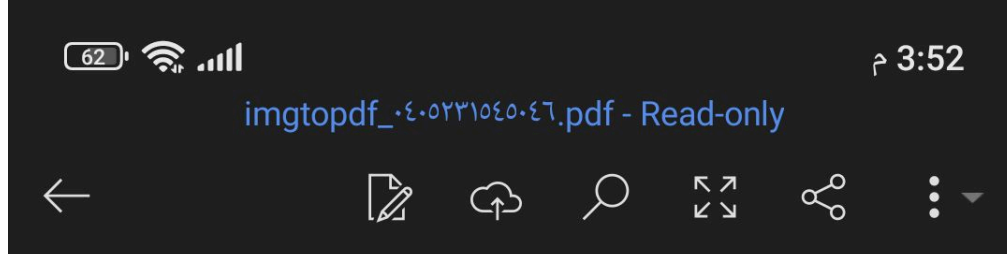
Question 38

Incorrect

Mark 0 out of 1

Remove flag

12 of 50



Question **34**
Incorrect
Mark 0 out of 1
[Flag question](#)

When concrete is cast at a factory, it is called.....

Select one:

- ☒ Reinforced concrete
- ☐ Precast concrete
- ☐ Fine aggregate
- ☐ in-situ concrete

The correct answer is: Precast concrete

Question **35**
Correct
Mark 1 out of 1
[Flag question](#)

Iron is

Select one:

- ☐ a Compound

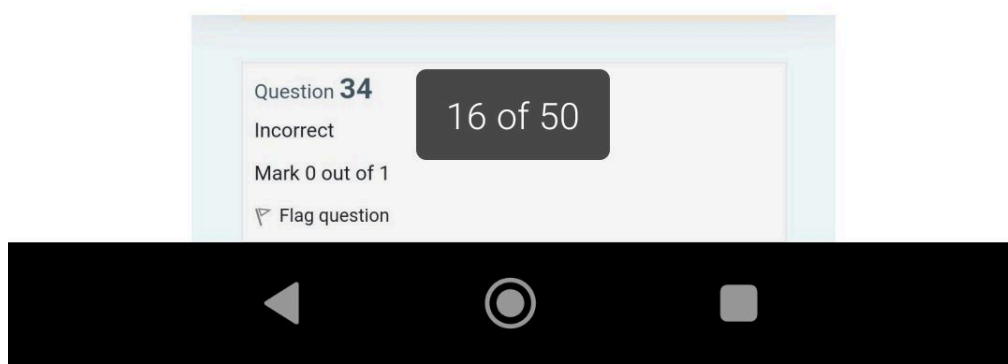
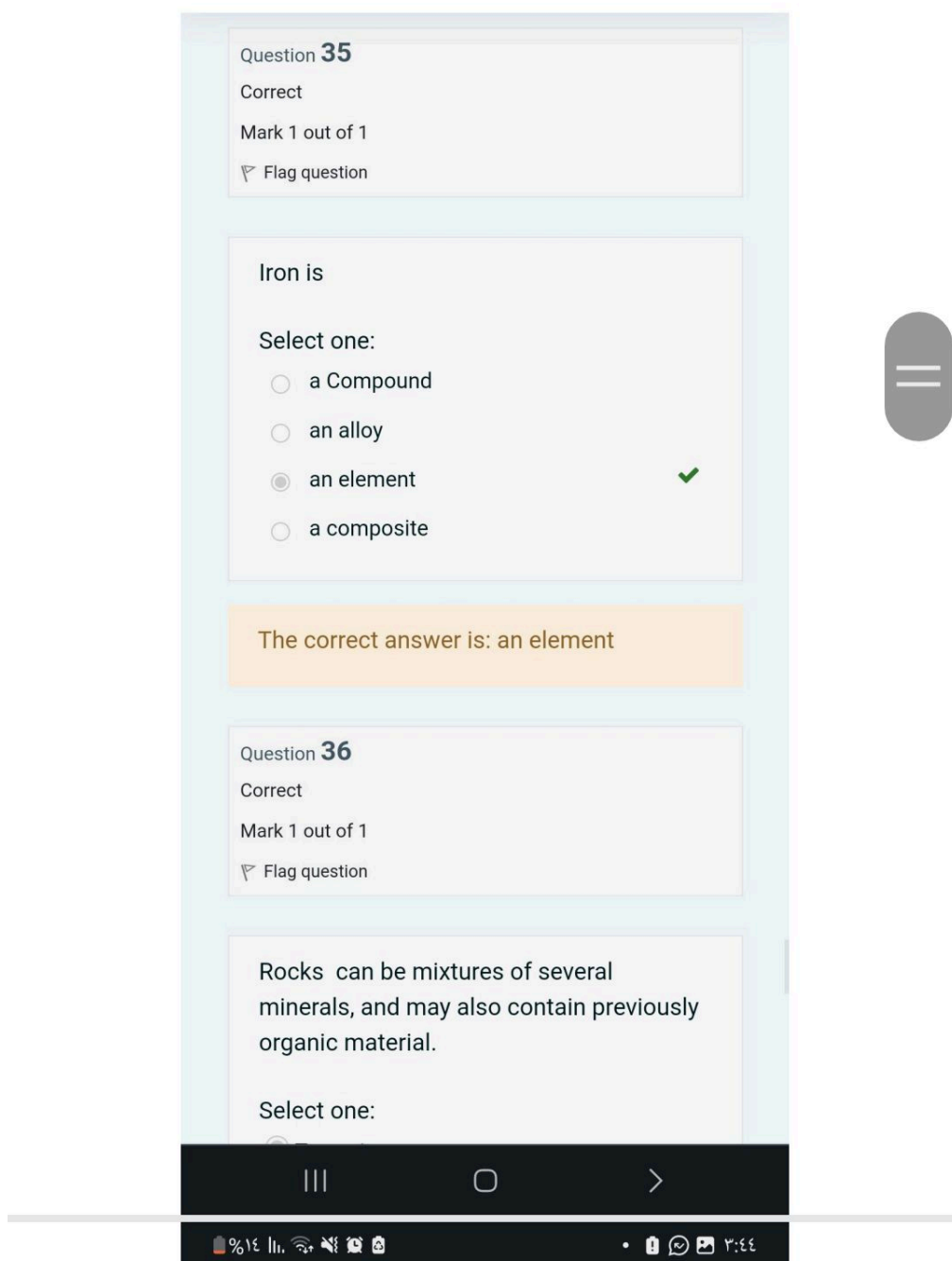
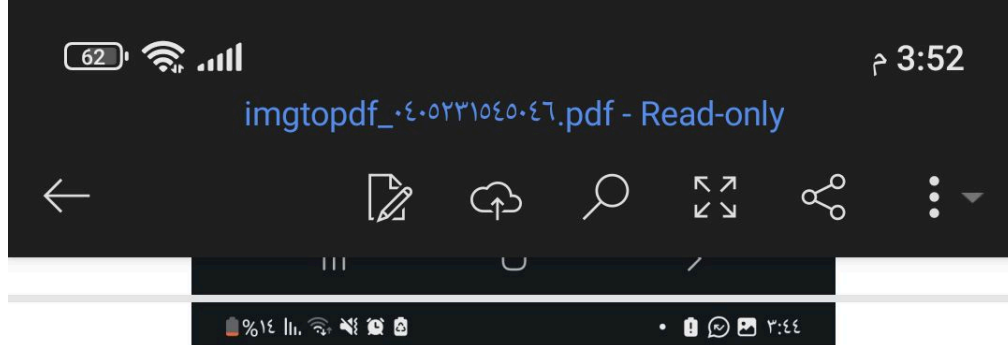
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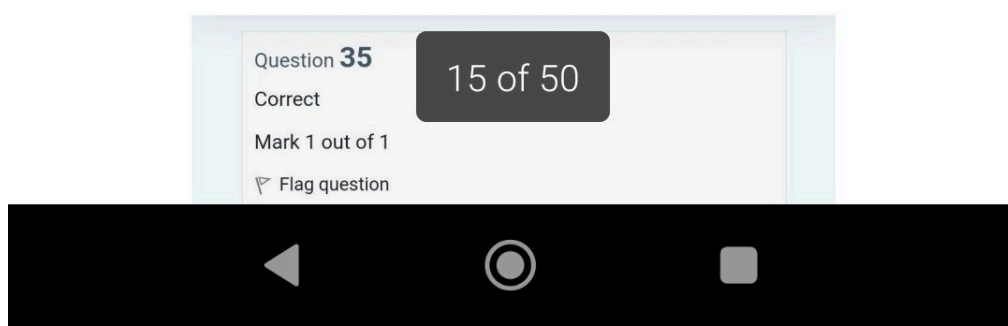
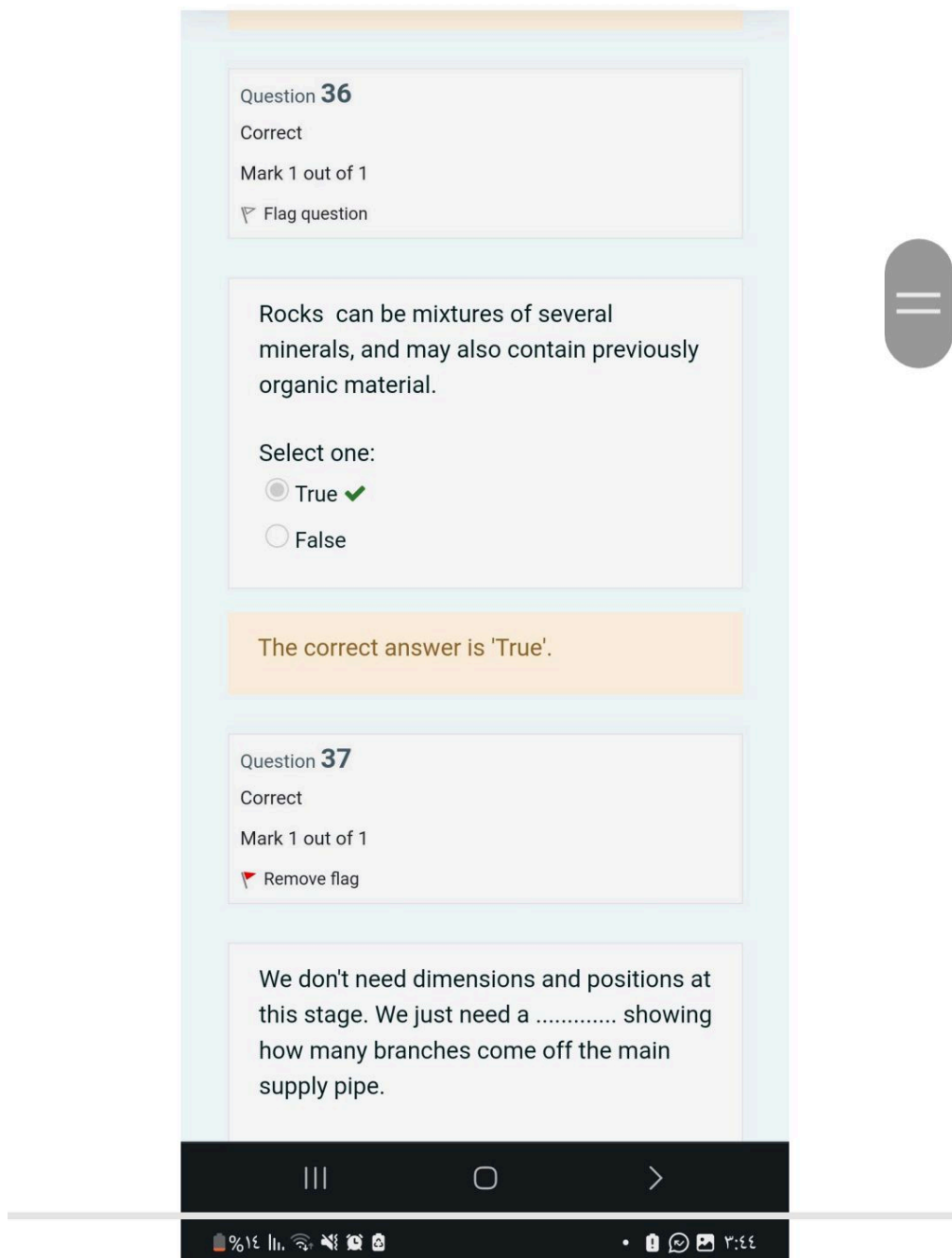
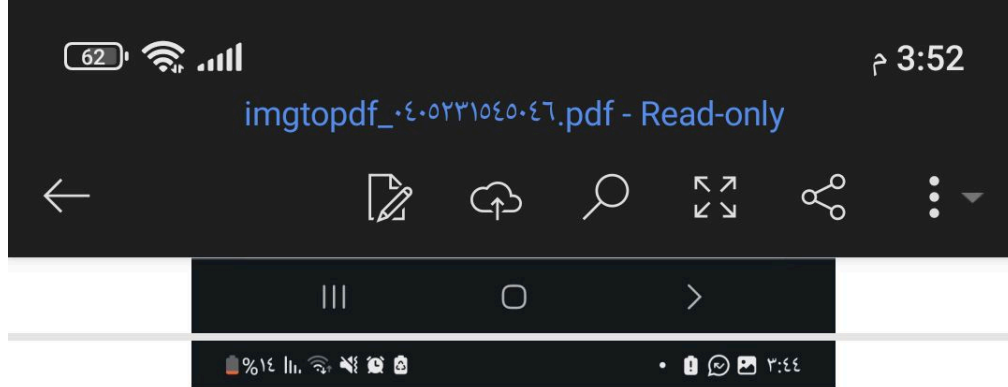


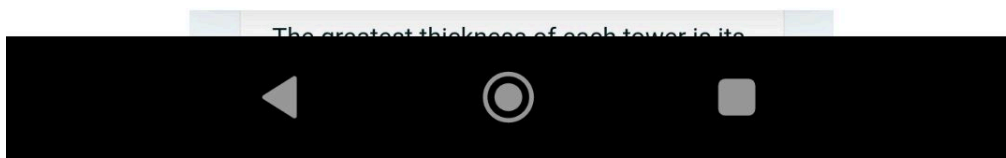
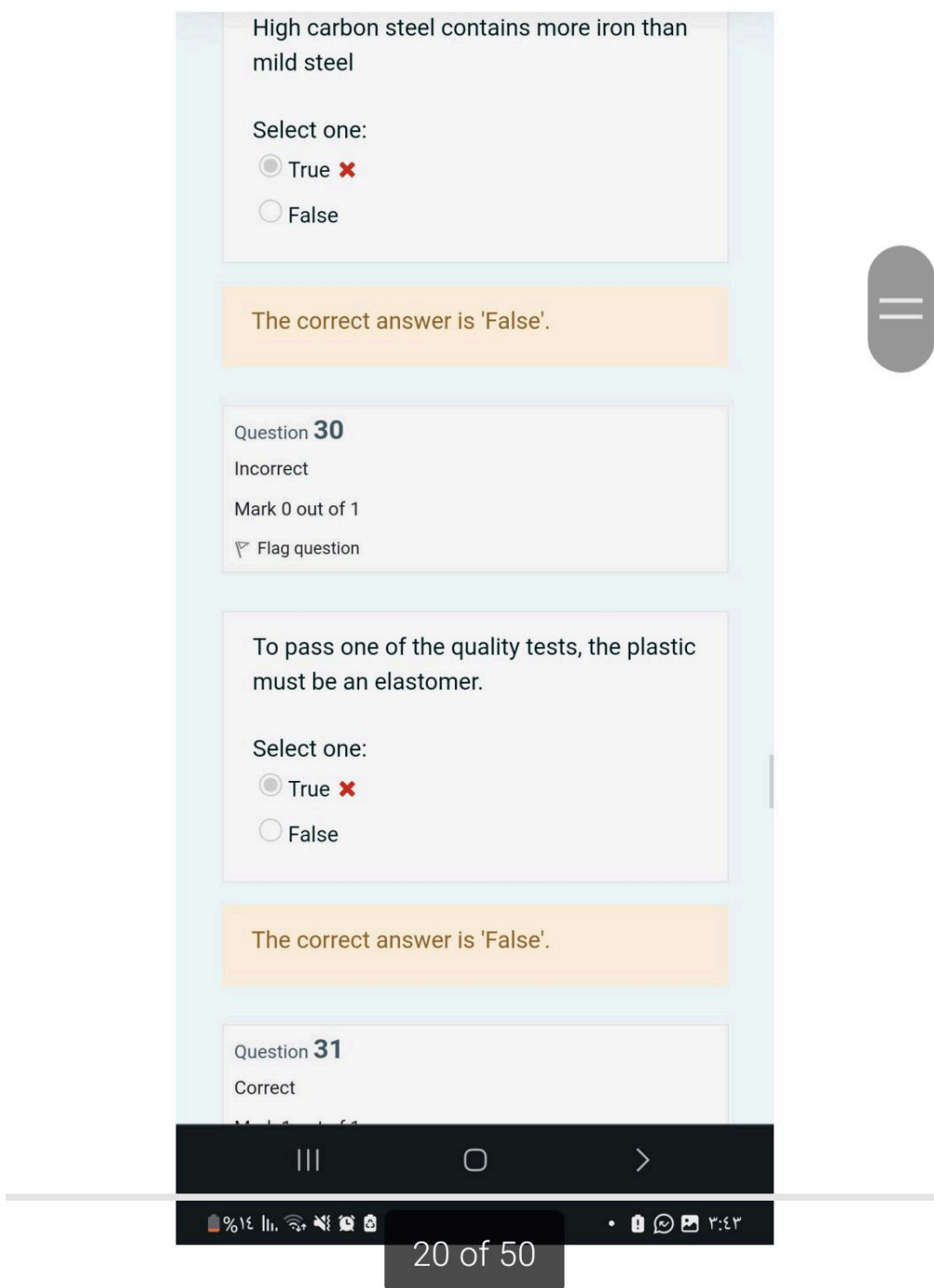
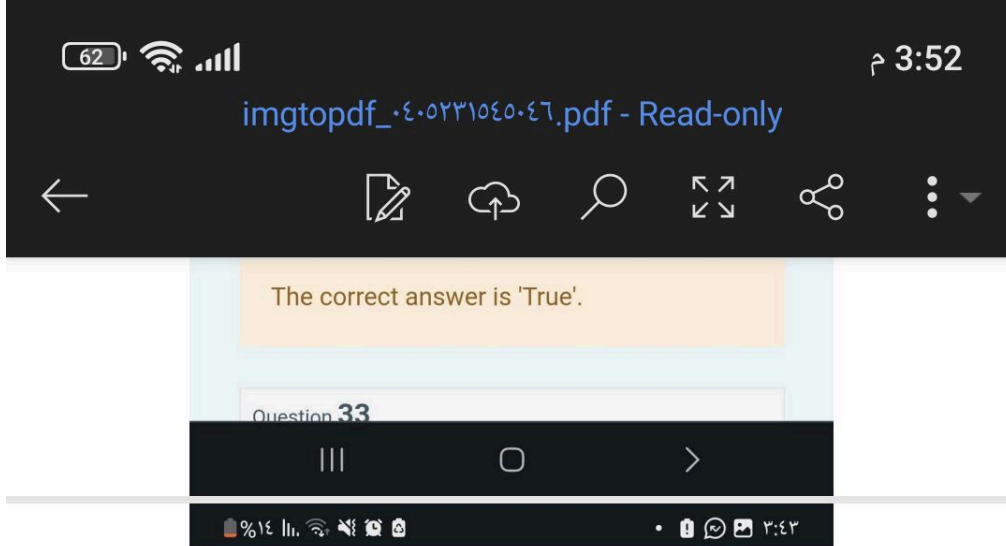
Question **33**
Incorrect
Mark 0 out of 1
[Flag question](#)

17 of 50

The external wall runs along gridline A and









When concrete is cast at a factory, it is



Copper is a

Select one:

- ☐ non-metal
- ☐ ferrous
- ☐ compound
- ☒ non-ferrous



The correct answer is: non-ferrous

Question 32

Incorrect

Mark 0 out of 1

Flag question

Arc is a curve while a chord is a straight line

Select one:

- ☐ True
- ☒ False



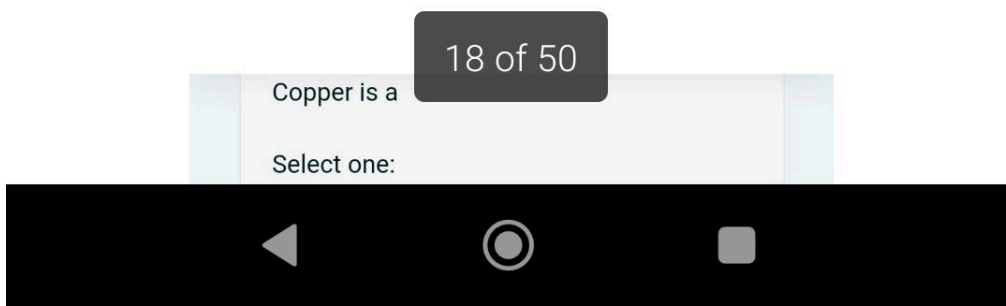
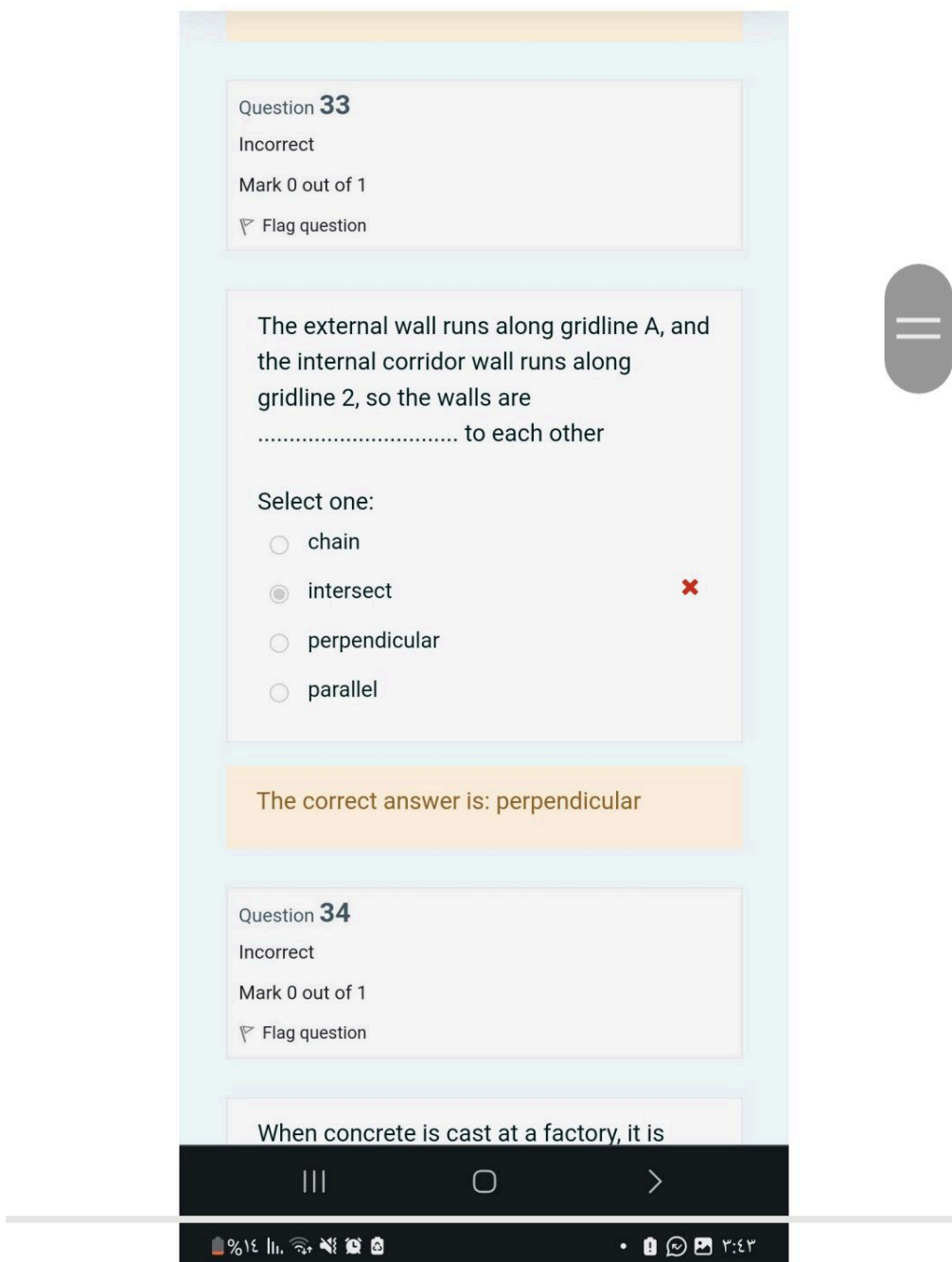
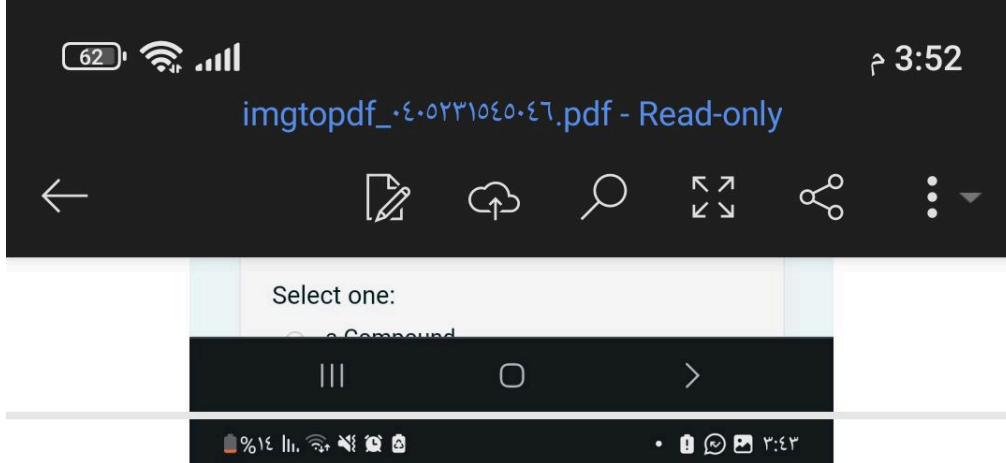
The correct answer is 'True'.

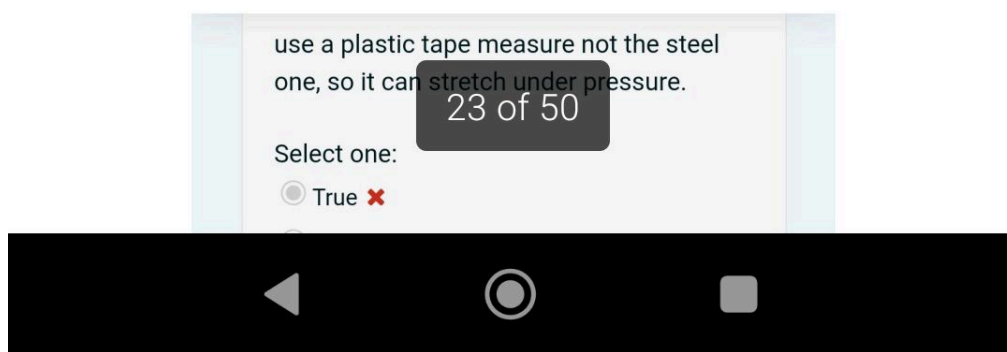
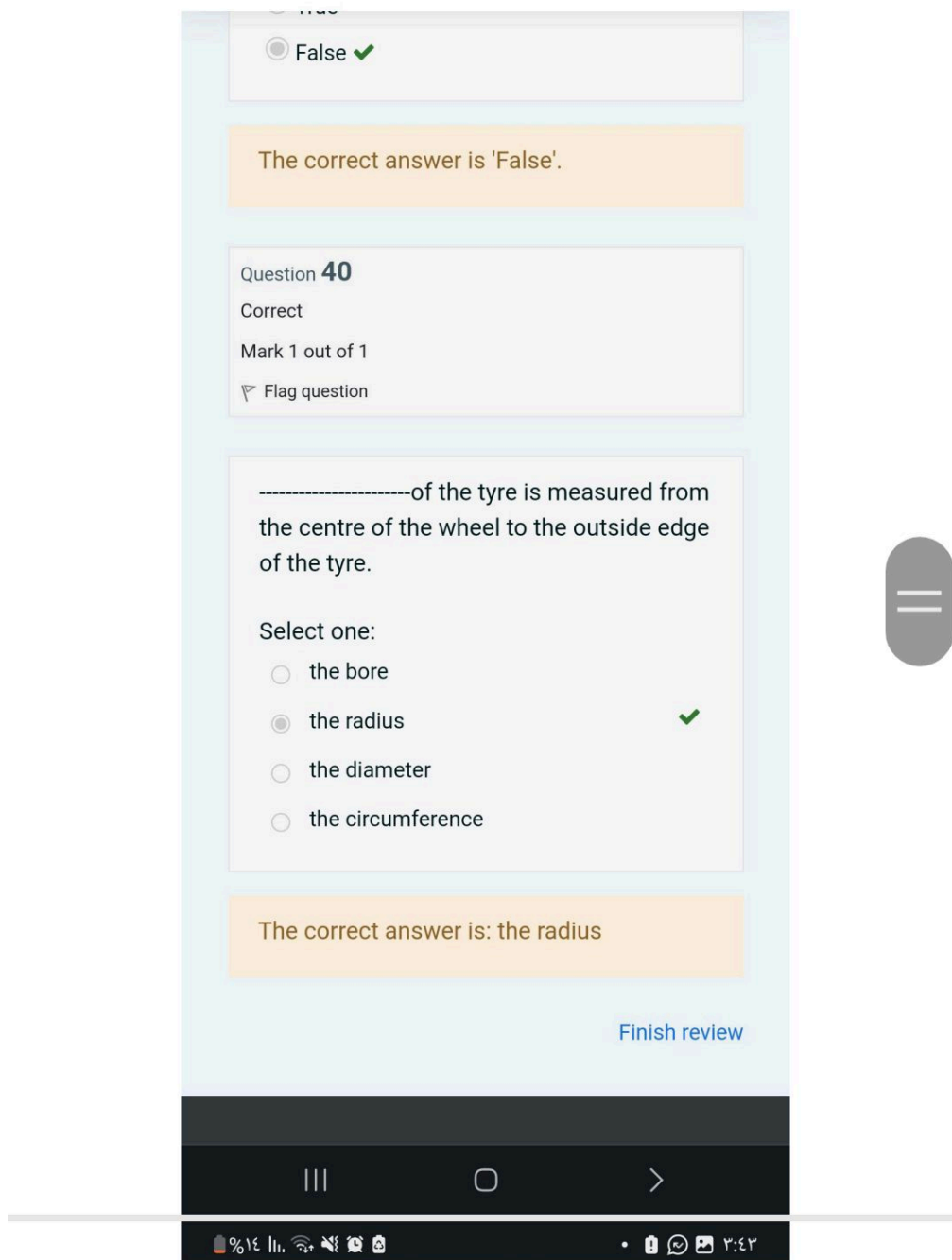
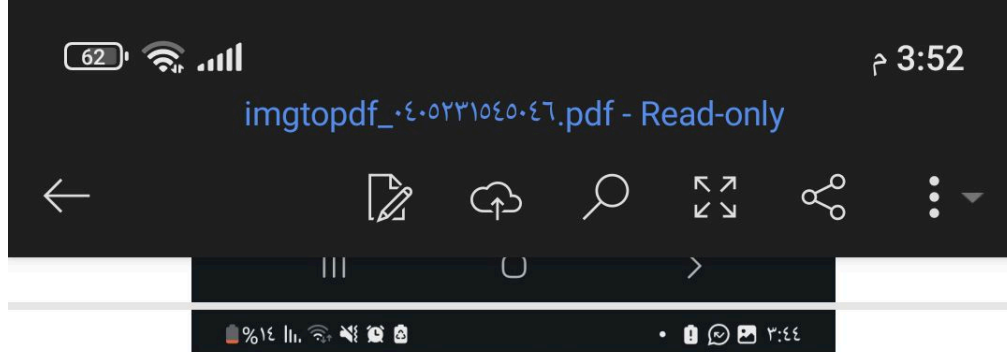
Question 33

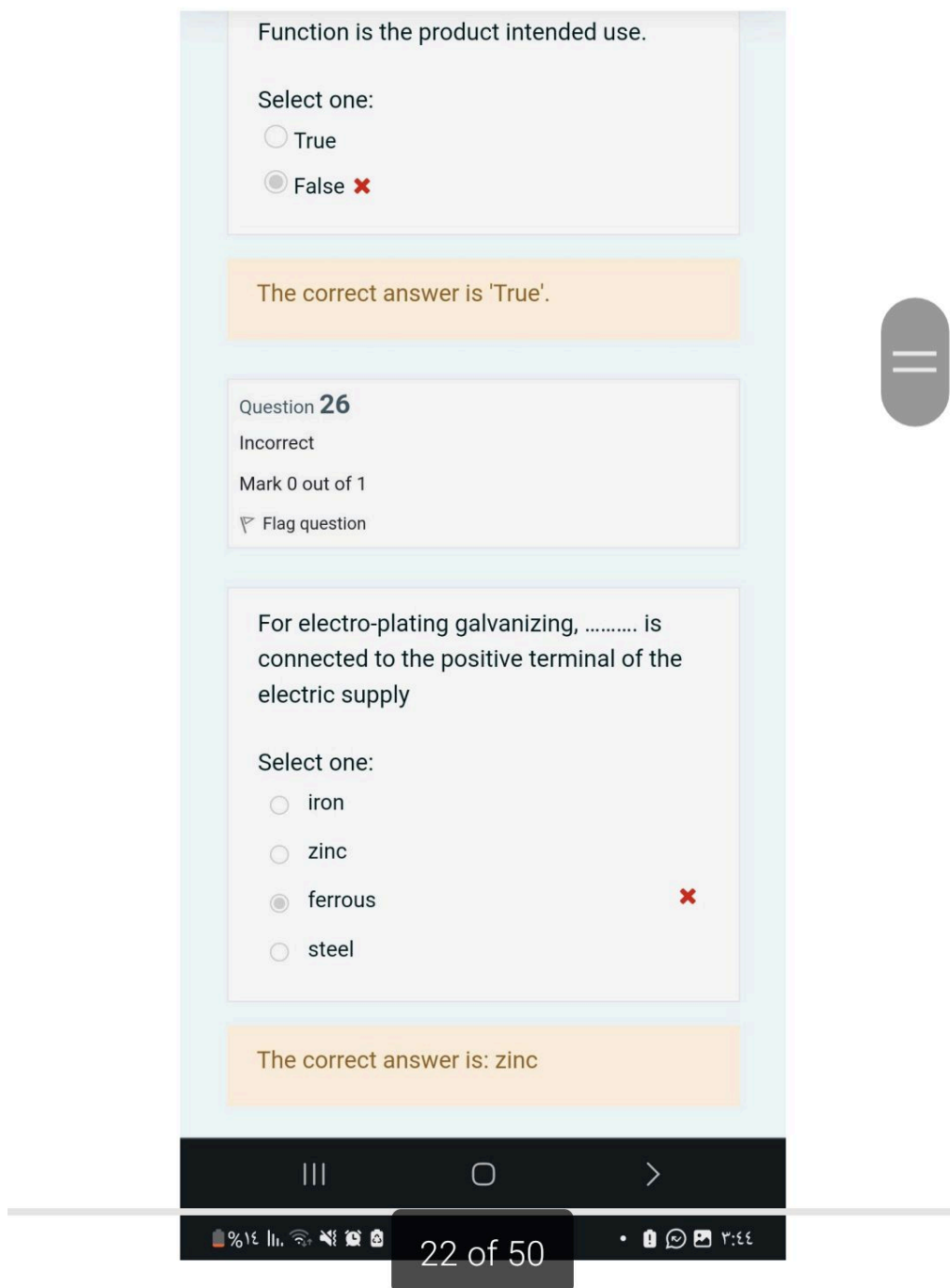
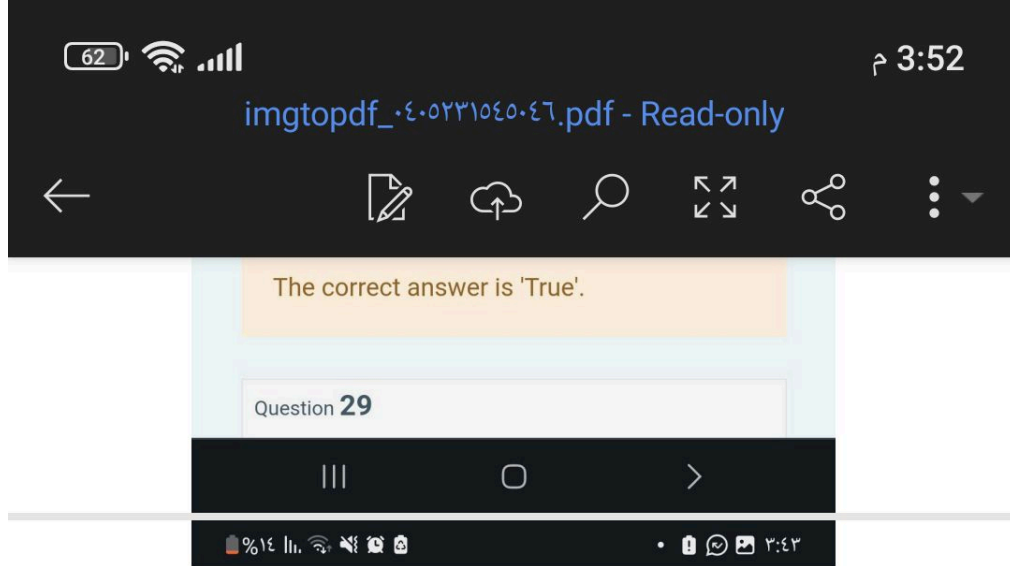


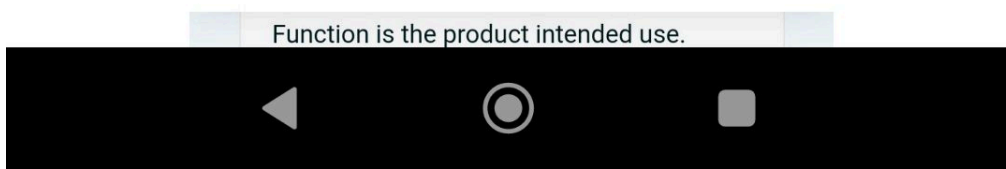
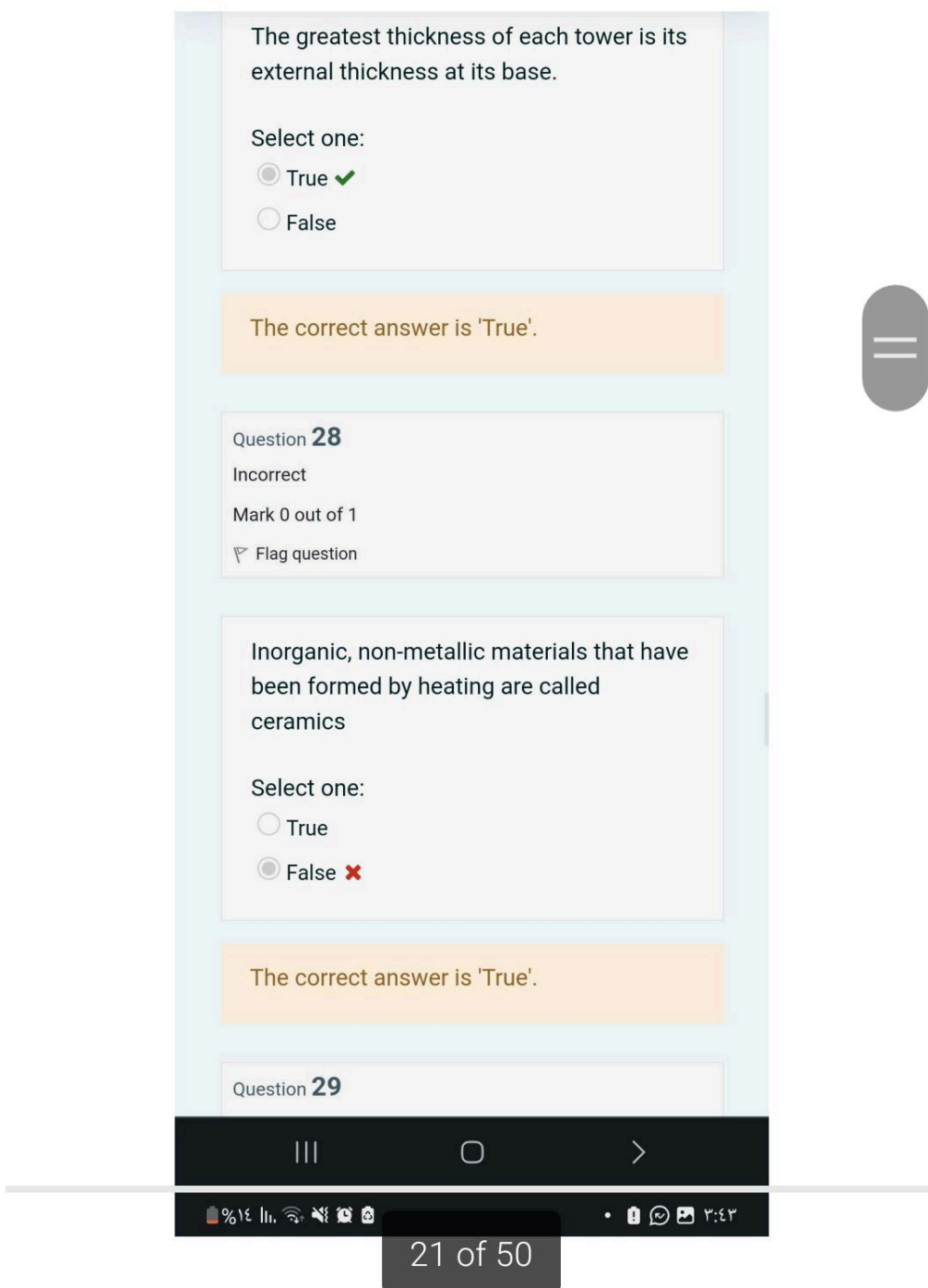
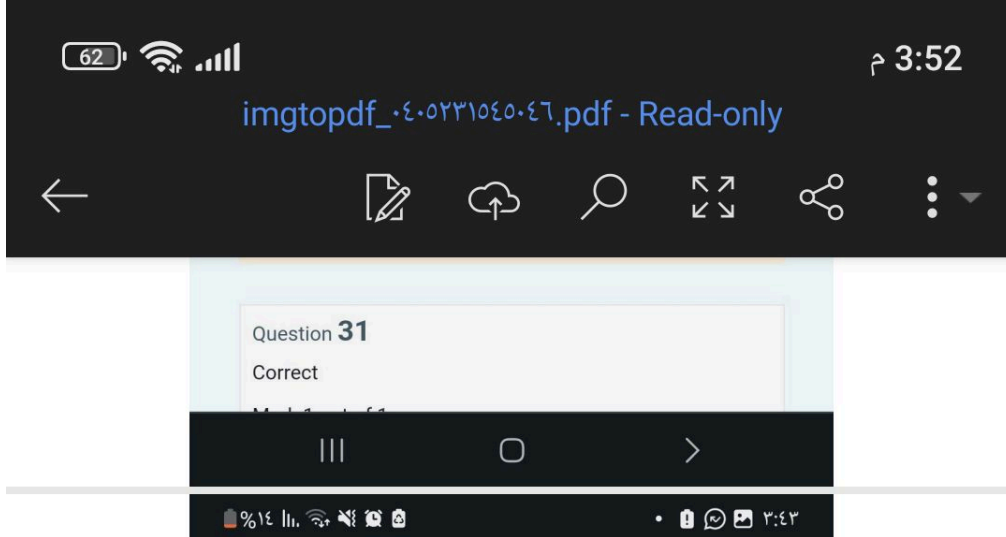
High carbon steel contains more iron than mild steel

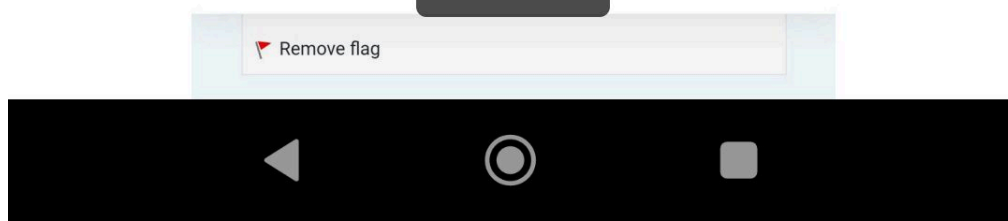
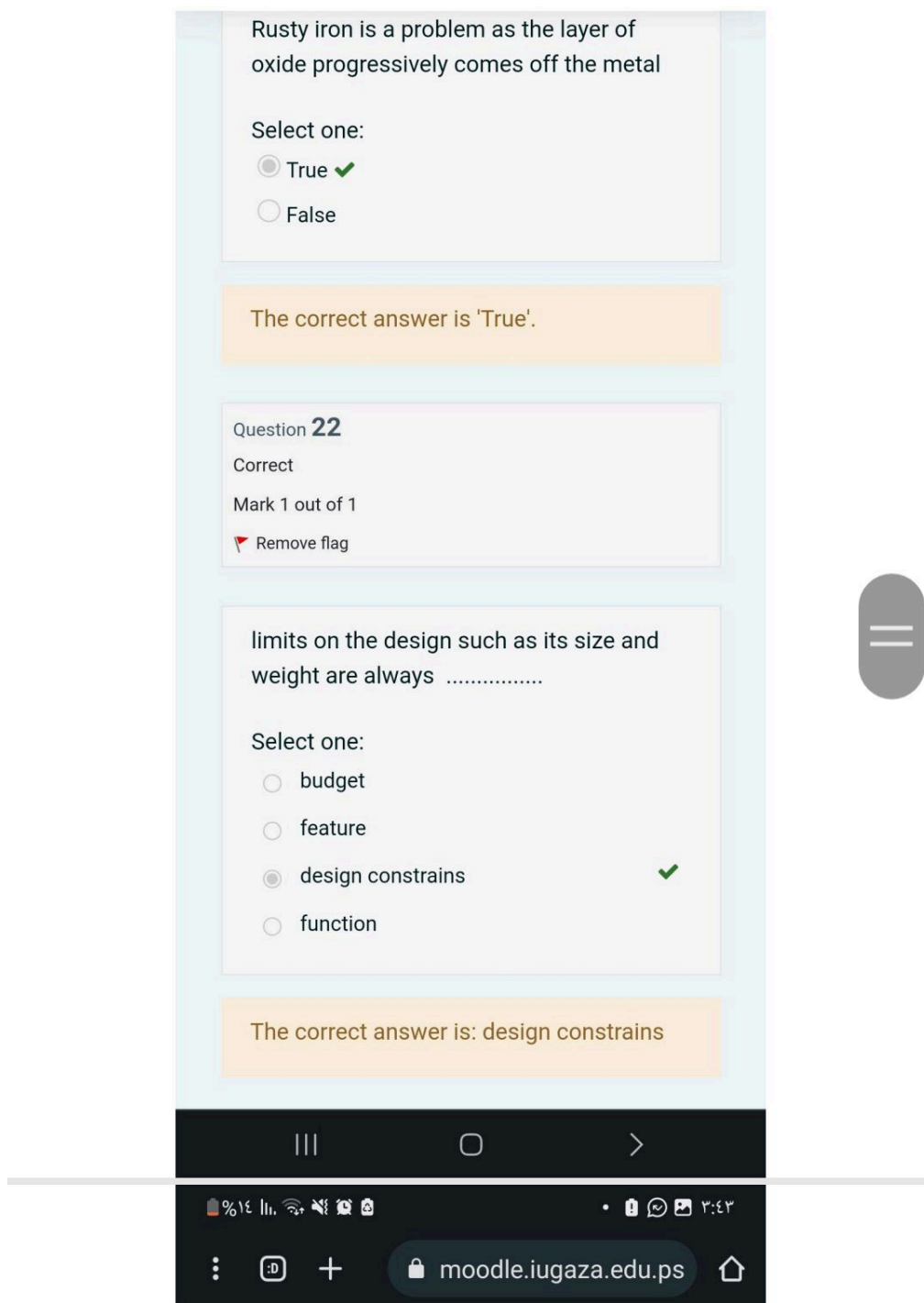
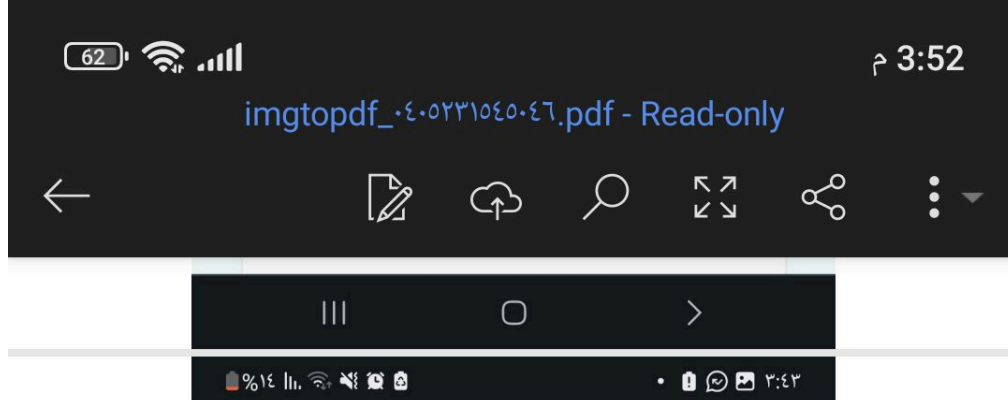
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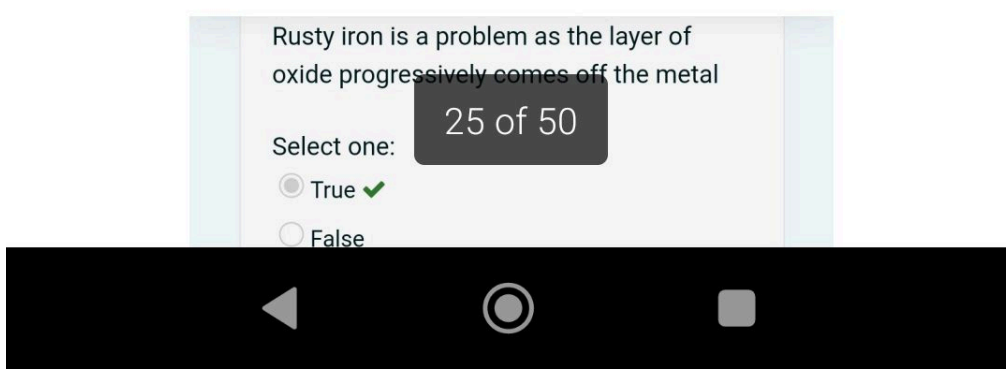
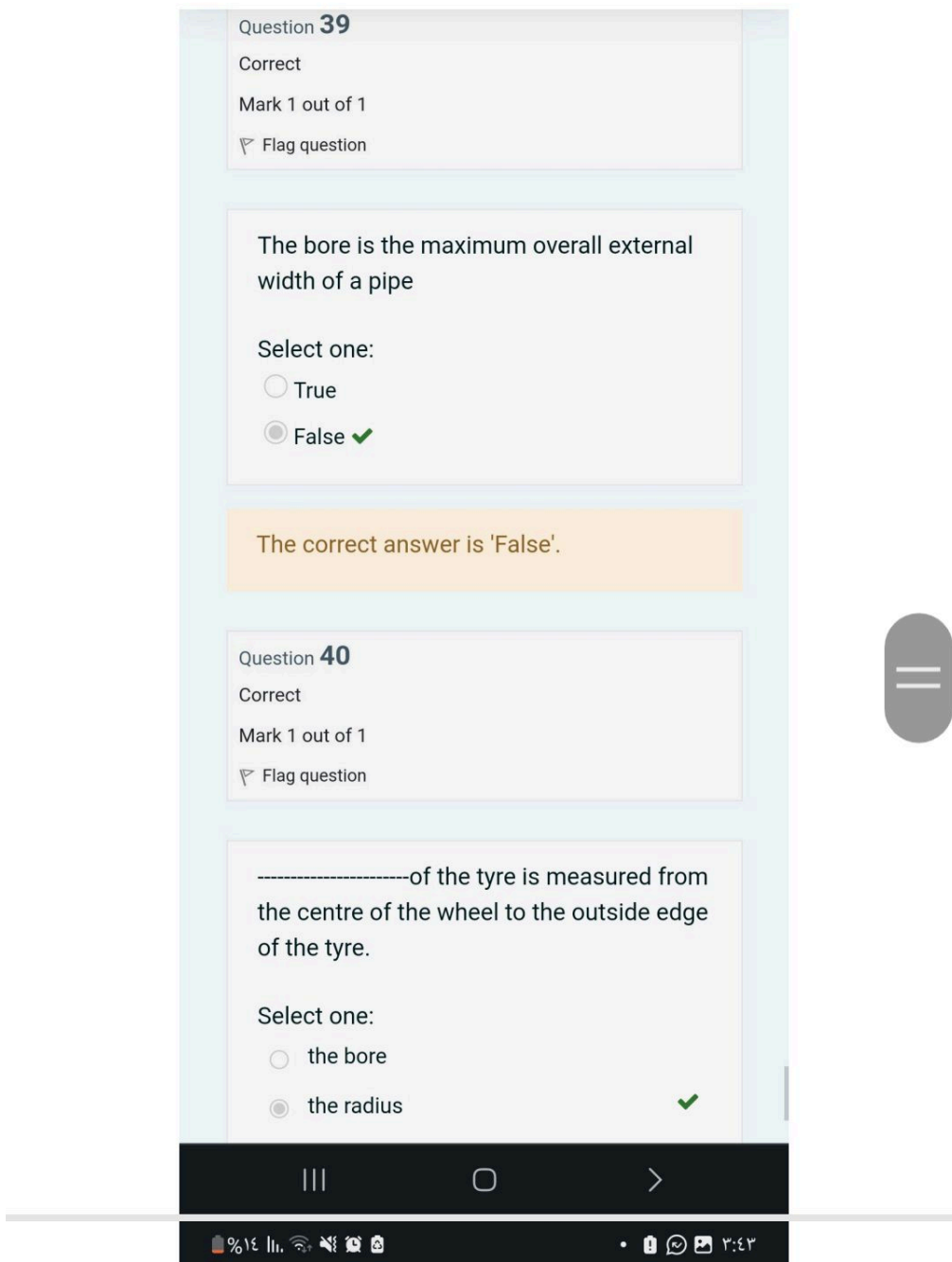
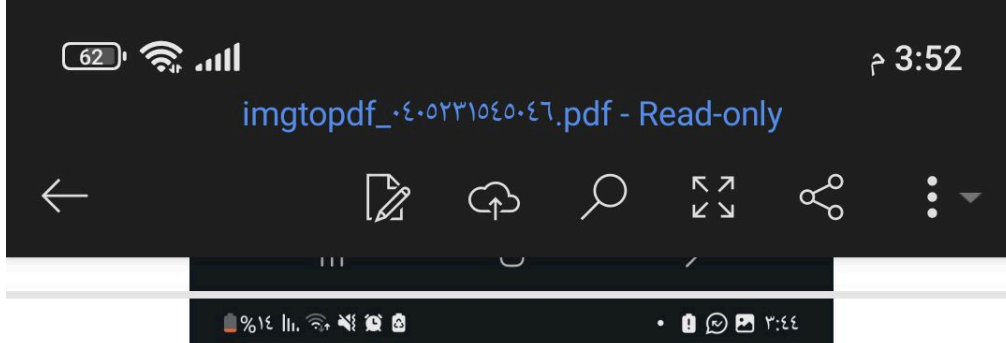


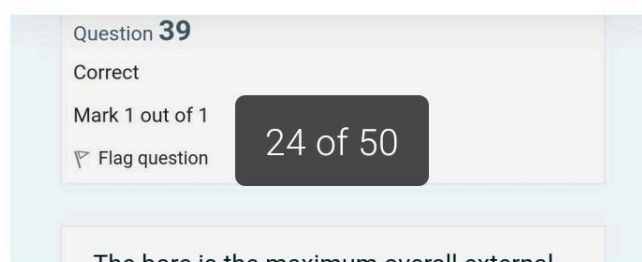
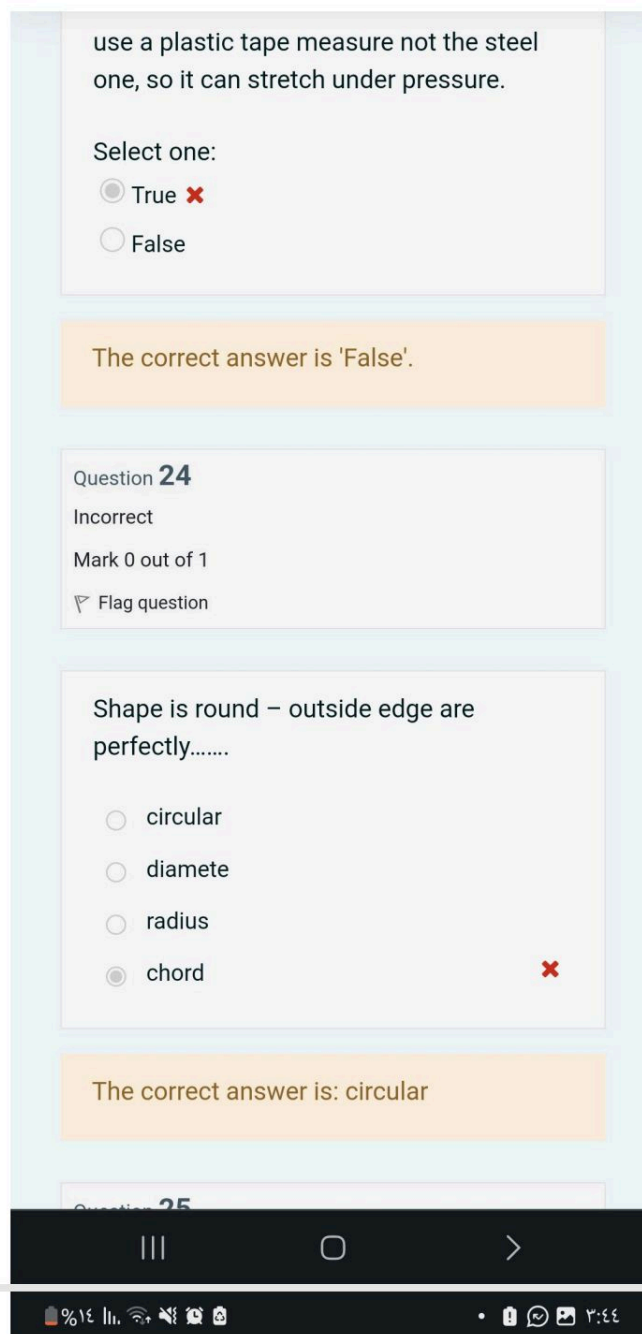
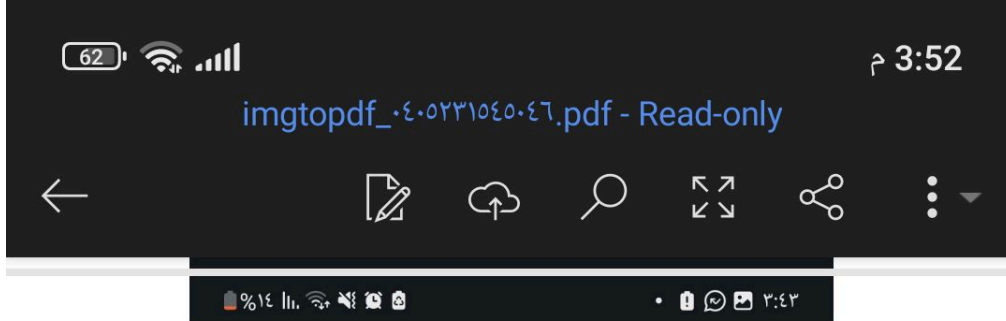


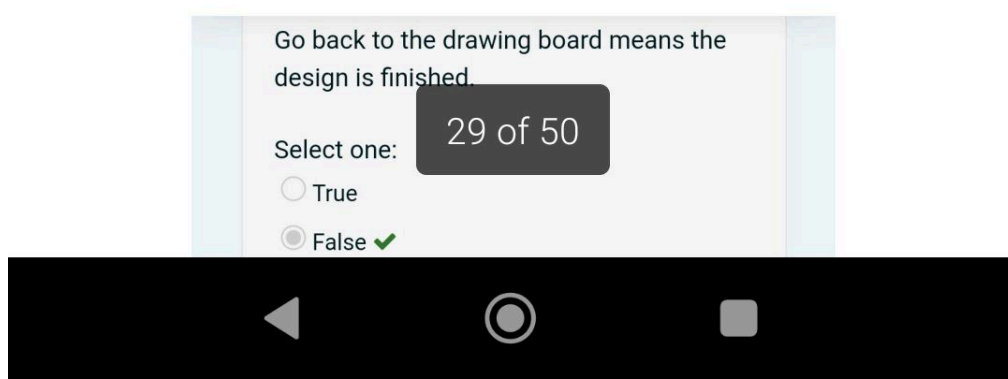
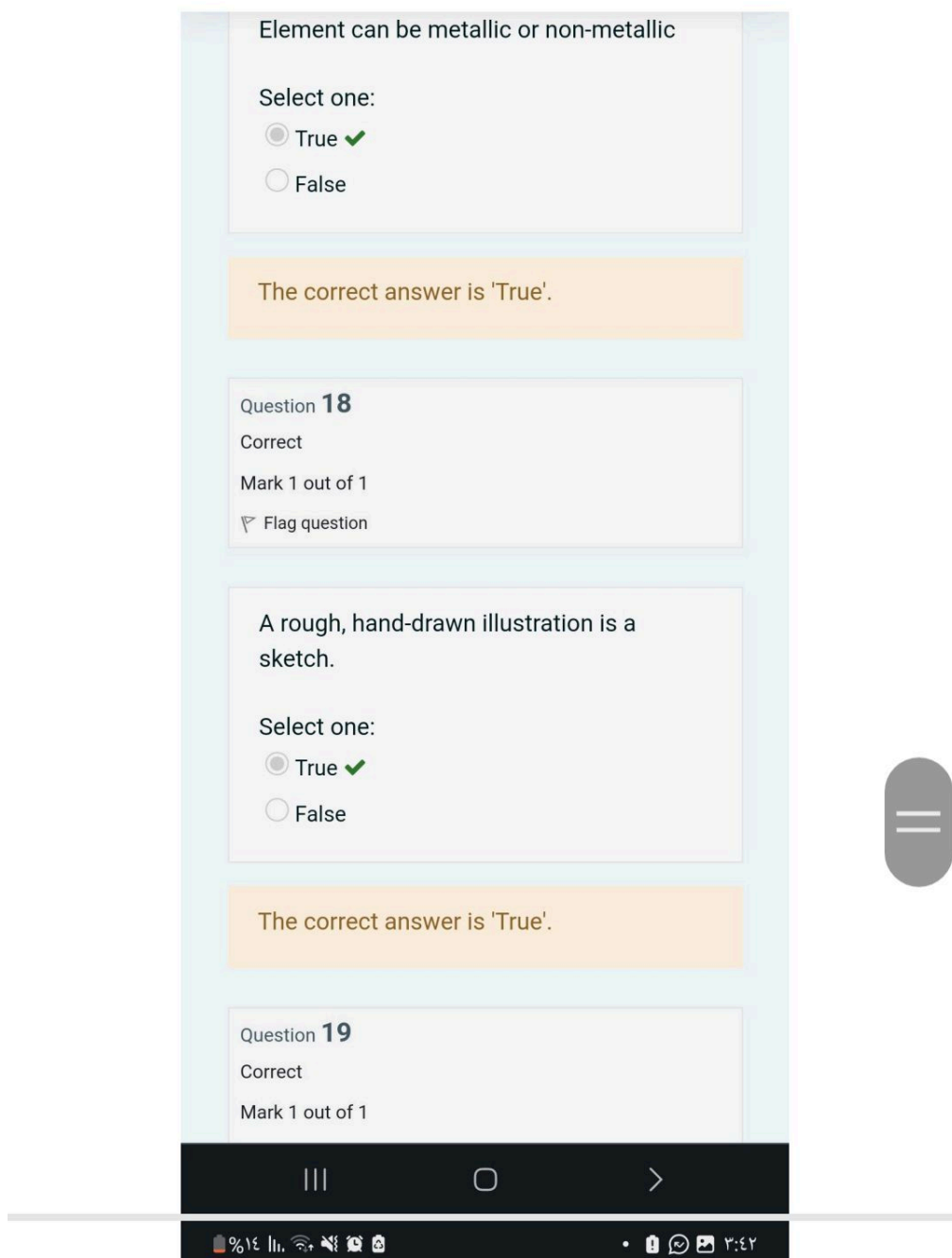
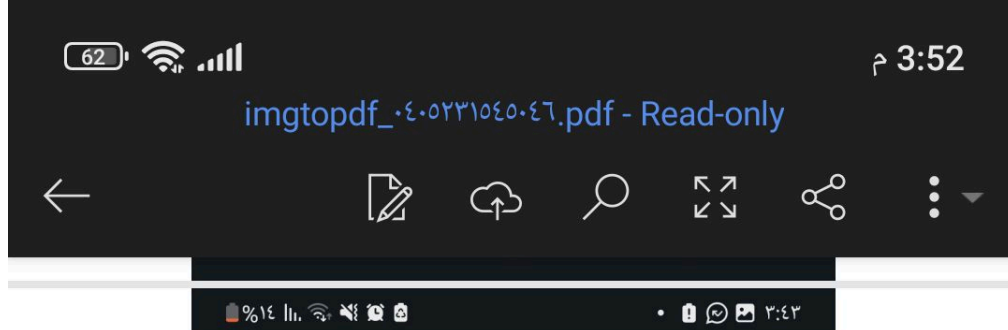


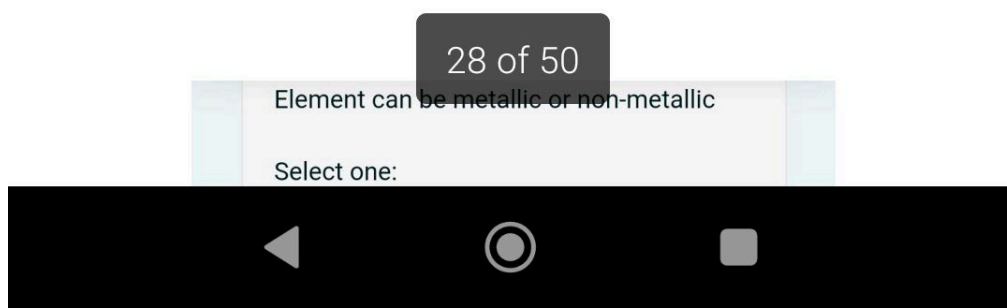
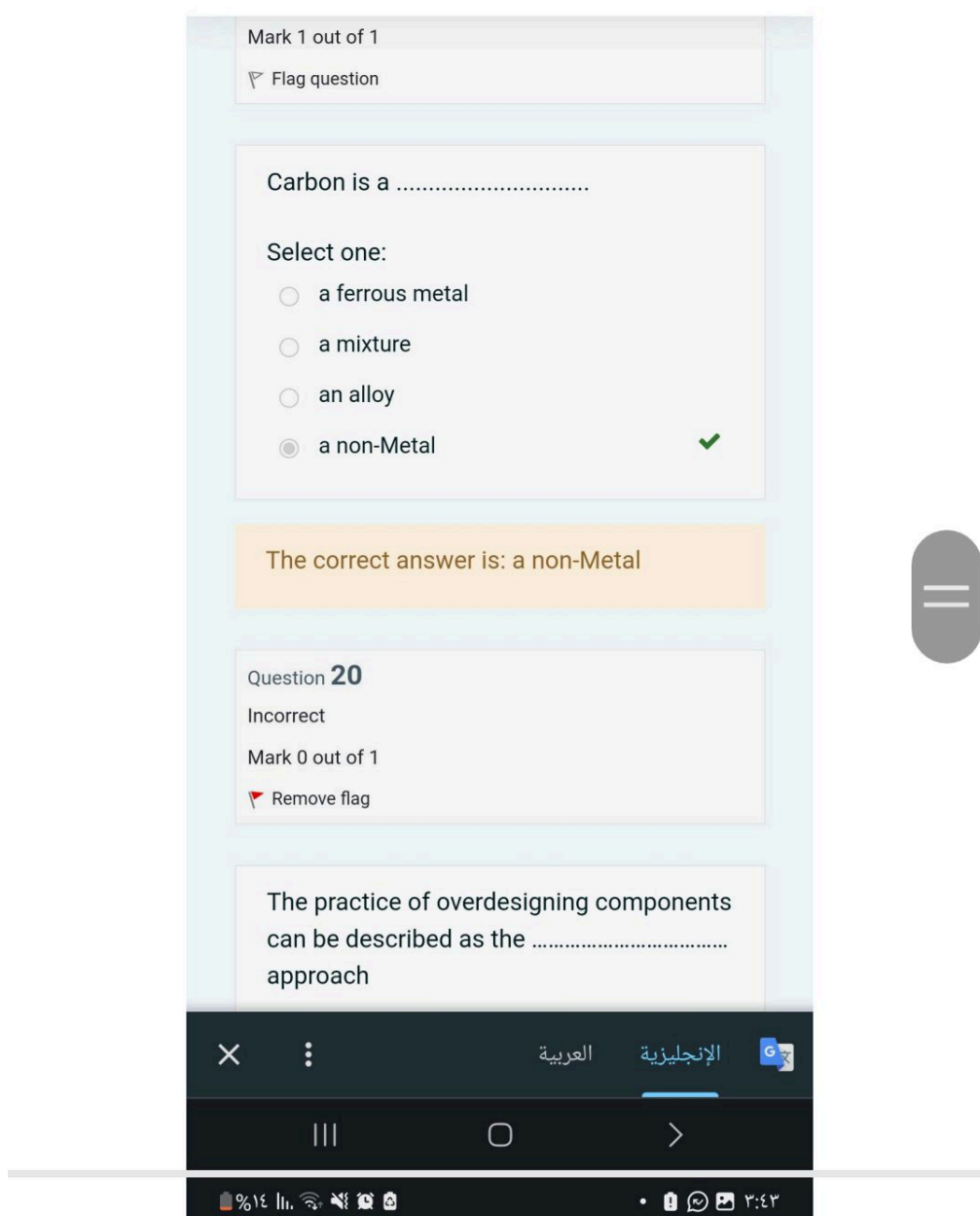
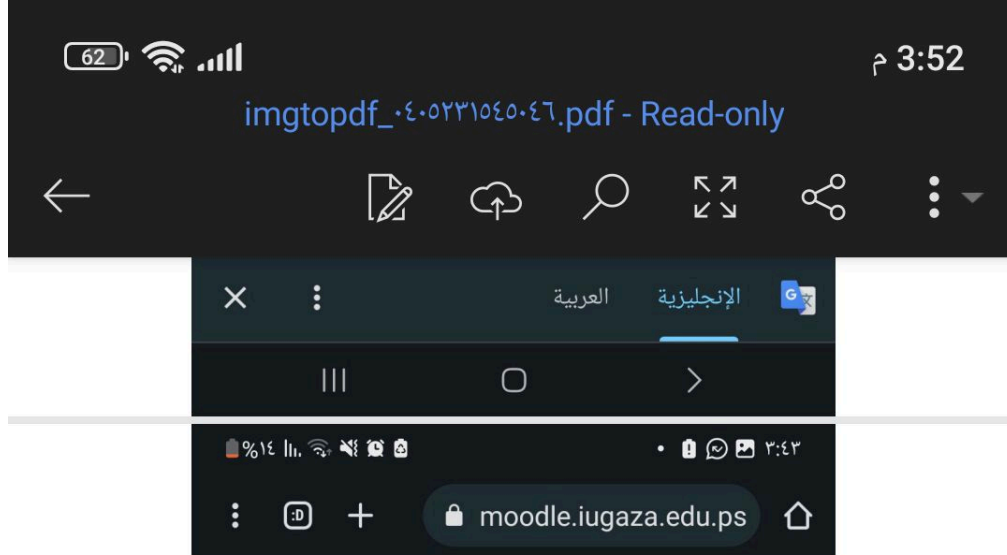


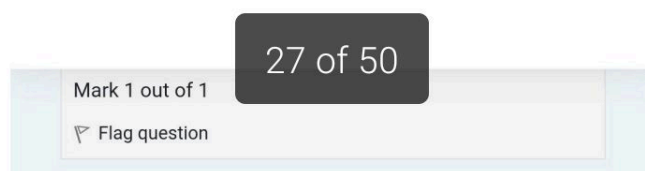
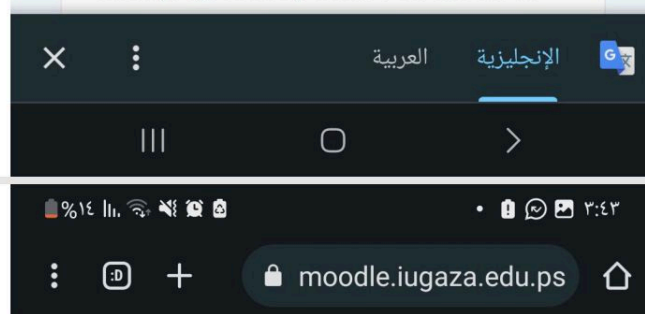
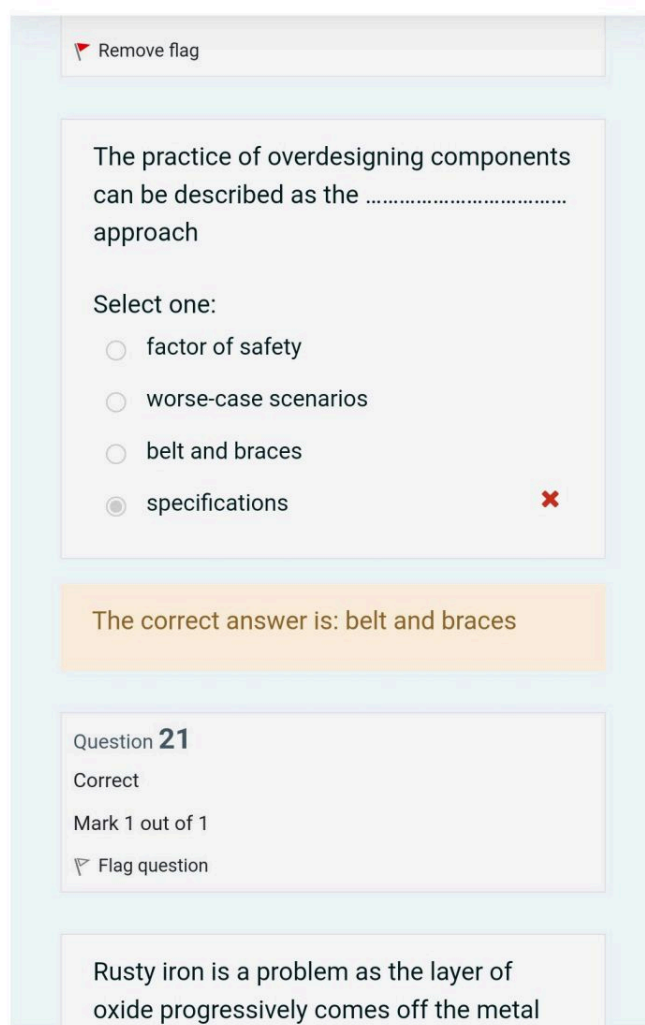
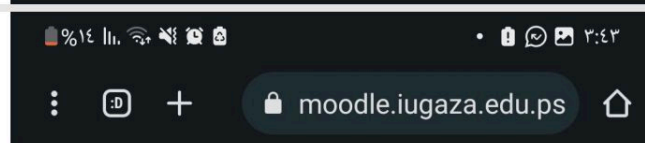
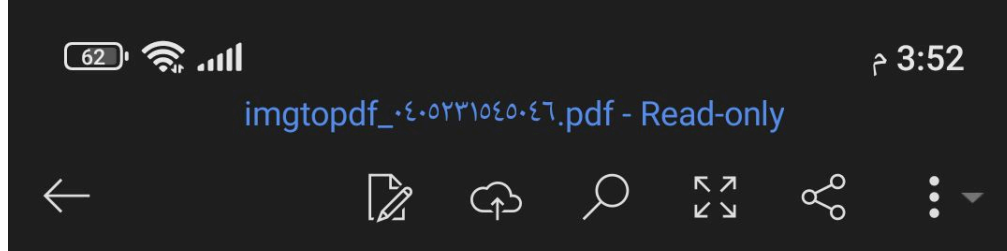


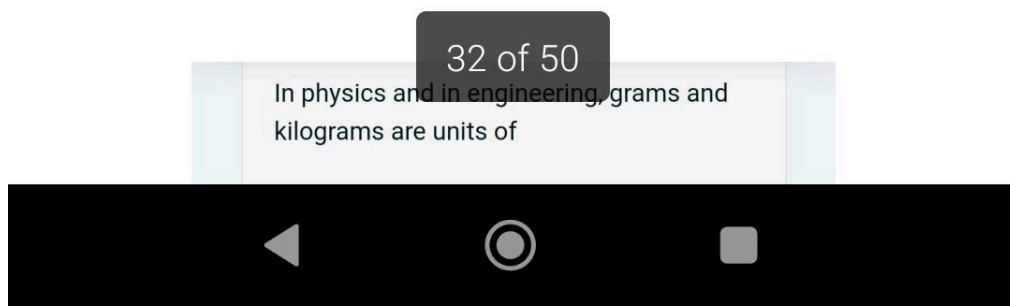
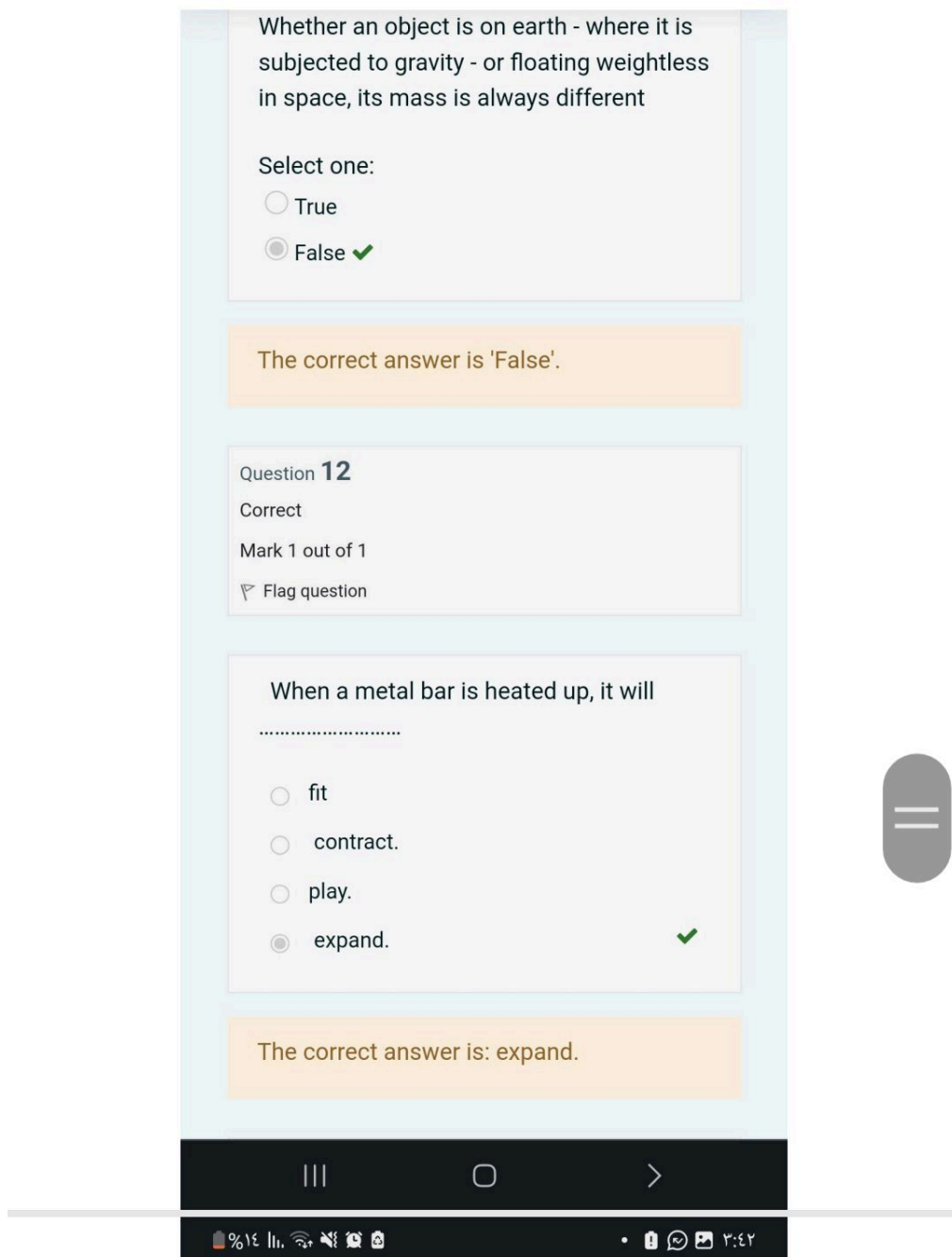
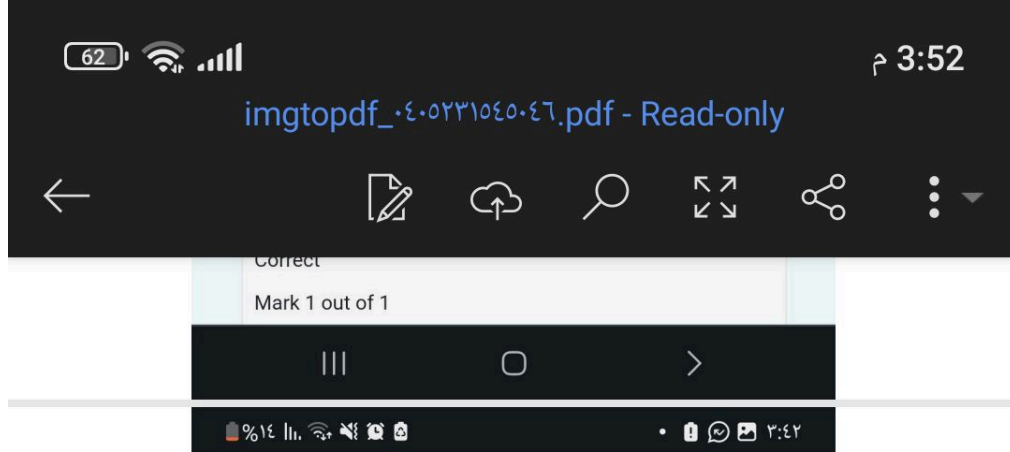


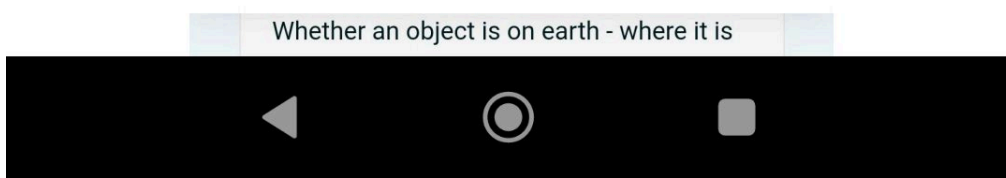
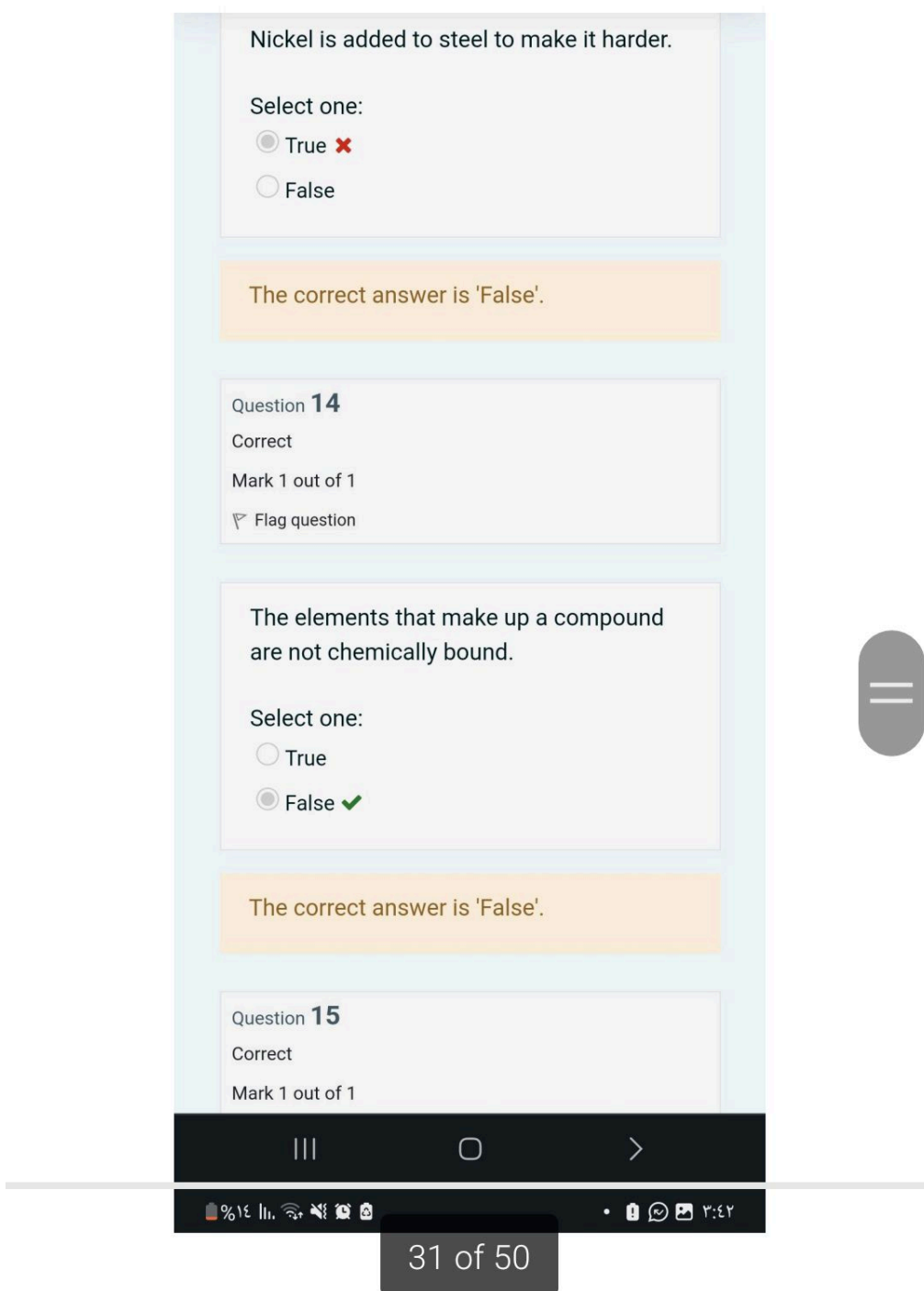
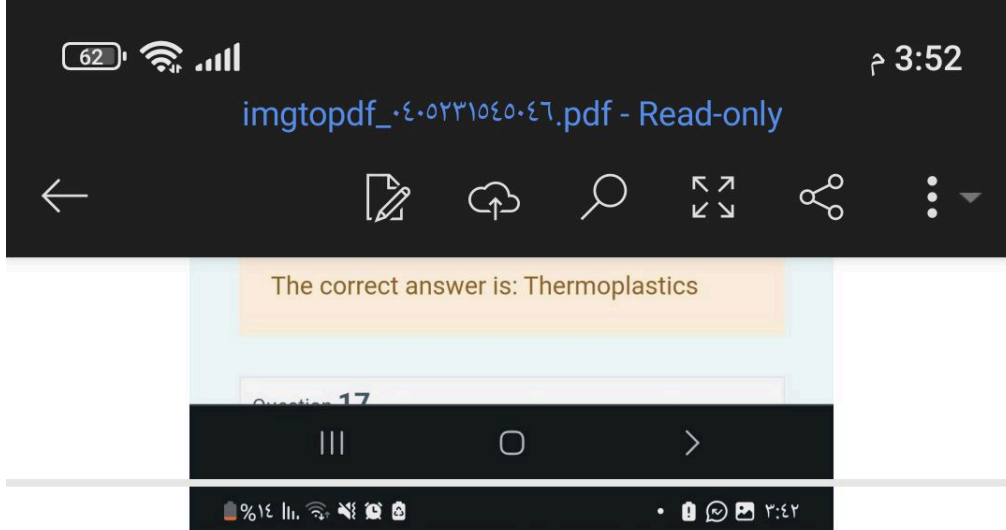














Question 19

Correct

Mark 1 out of 1



Go back to the drawing board means the design is finished.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question 16

Incorrect

Mark 0 out of 1

Flag question

These polymers can be recycled

Select one:

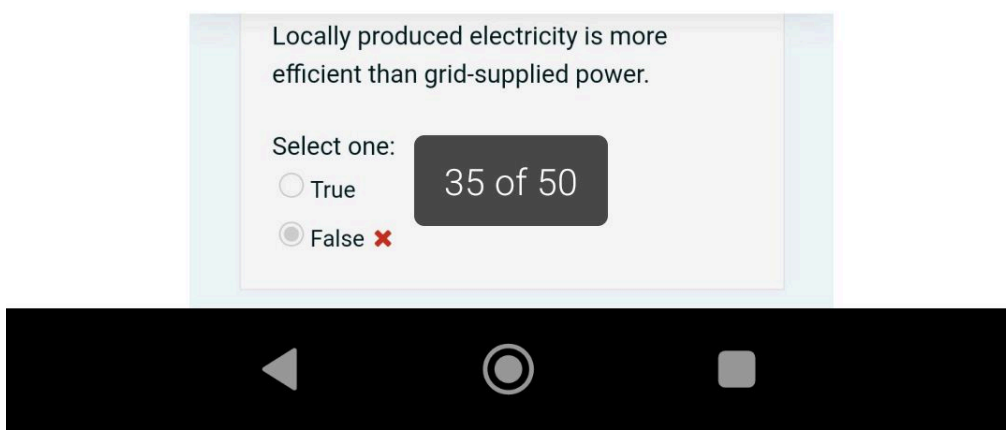
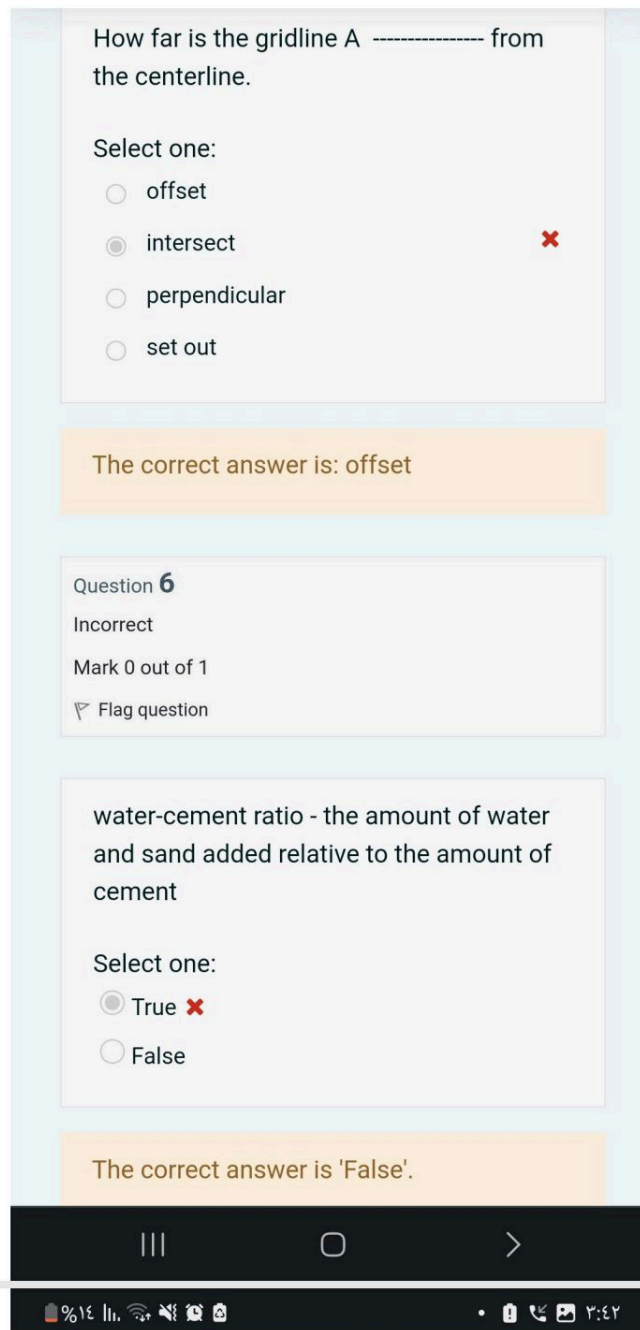
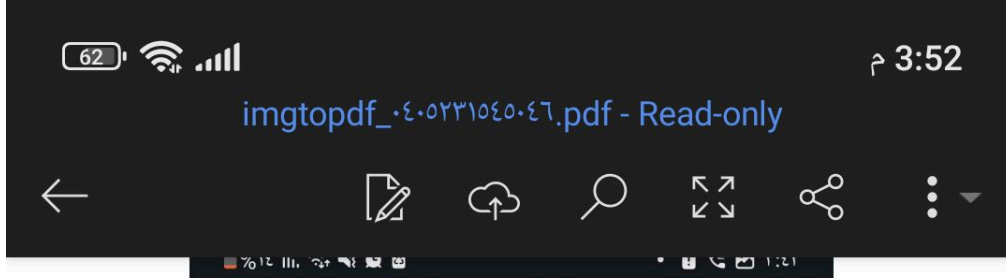
- ☐ Thermosets
- ☐ Thermoplastics
- ☒ epoxy ✗
- ☐ All polymers

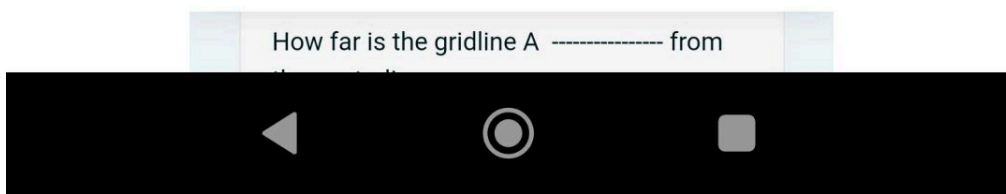
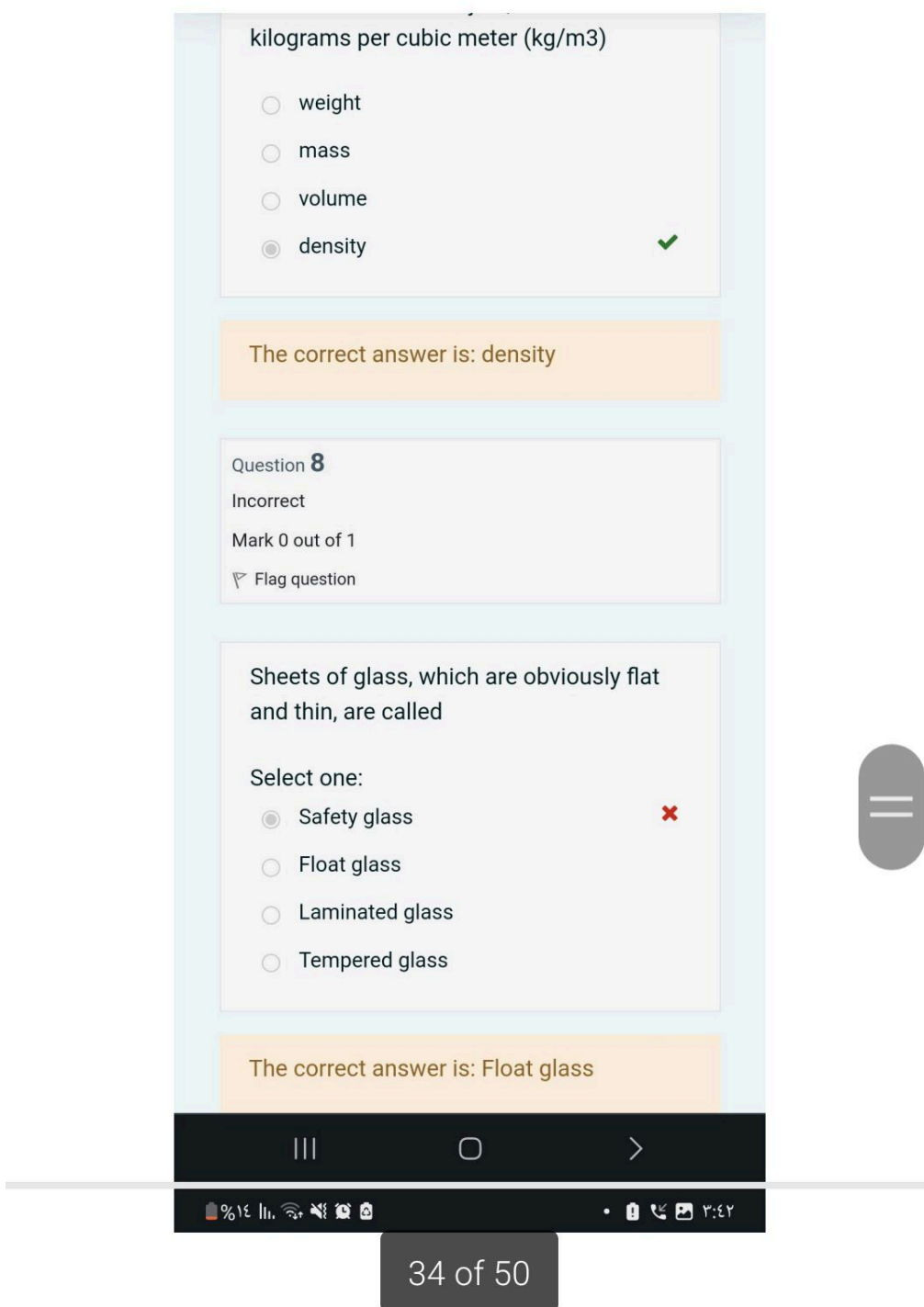
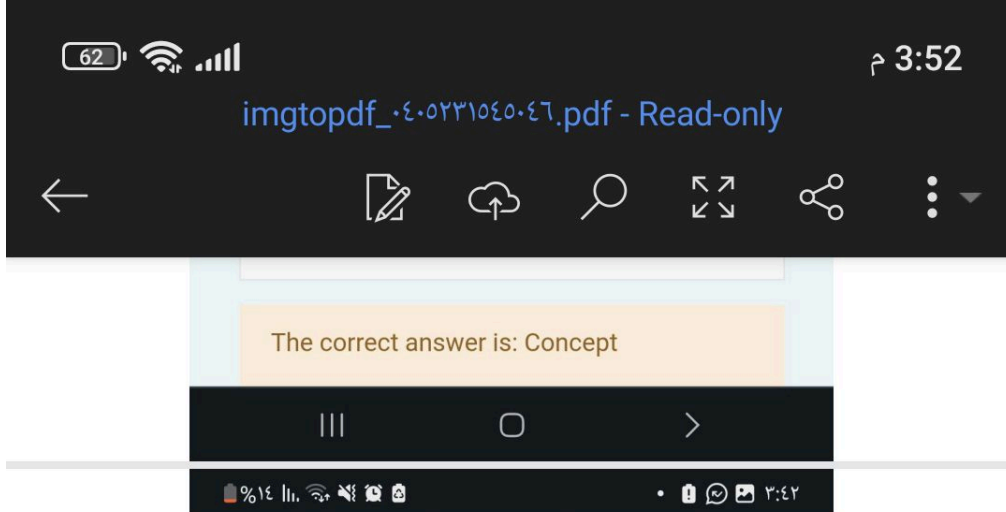
The correct answer is: Thermoplastics

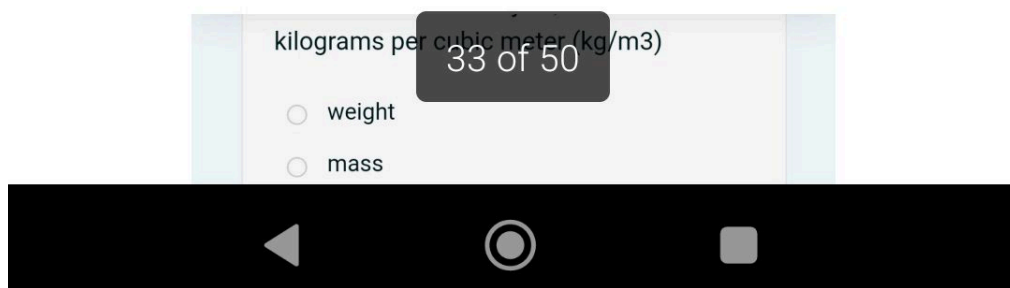
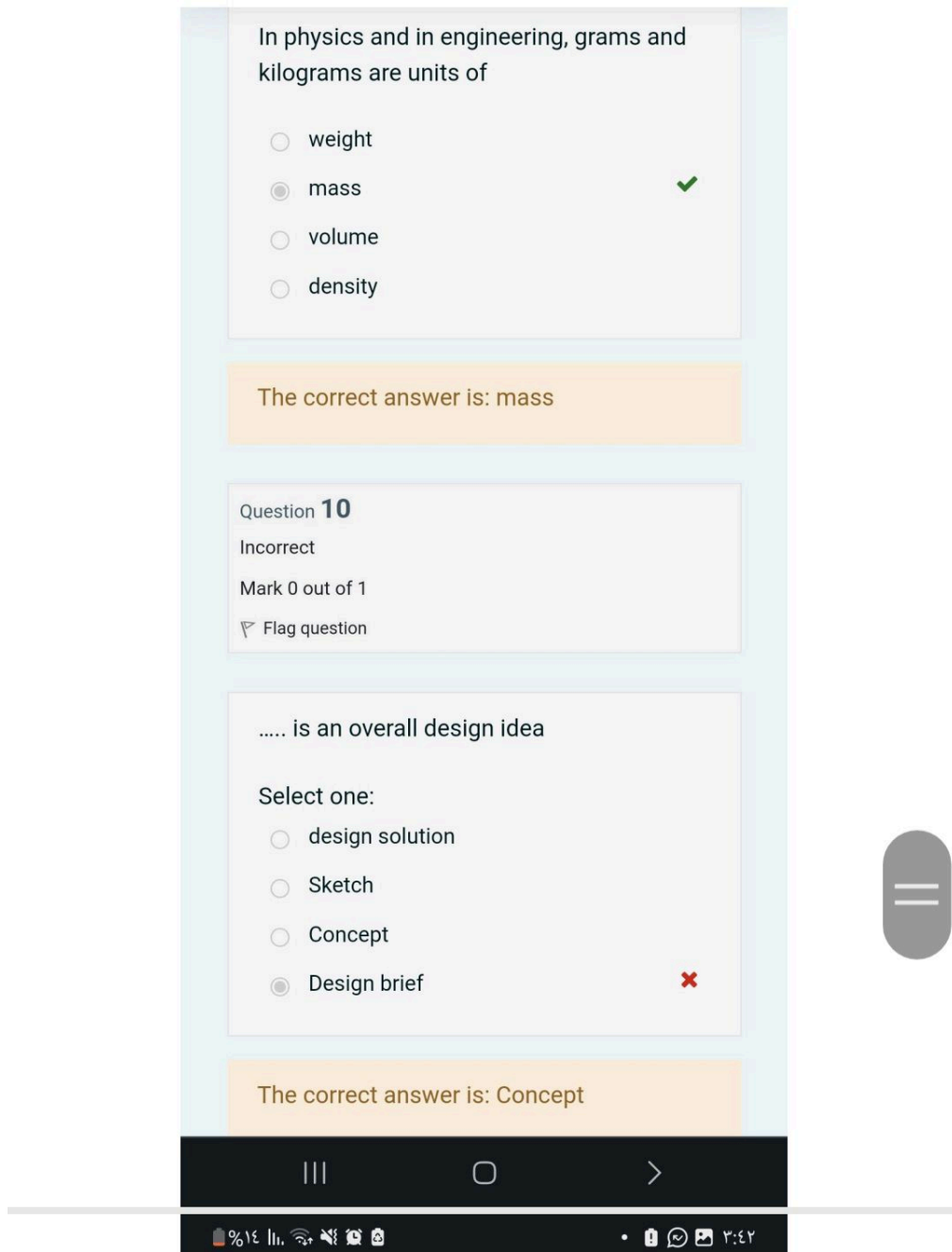
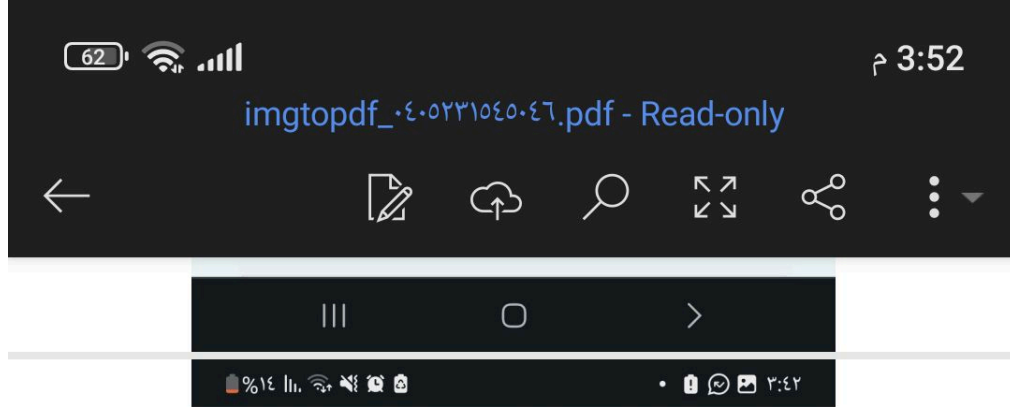
Question 17

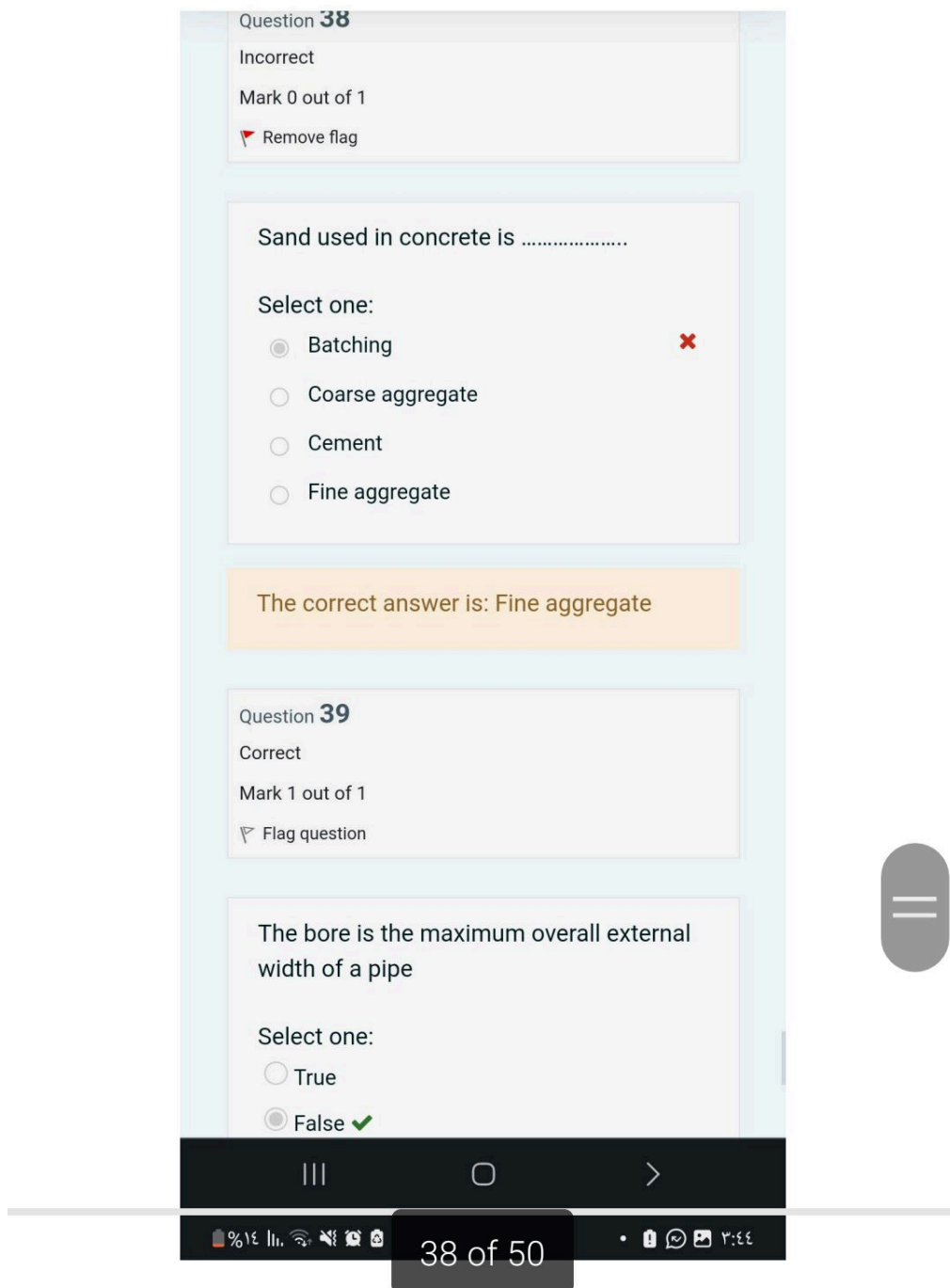
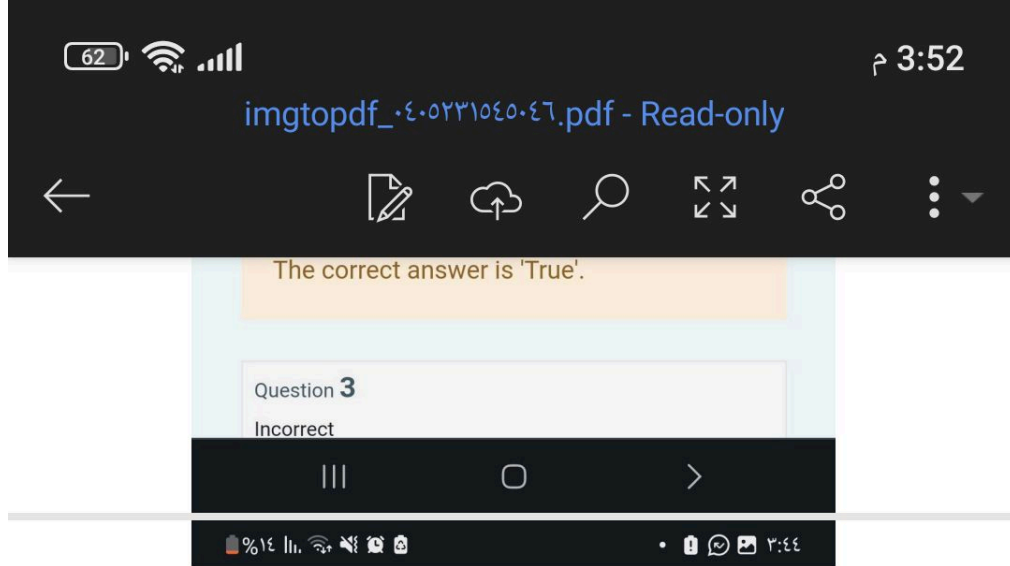


Nickel is added to steel to make it harder.











The correct answer is: an oblique projection



The height of the towers is measured horizontally.

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.

Question 2

Correct

Mark 1 out of 1

Flag question

Diamond, an extremely hard form of carbon

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

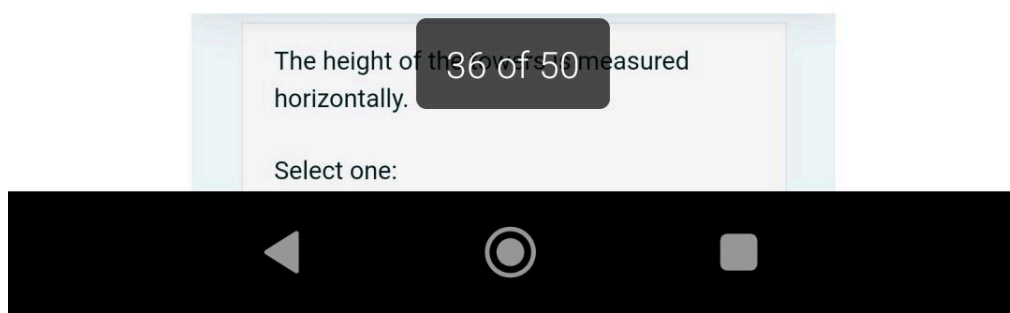
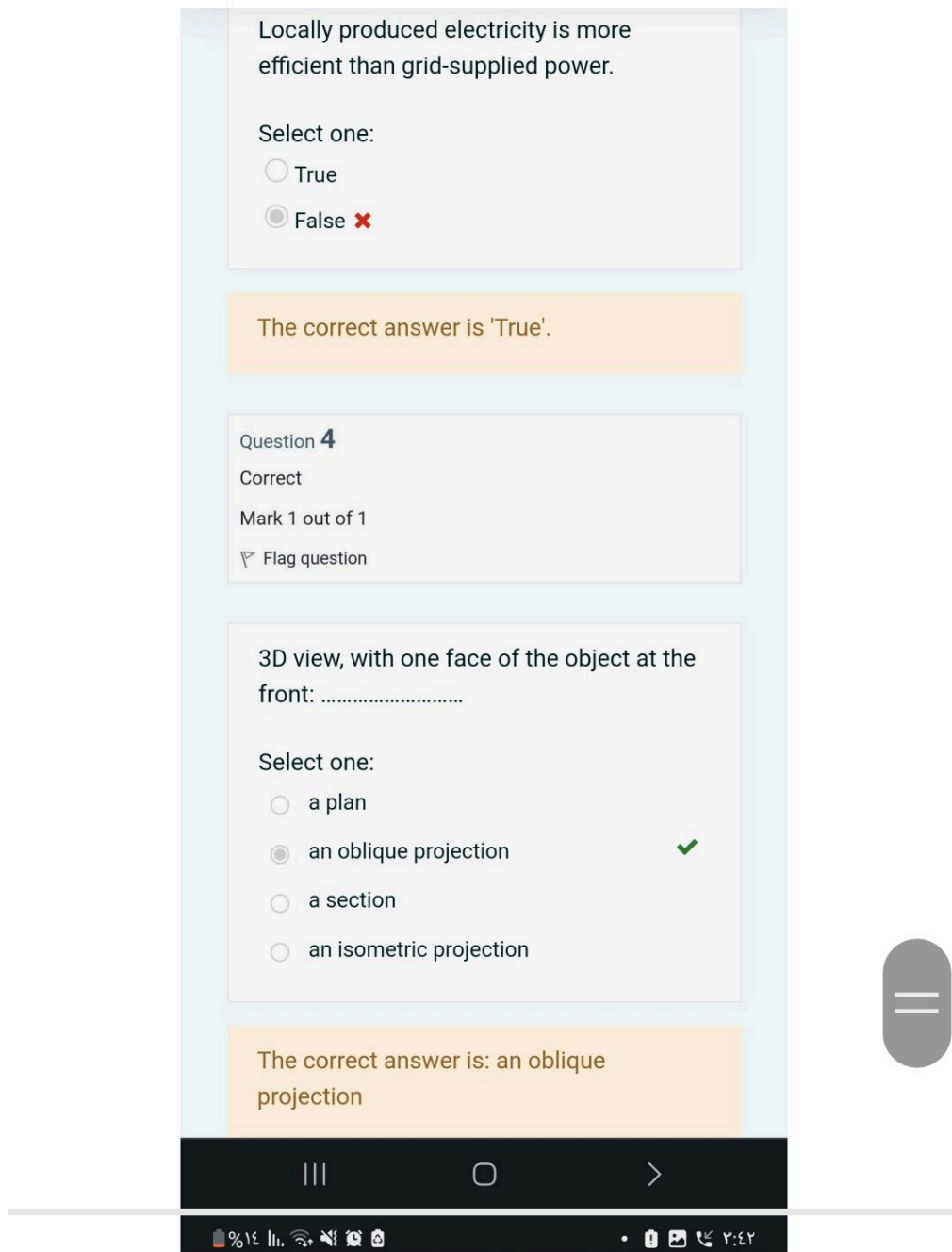
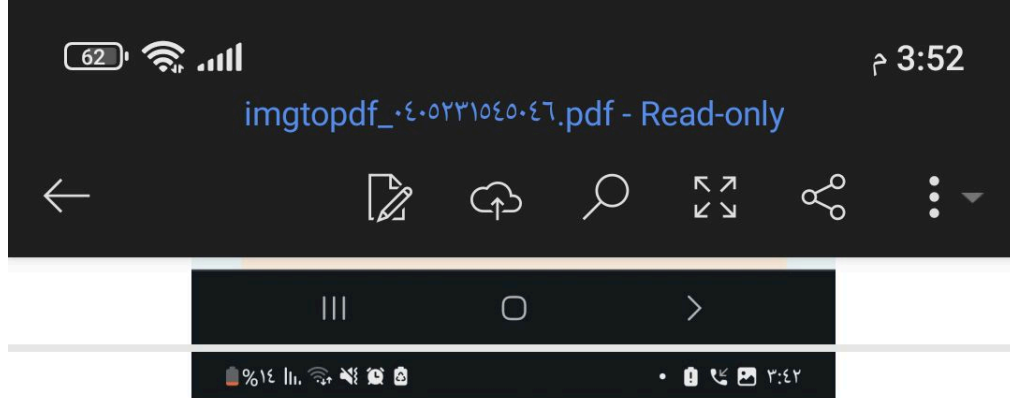
Question 3

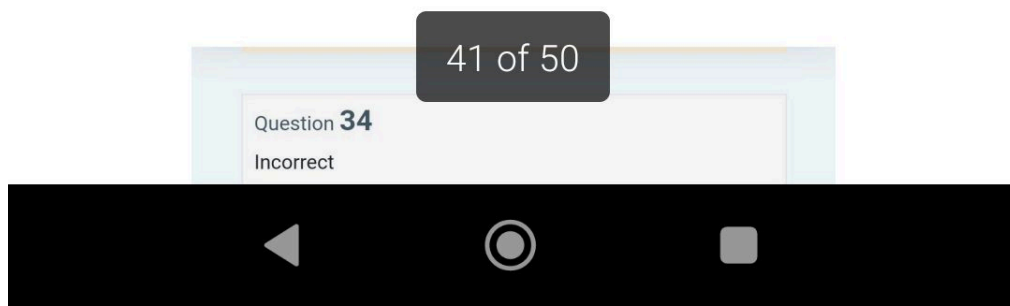
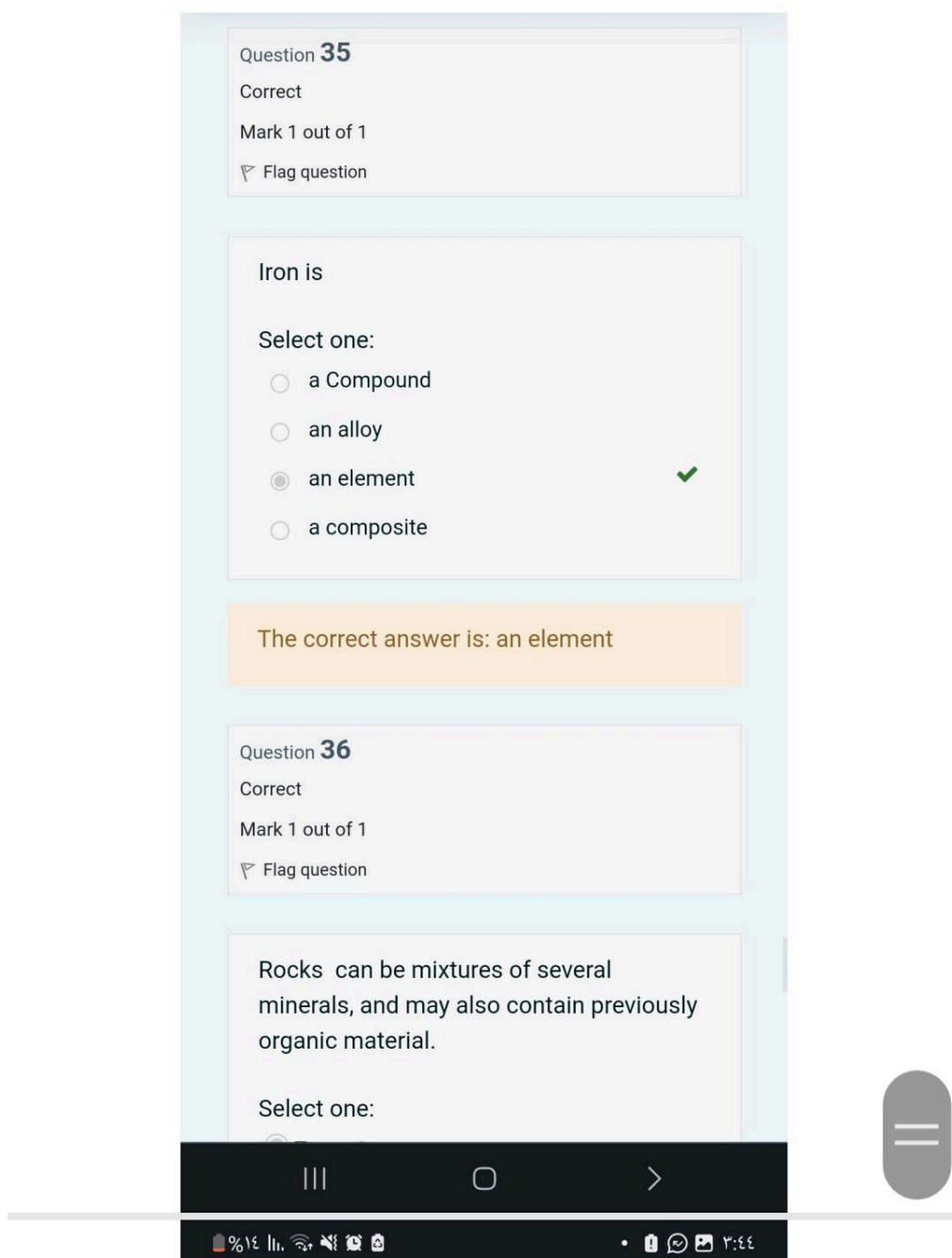
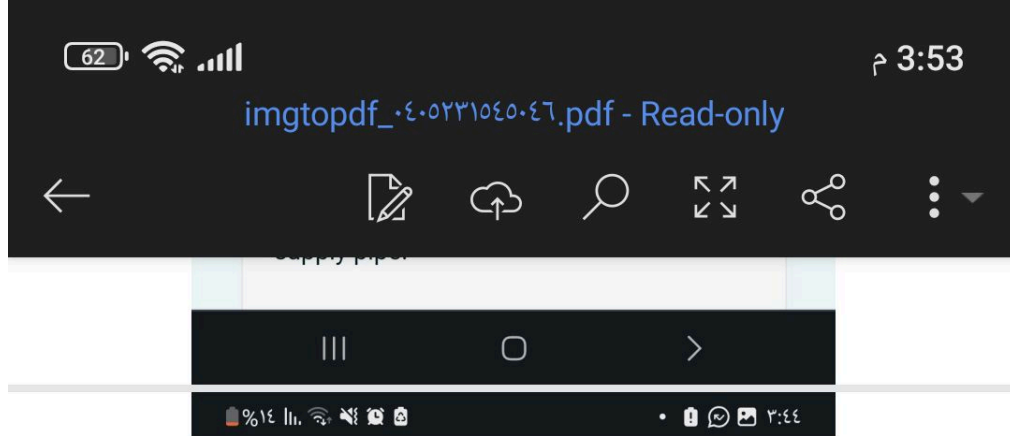
Incorrect

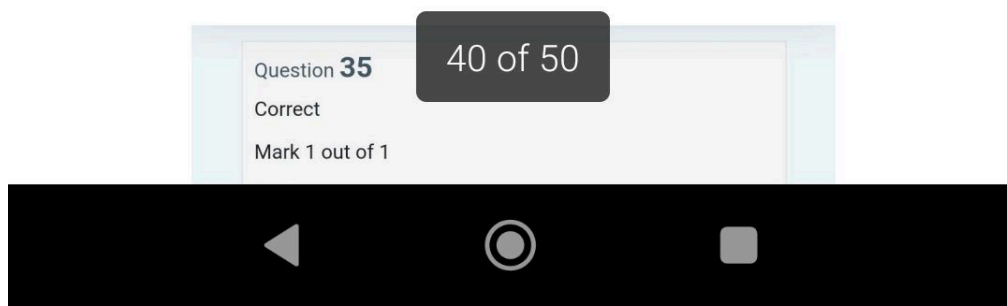
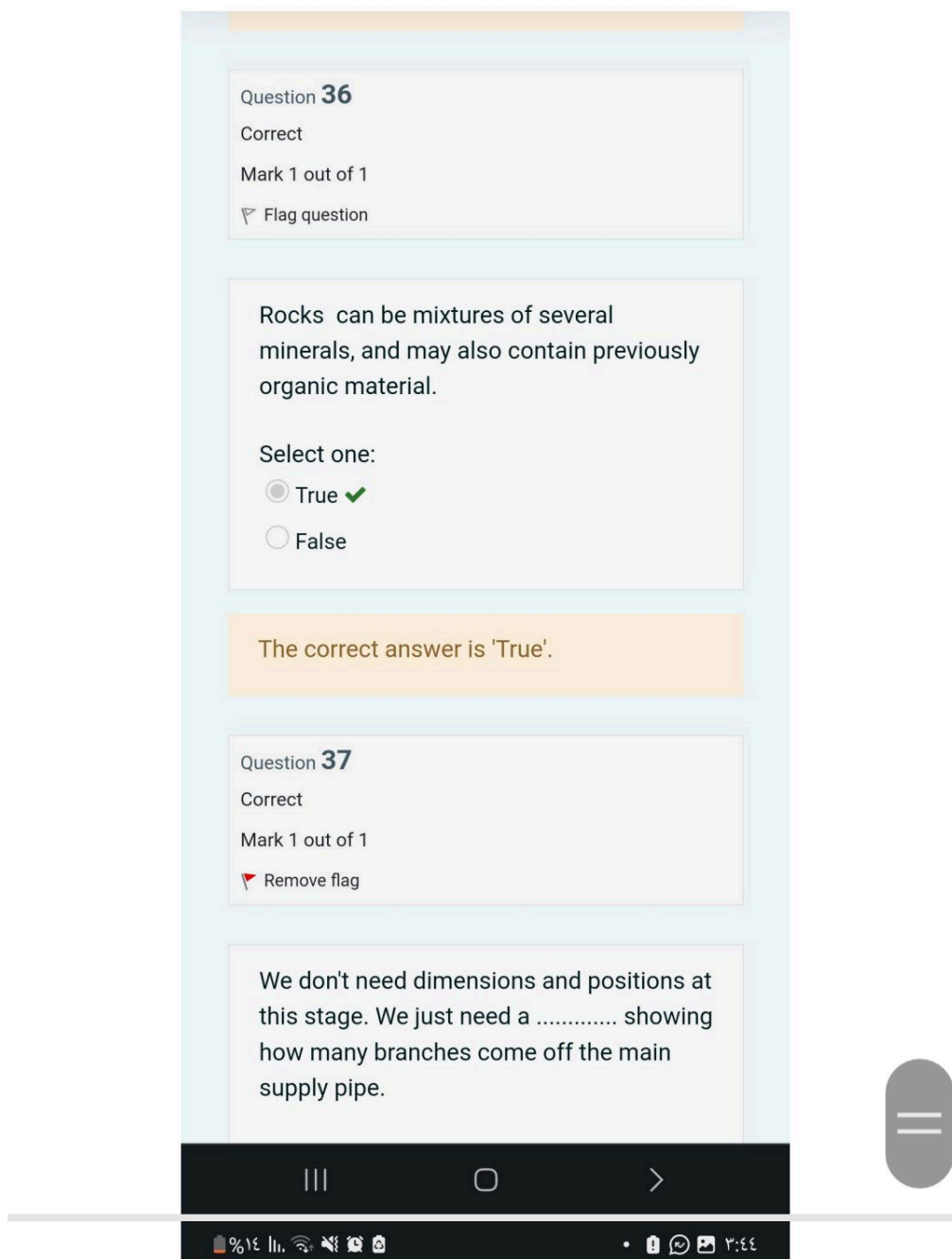
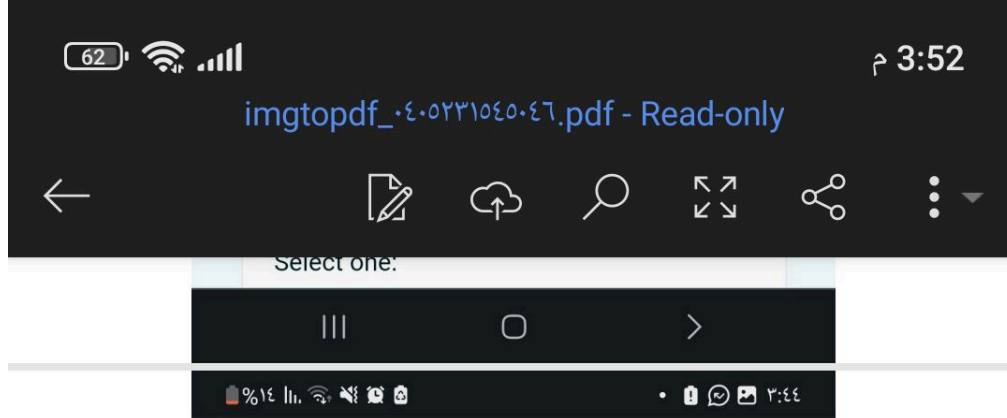


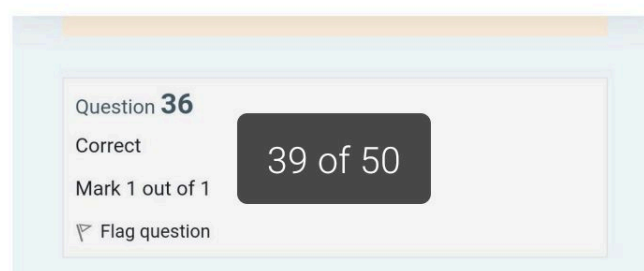
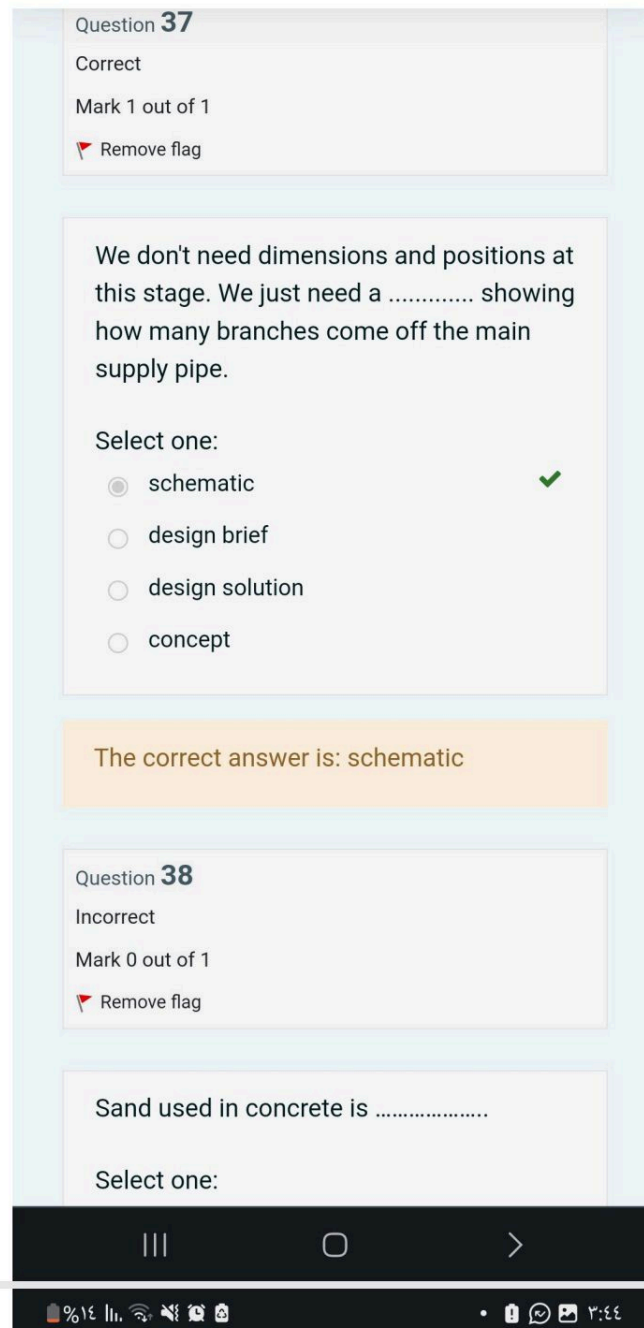
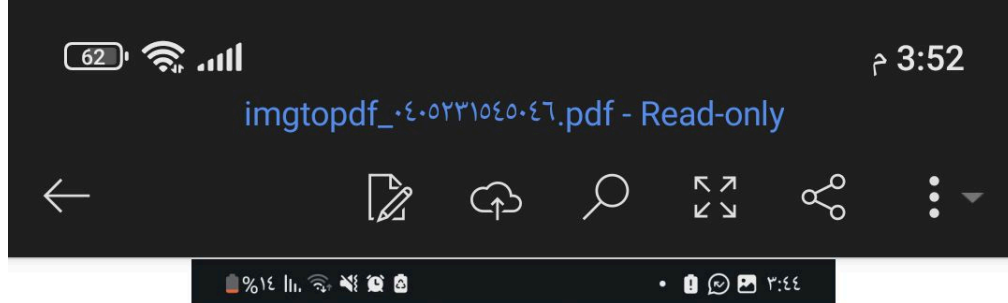
Question 38

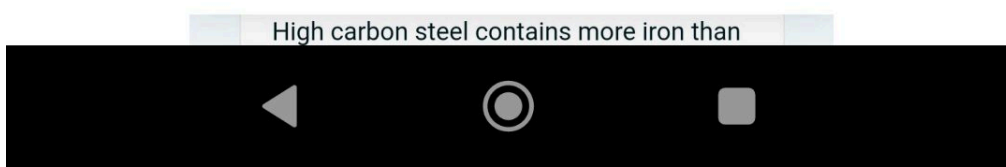
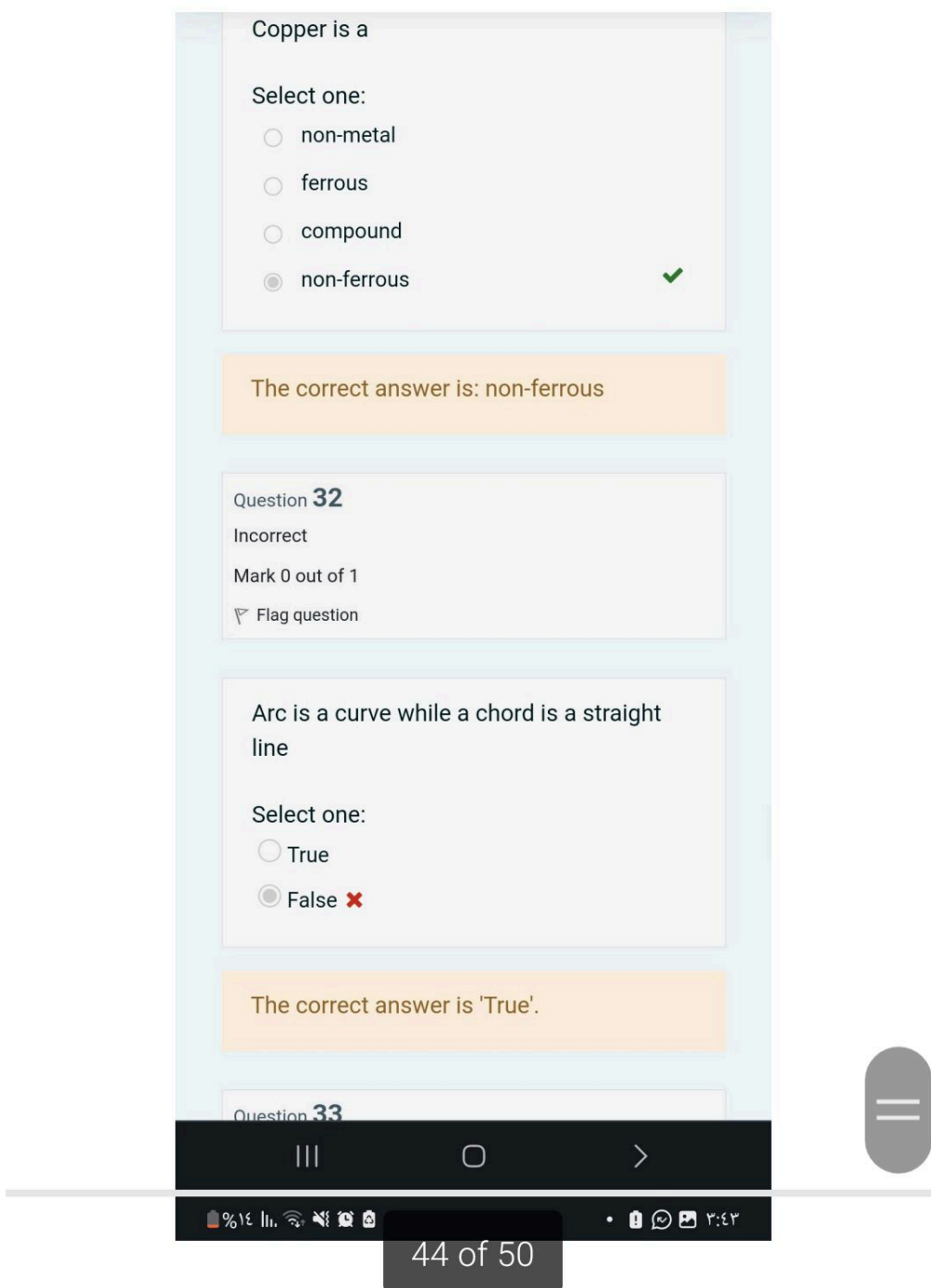
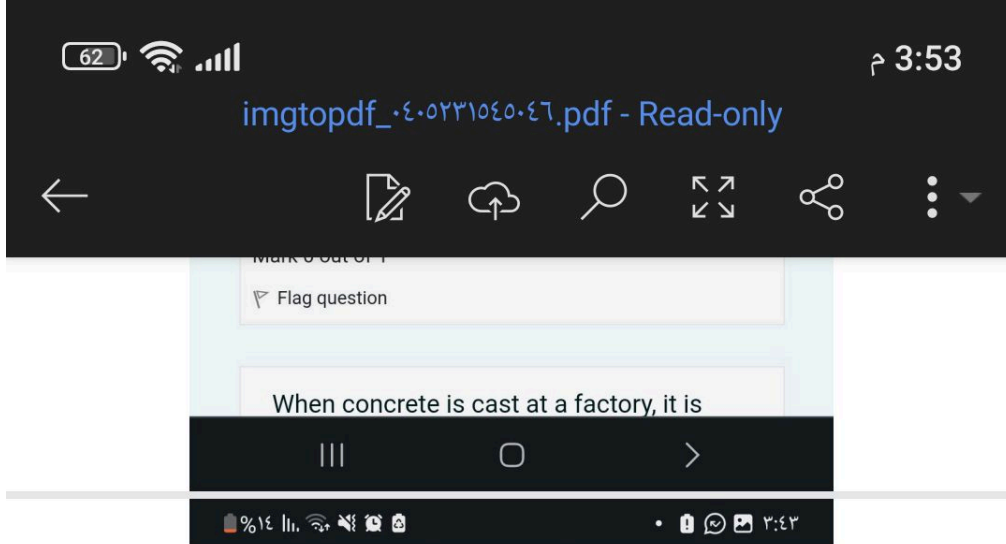
Incorrect













Iron is

Select one:

☐ a Compound



Question 33

Incorrect

Mark 0 out of 1

Flag question

The external wall runs along gridline A, and the internal corridor wall runs along gridline 2, so the walls are to each other

Select one:

- ☐ chain
- ☒ intersect ✗
- ☐ perpendicular
- ☐ parallel

The correct answer is: perpendicular

Question 34

Incorrect

Mark 0 out of 1

Flag question

When concrete is cast at a factory, it is



Copper is a



Rocks can be mixtures of several minerals, and may also contain previously organic material.

Select one:



Question 34

Incorrect

Mark 0 out of 1

Flag question

When concrete is cast at a factory, it is called.....

Select one:

- ☒ Reinforced concrete
- ☐ Precast concrete
- ☐ Fine aggregate
- ☐ in-situ concrete



The correct answer is: Precast concrete

Question 35

Correct

Mark 1 out of 1

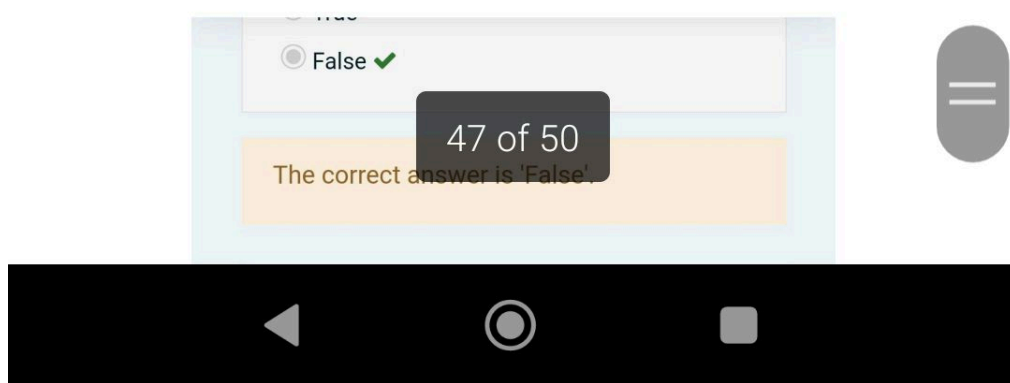
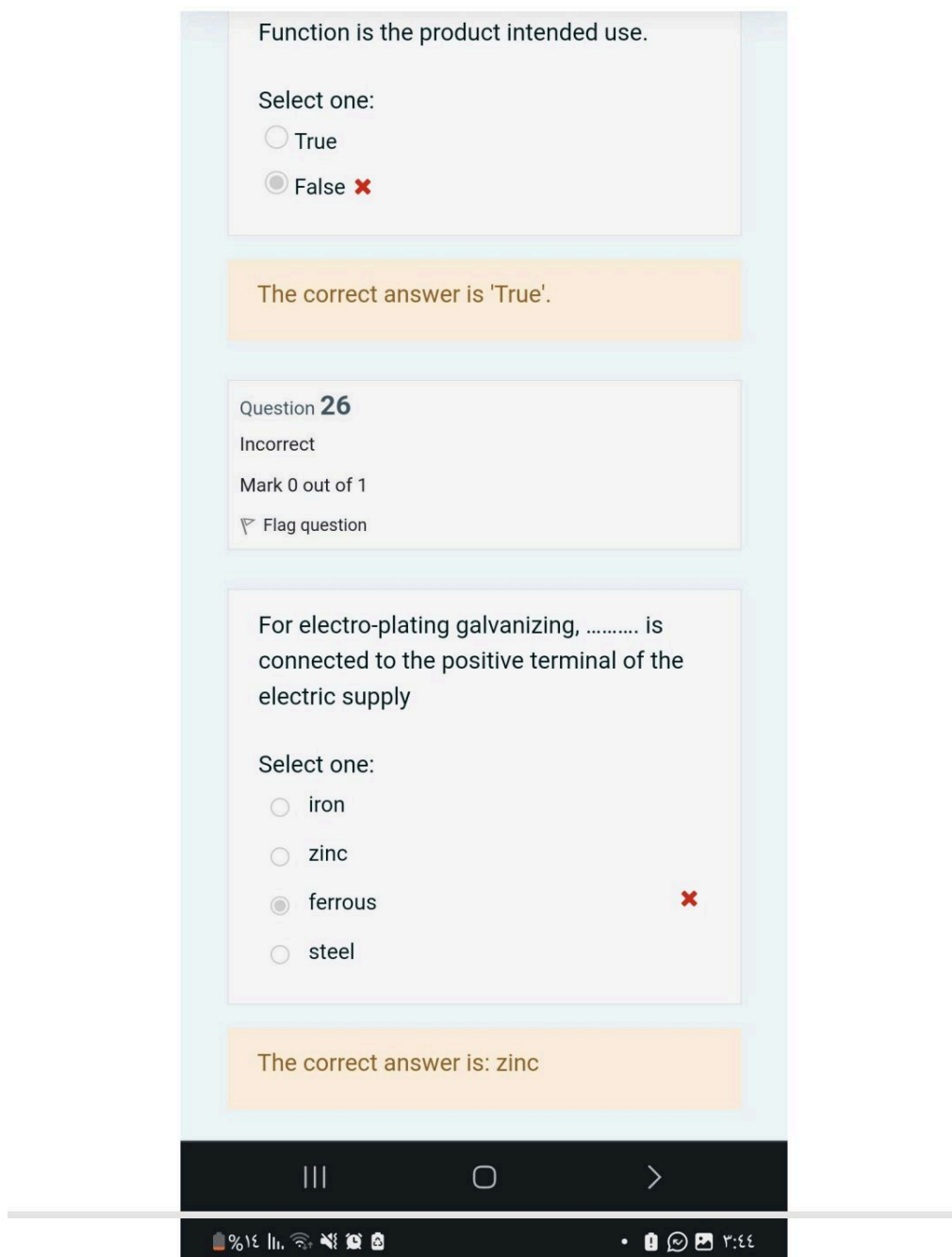
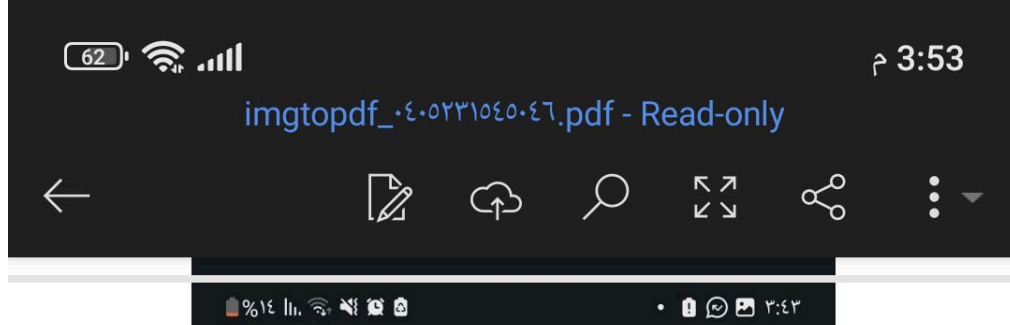
Flag question

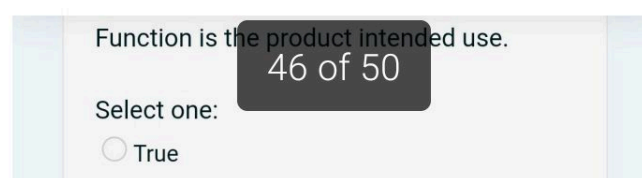
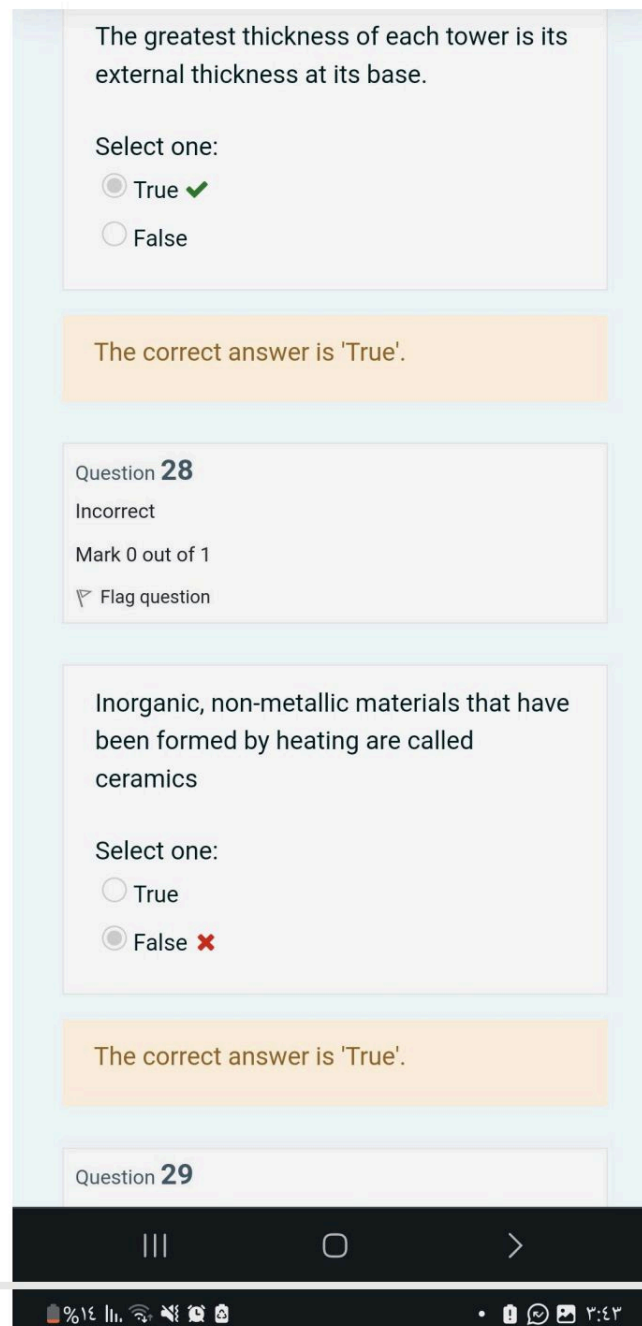
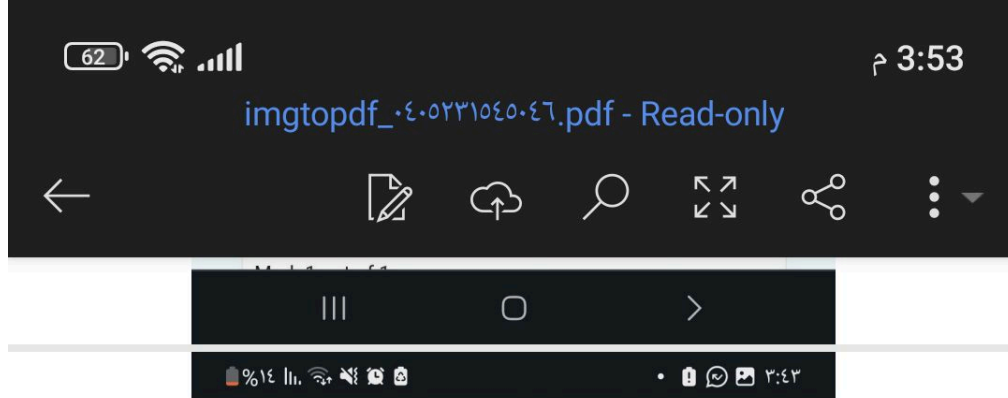
Iron is

Select one:

Compound









The correct answer is 'True'.

Question 33



High carbon steel contains more iron than mild steel

Select one:

☒ True ✖

☐ False

The correct answer is 'False'.

Question 30

Incorrect

Mark 0 out of 1

Flag question

To pass one of the quality tests, the plastic must be an elastomer.

Select one:

☒ True ✖

☐ False

The correct answer is 'False'.

Question 31

Correct

Mark 1 out of 1



