



مراجعات النخبة

بنك الاسئلة

Science



Science Review for April 2025

science

Primary



Second Term

2025

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Exclusive Manger

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مراجعات النخبة من تراست أكاديمي اونلاين 2025

أكاديمية تراست اونلاين ابتدائي-إعدادي-ثانوي

لغات - تجريبي - عربي - أزهرى

ناشيونال - انترناشيونال

(مناهج امريكي - كامبردج - مناهج خليجية)



- متاح حجز مجموعات الشرح الشهرية
- مع فريق اساتذة اعداد مراجعات النخبة
- أنظمة مجموعات شهرية تناسب الجميع
- مجموعات تأسيس لجميع المواد والاعمار
- قسم خاص للغات الاجنبية



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Question 1

choose the correct answer

Unit 3
Concept 3.2

1 The..... is main engine of the water cycle in nature

- (a) Humans (b) solar energy
(c) Rain (d) water treatment plants

2 All of the following are duties of wastewater treatment engineers except....

- (a) monitoring the water treatment process
(b) removing harmful substances from water.
(c) designing bridges to facilitate transportation from cities
(d) designing ways to protect a community from floods

أنت لست ضعيفاً!!

3 All of the following are ways to conserve water except.....

- (a) repairing leaky water tanks
(b) turning off the tap while washing clothes
(c) continuously using the shower for bathing
(d) using small amounts of water when cleaning cars



لقد قطعت كل هذا الطريق لأنك قوي!!

4 Which of the following could lead to the destruction of renewable resources?

- (a) dam construction (b) deforestation
(c) resource protection (d) resource sustainability.

5 The most important sources of salt water are.....

- (a) seas and oceans (b) rivers and groundwater
(c) rain and seas (d) lakes and rivers

6 We used.....to purify unclean water

- | | | | |
|-----|--------------|-----|-----------------|
| (a) | Desalination | (b) | nature reserves |
| (c) | solar panels | (d) | filters |

7 Misuse of fresh water may causeof animals

- | | | | |
|-----|------------|-----|------------|
| (a) | Diversity | (b) | Growth |
| (c) | Extinction | (d) | increasing |

8 Which of the following behaviors leads to water waste?

- (a) reducing bathing time
- (b) irrigating gardens with drip irrigation
- (c) overwatering gardens
- (d) turning off the tap while brushing your teeth.

9 To conserve renewable resources, we must

- | | | | |
|-----|------------------|-----|-----------------------------|
| (a) | polluting water. | (b) | polluting soil |
| (c) | polluting air | (d) | using resources sustainably |

11 Thecontains a mixture of fresh and salt water

- | | | | |
|-----|-------|-----|---------|
| (a) | River | (b) | Stream |
| (c) | sea | (d) | estuary |

12 When a flood occurs and causes erosion of the riverbank, the interaction occurs between..... and.....

- | | | | |
|-----|----------------------------|-----|---------------------------|
| (a) | atmosphere and hydrosphere | (b) | geosphere and hydrosphere |
| (c) | atmosphere and geosphere | (d) | biosphere and geosphere |

13 Objects move under the effect of two forces:

- | | |
|---------------------|-----------------------|
| (a) pull and push | (b) pull and wind |
| (c) pull and magnet | (d) rotation and push |

14 The force of gravity causes.....

- (a) The Moon's rotation around Earth
 (b) The Earth's rotation around the Sun
 (c) Objects fall towards Earth
 (d) All of the previous



15 Which of the following objects has the greater gravity?

- | | |
|-------------|----------|
| (a) Earth | (b) Moon |
| (c) Jupiter | (d) Sun |

16 Which of the following causes an increase in the force of attraction between two objects?

- (a) Increasing the distance between them
 (b) Increasing their masses
 (c) Decreasing their masses
 (d) Increasing the force of friction



17 The force that returns the ball after it is thrown upward is the force of.....

- | | |
|-------------|--------------|
| (a) Push | (b) Friction |
| (c) Gravity | (d) pull |

18 If the distance between the Earth and the Moon increases, the force of attraction between them will.....

- (a) Increase (b) Disappear
(c) Decrease (d) unchanged

19 Magnetic force is considered a force of.....

- (a) push only (b) pull only
(c) Friction (d) push or pull

20 Gravity is considered a..... force

- (a) Push (b) Friction
(c) Visible (d) pull

21 When the..... of an object increases, its gravity increases

- (a) Motion (b) Mass
(c) Resistance (d) distance

22 A magnet pulls metal paper clips because of.....

- (a) gravitational force (b) Wind
(c) air resistance (d) magnetic force

23 The planets revolve in fixed orbits around the sun under the effect of the gravity of

- (a) Earth (b) Moon
(c) Jupiter (d) Sun

24 The force of is generated between two touching surfaces and slows the movement of objects

- | | | | |
|-----|-----------|-----|----------|
| (a) | Gravity | (b) | Push |
| (c) | Magnetism | (d) | friction |



25 The force that returns a ball to the ground after it has been thrown upward is.....

- | | | | |
|-----|----------------|-----|---------------------|
| (a) | air resistance | (b) | frictional force |
| (c) | magnetic force | (d) | gravitational force |

26 pulls skydivers upward to slow their fall toward the ground

- | | | | |
|-----|------------------|-----|----------------|
| (a) | Frictional force | (b) | Magnetism |
| (c) | Gravity | (d) | Air resistance |

27 When an object is thrown vertically upward, it

- (a) moves at a great speed toward space
- (b) returns to Earth under the effect of gravity
- (c) floats in space due to the absence of gravity
- (d) remains suspended because the gravity between it and Earth is equal

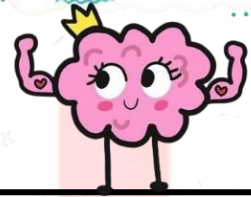
28 Wind turbine blades move by the effect of.....

- | | | | |
|-----|-------------|-----|-------------|
| (a) | Magnetism | (b) | Wind |
| (c) | Electricity | (d) | water vapor |

29 All the following are properties of magnetism, except

- (a) it is an invisible force
- (b) it may push another magnet away
- (c) it is pushing force only
- (d) it may be pushing or pulling force

لا تنسى انك
قدها و قدور



30 Any object has mass must have.....

- | | |
|--------------------|---------------------|
| (a) definite color | (b) gravity force |
| (c) definite shape | (d) electric charge |

31 A table stands on the ground needsto move.

- | | |
|--------------|-----------|
| (a) sunlight | (b) force |
| (c) Mass | (d) air |

32 Friction forcethe movement of objects.

- | | |
|---------------|--------------------|
| (a) Increases | (b) slows down |
| (c) speeds up | (d) doesn't affect |

33 Magnetism is a force that attracts objects made of the following materials,

except.....

- | | |
|----------|------------|
| (a) Iron | (b) Nickel |
| (c) Wood | (d) cobalt |

34is considered as a type of friction force

- | | |
|--------------------|--------------------|
| (a) Air resistance | (b) Magnetism |
| (c) Gravity | (d) Electric force |

35 When a basketball falls down from a height, it is affected by.....

- (a) air resistance force only
- (b) gravity force only
- (c) air resistance and gravity force.
- (d) air resistance and electric force



36is a factor that acts against gravity force

- | | | | |
|-----|----------------|-----|--------------------|
| (a) | Magnetism | (b) | Mass of an object |
| (c) | Air resistance | (d) | Shape of an object |

37 Which of the following objects will take longer time to reach the ground if they are dropped from 5 meter height at the same time?.....

- | | | | |
|-----|--------------|-----|---------------|
| (a) | An iron nail | (b) | A feather |
| (c) | A pencil | (d) | A paper clip. |

38 Gravity is..... force that holds all objects in their places

- | | | | |
|-----|-------------------|-----|-------------------|
| (a) | visible pulling | (b) | visible pushing |
| (c) | invisible pulling | (d) | invisible pushing |

39 The planets revolve around the Sun in fixedorbits

- | | | | |
|-----|-------------|-----|------------|
| (a) | Oval | (b) | Irregular |
| (c) | Rectangular | (d) | triangular |

40 The speed of Earth's revolution around the Sun is nearly..... km per hour

- | | | | |
|-----|-------------------|-----|-------------------|
| (a) | more than 100,000 | (b) | more than 200,000 |
| (c) | less than 100,000 | (d) | less than 50,000 |

41is (are) the center of the solar system.

- (a) Earth (b) The Sun
(c) Earth and the moon (d) Earth and the Sun

Unit4
Concept 4.2

42 Day and night phenomenon occurs due to the rotation of Earth around.....

- (a) the Sun (b) its axis
(c) the moon (d) the solar system.

43 The Earth rotates around itself once every.....

- (a) 24 hours (b) 365 days
(c) 365 hours (d) 24 days

44 The Earth's axis is an imaginary line that passes through.....

- (a) the two poles of Earth (b) the center of the moon
(c) the center of the solar system (d) the center of the Sun

45 The Sun appears in theduring the early morning

- (a) East (b) West
(c) North (d) south

في وسط العتمه هتلاقى
نور اطفيه ونام.



46 If you travel from your country to another, the Sun will.....

- (a) rise in the west and set in the east
- (b) rise in the south and set in the north.
- (c) rise in the east and set in the west
- (d) rise in the north and set in the south

47 When half of Earth faces the Sun so, it has..... and the other half has.....

- (a) day – day
- (b) night-day
- (c) day – night
- (d) night-night.

48 The Earth's axis is.....

- (a) Vertical
- (b) Horizontal
- (c) Circular
- (d) real

49 Orbiting of Earth around the Sun causes the.....

- (a) cycle of day and night
- (b) cycle of seasons
- (c) increasing the speed of Earth
- (d) decreasing the speed of Earth

50 The number of stars in the solar system is.....

- (a) One
- (b) Eight
- (c) Nine
- (d) two

51 The Earth rotates..... on its axis.

- (a) Clockwise
- (b) Counterclockwise
- (c) from north to south
- (d) from south to north

52 The solar system consists of some..... revolve around.....

- (a) Sun-planets. (b) moons planets
(c) planets – Sun (d) planets-moon

53 Jupiter is a..... and it has of..... rotation on its axis

- (a) moon highest speed (b) planet - lowest speed
(c) star-lowest speed (d) planet-highest speed

54 The fastest planet that rotates on its axis in the solar system is.....

- (a) the Sun (b) Earth
(c) Jupiter (d) the moon

55 The rotation of Earthatcauses day and night phenomenon

- (a) around the Sun-high speed (b) on its axis-high speed
(c) around the moon low speed (d) on its axis-low speed

56 Formation of shadows of objects happens due to.....

- (a) revolution of Earth around the Sun
(b) revolution of Earth around the moon.
(c) appearance of stars as they move in the sky
(d) appearance of the Sun as it moves in the sky

57 Ancient Egyptians invented.....which depends on the movement of.....to know the time of the day

- (a) the balance – time (b) the sundial – time
(c) the telescope – distance (d) the sundial - shadows

58 Lengths and angles of shadows of objects are affected by.....

- (a) the change in the position of the Sun in the sky
- (b) the distance between Earth and the Sun
- (c) the revolution of Earth around the Sun.
- (d) the revolution of the moon around Earth

59 The shortest shadow of an object happens.....

- (a) in morning
- (b) in afternoon
- (c) at noon
- (d) at night

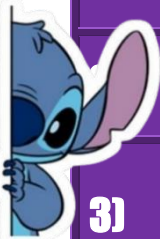
Question 2

Put (✓) or (x)

Unit3
Concept 3.2

1)	Water is a recyclable resource	()
	Dams are used to filter polluted water for reuse.	()
3)	Overconsumption of natural resources helps conserve them	()
4)	The ocean floor contains mountains and plains	()
5)	The total amount of water on Earth does not change, even if its state changes	()
6)	No interactions occur between living organisms and the hydrosphere on Earth's surface	()
7)	The Earth's gravity is greater than the Moon's gravity	()

Unit4
Concept 4.1



8)	Whenever the mass of an object increases, its gravitational force decreases	()
9)	Magnetic force is considered only a pulling force	()
10)	The force of gravity exists only between objects in touch	()
11)	Objects fall downward due to frictional force	()
12)	Gravity is considered a visible force, while magnetism is an invisible force	()
13)	Gravity is similar to magnetism because both of them has only pulling force.	()
14)	Friction increases the speed of an object	()
15)	Air resistance does not decrease the speed of a moving object	()
16)	Gravity affects the speed of planets rotation around the sun	()
17)	An orbit is a spherical shape in which the planets revolve around the sun	()
18)	Planets revolve around the sun in fixed orbits under the effect of the sun's gravity	()
19)	Light objects reach Earth faster than heavy objects in the absence of air resistance	()
20)	Planets revolve around the Sun in fixed orbits due to the effect of gravity	()

21)	Small planets have bigger gravity than other planets.	()
22)	All objects on Earth's surface is affected by magnetism force	()
23)	All objects are pulled toward the ground due to the effect of gravity	()
24)	Any object on Earth's surface is affected by repulsion force of gravity	()
25)	Air resistance slows down the speed of parachutes	()
26)	Earth pulls living organisms only toward its center	()
27)	Force of gravity can be seen easily, but we cannot see its effects	()
28)	Magnetism is a type of friction force	()
29)	Air resistance is a factor that speeds up the falling objects toward Earth	()
30)	There is no air in space so, air resistance slows down the movement of objects through space	()
31)	If there is no air resistance on Earth, all objects will reach the Earth's surface at the same moment when dropping them from the same height	()
32)	The planets revolve around the Sun by the effect of gravitational pushing force	()
33)	The orbit of each planet has an ellipse shape	()

34)	The scientist Nicolaus Copernicus stated that Earth revolves around the Sun	()
35)	The apparent motion of the Sun occurs due to the rotation of Earth on its axis.	()
36)	The Sun rises in the east and sets in the west	()
37)	The Earth's axis is an imaginary line passes through Earth's poles	()
38)	At the beginning of the day the Sun appears in the east direction	()
39)	The Earth revolves around the Sun once every 24 hours	()
40)	The spinning of Earth on its axis is called revolution	()
41)	Most of stars don't appear moving in the sky	()
42)	All parts of Earth receive sunlight at the same time.	()
43)	Earth revolves around the Sun once every one day	()
44)	Earth's revolution around the Sun causes day and night phenomenon	()
45)	The repetition of series of events in the same order is called cycle	()
46)	The solar system includes the Sun and Earth only.	()
47)	Earth's rotation on its axis causes the cycle of day and night	()

Unit4
Concept 4.2

48)	The Sun doesn't revolve around Earth	()
49)	Planets of the solar system rotate on their axes with different speeds	()
50)	The position of the shadow of Cairo Tower will not change during the day	()
51)	Ancient Egyptians were able to know the time by inventing the first sundial.	()
52)	Lengths of shadows of different objects don't change during the day.	()

Question 3

Complete the following sentences

Unit3
Concept 3.2

1)	Excessive use of well water leads to (.....)
2)	Water is considered one of the (.....) resources on the Earth's surface
3)	Floods occur when the amount of rainfall in rivers (.....)
4)	Wastewater engineers in Egypt work in (.....)
5)	Water can be controlled and conserved by (.....)
6)	Rocks cracking by water occur due to the interaction of the hydrosphere and (.....)
7)	Some worms take the soil as shelter and this explain the interaction between the biosphere and (.....)

8)	Gravity is a type of (.....)
9)	Earth's gravitational force pulls objects (.....)
10)	The (.....) revolves around Earth in a fixed orbit due to gravity.
11)	When the distance between two objects decreases, the gravitational force between them (.....)
12)	If the Moon's mass increases, the gravitational force between it and Earth (.....)
13)	Whenever the (.....) of an object increases, its gravity increases
14)	The force of gravity between two objects decreases as the (.....) between them increases
15)	The planets revolve around the sun in a (.....) orbit
16)	The (.....) reduces the speed of an object's movement in the air.
17)	Air resistance acts (.....) to the direction of Earth's gravity
18)	Magnets have a strong attraction to certain metals, such as (.....)
19)	The (.....) holds objects on Earth's surface
20)	The moon revolve in fixed (.....) around the Earth due to Earth's (.....)

21)	The object at rest needs (.....) to move
22)	A magnet can attract some objects by a force called (.....)
23)	The astronauts float in space due to the absence of (.....)
24)	The gravity of Earth is (.....) than that of the moon because the Earth has (.....) mass
25)	A parachute in air is affected by (.....) that acts against the (.....) force of Earth
26)	A person can control the speed of his bike by using (.....) to slow down its movement
27)	Air resistance is a type of (.....) force
28)	The Sun locates at the center of (.....)
29)	In the solar system, all planets revolve in fixed paths called (.....)
30)	The force that keeps all planets around the Sun is called (.....)
31)	Earth revolves around the Sun in a fixed path that has (.....) shape
32)	Cycle of (.....) happens du to earth's rotation on its (.....)
33)	Earth rotates from (.....) to (.....) on its vertical axis

Unit4
Concept 4.2

34)	The star that the Earth revolves around it is called the (.....)
35)	Formation of (.....) of objects is due to movement of (.....) across the sky
36)	The first timepiece that is used by ancient Egyptians to know the time is called (.....)
37)	The position of the Sun in the sky affects (.....) and (.....) of shadows of objects
38)	In morning and (.....) the Sun forms longer shadow of an object
39)	At noon the Sun forms (.....) shadow of an object

Question 4

Write the scientific term of each of the following

Unit3
Concept 3.2

1)	It is the main engine of the water cycle in nature	()
2)	A body of water surrounded by a land on all sides	()
3)	The place where a river meets the sea or ocean	()
4)	Large bodies of salt water.	()
5)	An above-ground land area partially covered with water	()
6)	A large area characterized by greenery, soil, climate, and wildlife that distinguished it from other regions	()

7)	A force of attraction between objects	Unit4 Concept 4.1	()
8)	The effect that pulls or pushes an object to make it moves		()
9)	The Sun and the planets that revolve around it		()
10)	A type of frictional force generating from the movement of an object in the air		()
11)	A force generated between two touching surfaces leads to slow the movement of object		()
12)	The force that is found between two magnets or between the magnet and an object		()
13)	A type of friction force that opposes the movement of an object as it passes through air		()
14)	The tool that is used by skydiver to slow his drop		()
15)	A force that opposes the motion of a body across a solid surface or through a gas or liquid		()
16)	The phenomenon that occurs due to the rotation of Earth on its axis		()
17)	An imaginary line that passes through the two poles of Earth		()
18)	The spinning of Earth on its axis		()

19)	The orbiting of Earth around the sun	()
20)	The fastest planet during its rotation on its axis	()
21)	The time taken by Earth to complete one rotation on its axis	()
22)	A phenomenon occurs due to Earth's revolution around the Sun	()
23)	The Sun and the eight planets revolving around it	()
24)	The series of events that is repeated in the same order	()

Question 5

Give reason

Unit3
Concept 4.1

1. Objects on Earth's surface will remain stable

-

2. The Moon revolves around Earth in a fixed orbit

-

3. The Moon's gravity is less than Earth's gravity.

-

4. Paper clips are pulled toward the magnet

-

5. You always land on the ground when you jump up.

-

6. Skydiver opens his parachute during landing

-



7. Iron nails are attracted to the magnet

-

8. Air resistance affects the movement of an object which falls from a height

-

9. Planets revolve around the Sun in fixed orbits.

-

10. Occurrence of day and night

-

11. The sun is the center of motion in the solar system

-

12. Earth's gravity is stronger than the moon's gravity

-

13. The Moon revolves around Earth in a fixed orbit

-

14. Half of Earth appears dark at night

-

15. The Sun appears as it moves across the sky

-

16. Occurrence of seasons

-

17. Although Earth rotates on its axis, we don't feel its movement

-

18. The length of the shadow of an object changes throughout the day

-

Unit4
Concept 4.1



19. In the night sky, some stars seem to rise and set like the Sun

-

Question 6

What happens

Unit 3
Concept 3.2

1. if the factory waste leaks in one of the small stream.

-

2. .The rainfall was more than the river could contain

.....

3. When well water is used more than is replaced by rainfall.

-

Unit 4

Unit4
Concept 4.1

4. The distance between the moon and Earth increases to twice

-

5. The mass of the moon becomes twice its real mass

-

6. The gravity of Earth is a repulsion force not an attraction force.

-

7. To the speed of skydiver if he opens his parachute during landing

-

8. If a metal ball and a feather are fallen down from the same height

-

9. If you throw two iron balls have the same mass from the same height

-

10. The planets if the Sun has no gravity

-

Unit 4
Concept 4.2

11. Earth doesn't rotate on its axis

-

12. Half of Earth faces the Sun.

-

13. Earth completes its spinning on its axis in 12 hours only

-

14. Earth stops spinning on its axis

-

15. The length of the shadow of an object at noon

-

16. The shadow of an object if the Sun locates at east or west in the sky

-

17. The Sun if Earth rotates from east to west

-

Unit 3
Concept 3.2

Question 7

correct underline word

1)	Using a water filter leads to water <u>pollution</u>	()
2)	Water is one of the most important <u>industrial</u> resources on Earth planet	()
3)	Water from the High Dam in Egypt is used to generate <u>thermal</u> energy	()
4)	<u>Dams</u> are used to filter contaminated water for reuse.	()

5)	<u>Rivers</u> seep into cracks and pores of rocks underground.	()
6)	Moses fish are found in the <u>Nile River</u>	()
7)	Deforestation leads to <u>protect</u> renewable resources	()
8)	The Moon's gravitational force is <u>greater</u> than Earth's gravitational force	()
9)	Earth's gravity causes objects to move <u>upward</u>	()
10)	When the distance between two objects increases, the force of attraction between them <u>increases</u>	()
11)	When an object falls from a high place, it moves <u>upward</u>	()
12)	The effect of gravity increases whenever an object is <u>raised</u> above Earth's surface	()
13)	Waterfalls flow from the top of a river to the bottom due to <u>air resistance</u>	()
14)	<u>Earth</u> is the center of motion in the solar system.	()
15)	A magnet pulls metal paper clips due to the force of <u>gravity</u>	()
16)	The only star in the solar system is the <u>Earth</u>	()

Unit4
Concept 4.1

Unit4
Concept 4.2

17)	The phenomenon of four seasons occurs due to rotation of Earth on its axis	()
18)	The Earth spins around its axis once every 28 hours	()

Question 7

Various questions

1. The importance of Dams

-

2. Some freshwater sources on Earth's surface.

-

ف يوم هتعرّف
سبب كل حاجة
مصلتك
وصدقني هتكون
مُمتن جداً،
اقتيارات ربنا هي
افضل سيناريو كان
ممكن يحصل





مراجعات النخبة

بنك الاسئلة

Science

Science Review for April 2025

Science

Answer form

Primary



Second Term

2025

Prepared by:

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Online



Question 1

choose the correct answer

Unit 3
Concept 3.2

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- (a) Humans (b) solar energy
(c) Rain (d) water treatment plants

2 All of the following are duties of wastewater treatment engineers except....

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أنت لست ضعيفاً..!



لقد قطعت كل هذا الطريق لأنك قوي!!

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(c) polluting air (d) using resources sustainably

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- (a) River (b) Stream
(c) sea (d) estuary

12 When a flood occurs and causes erosion of the riverbank, the interaction occurs between..... and.....

- (a) atmosphere and hydrosphere (b) geosphere and hydrosphere
(c) atmosphere and geosphere (d) biosphere and geosphere

13 Objects move under the effect of two forces:

- | | |
|--------------------------|-----------------------|
| (a) <u>pull and push</u> | (b) pull and wind |
| (c) pull and magnet | (d) rotation and push |

14 The force of gravity causes.....

- (a) The Moon's rotation around Earth
 (b) The Earth's rotation around the Sun
 (c) Objects fall towards Earth
 (d) All of the previous



15 Which of the following objects has the greater gravity?

- | | |
|-------------|----------------|
| (a) Earth | (b) Moon |
| (c) Jupiter | (d) <u>Sun</u> |

16 Which of the following causes an increase in the force of attraction between two objects?

- (a) Increasing the distance between them
 (b) Increasing their masses
 (c) Decreasing their masses
 (d) Increasing the force of friction



17 The force that returns the ball after it is thrown upward is the force of.....

- | | |
|--------------------|--------------|
| (a) Push | (b) Friction |
| (c) <u>Gravity</u> | (d) pull |

18 If the distance between the Earth and the Moon increases, the force of attraction between them will.....

- (a) Increase (b) Disappear
(c) Decrease (d) unchanged

19 Magnetic force is considered a force of.....

- (a) push only (b) pull only
(c) Friction (d) push or pull

20 Gravity is considered a..... force

- (a) Push (b) Friction
(c) Visible (d) pull

21 When the..... of an object increases, its gravity increases

- (a) Motion (b) Mass
(c) Resistance (d) distance

22 A magnet pulls metal paper clips because of.....

- (a) gravitational force (b) Wind
(c) air resistance (d) magnetic force

23 The planets revolve in fixed orbits around the sun under the effect of the gravity of

- (a) Earth (b) Moon
(c) Jupiter (d) Sun

24 The force of is generated between two touching surfaces and slows the movement of objects

- (a) Gravity (b) Push
(c) Magnetism (d) friction



25 The force that returns a ball to the ground after it has been thrown upward is.....

- (a) air resistance (b) frictional force
(c) magnetic force (d) gravitational force

26 pulls skydivers upward to slow their fall toward the ground

- (a) Frictional force (b) Magnetism
(c) Gravity (d) Air resistance

27 When an object is thrown vertically upward, it

- (a) moves at a great speed toward space
(b) returns to Earth under the effect of gravity
(c) floats in space due to the absence of gravity
(d) remains suspended because the gravity between it and Earth is equal

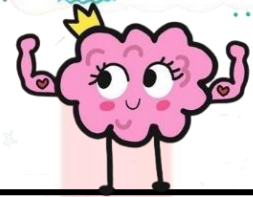
28 Wind turbine blades move by the effect of.....

- (a) Magnetism (b) Wind
(c) Electricity (d) water vapor

29 All the following are properties of magnetism, except

- (a) it is an invisible force
 (b) it may push another magnet away
 (c) it is pushing force only
 (d) it may be pushing or pulling force

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 قدها و قدور



30 Any object has mass must have.....

- (a) definite color (b) gravity force
 (c) definite shape (d) electric charge

31 A table stands on the ground needsto move.

- (a) sunlight (b) force
 (c) Mass (d) air

32 Friction forcethe movement of objects.

- (a) Increases (b) slows down
 (c) speeds up (d) doesn't affect

33 Magnetism is a force that attracts objects made of the following materials,

except.....

- (a) Iron (b) Nickel
 (c) Wood (d) cobalt

34is considered as a type of friction force

- (a) Air resistance (b) Magnetism
 (c) Gravity (d) Electric force

35 When a basketball falls down from a height, it is affected by.....

- (a) air resistance force only
- (b) gravity force only
- (c) air resistance and gravity force.
- (d) air resistance and electric force



36is a factor that acts against gravity force

- | | |
|---------------------------|------------------------|
| (a) Magnetism | (b) Mass of an object |
| (c) <u>Air resistance</u> | (d) Shape of an object |

37 Which of the following objects will take longer time to reach the ground if they are dropped from 5 meter height at the same time?.....

- | | |
|------------------|----------------------|
| (a) An iron nail | (b) <u>A feather</u> |
| (c) A pencil | (d) A paper clip. |

38 Gravity is..... force that holds all objects in their places

- | | |
|------------------------------|-----------------------|
| (a) visible pulling | (b) visible pushing |
| (c) <u>invisible pulling</u> | (d) invisible pushing |

39 The planets revolve around the Sun in fixedorbits

- | | |
|-----------------|----------------|
| (a) <u>Oval</u> | (b) Irregular |
| (c) Rectangular | (d) triangular |

40 The speed of Earth's revolution around the Sun is nearly..... km per hour

- | | |
|------------------------------|-----------------------|
| (a) <u>more than 100,000</u> | (b) more than 200,000 |
| (c) less than 100,000 | (d) less than 50,000 |

41is (are) the center of the solar system.

- (a) Earth (b) The Sun
 (c) Earth and the moon (d) Earth and the Sun

Unit4
Concept 4.2

42 Day and night phenomenon occurs due to the rotation of Earth around.....

- (a) the Sun (b) its axis
 (c) the moon (d) the solar system.

43 The Earth rotates around itself once every.....

- (a) 24 hours (b) 365 days
 (c) 365 hours (d) 24 days

44 The Earth's axis is an imaginary line that passes through.....

- (a) the two poles of Earth (b) the center of the moon
 (c) the center of the solar system (d) the center of the Sun

45 The Sun appears in theduring the early morning

- (a) East (b) West
 (c) North (d) south

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نور اطفيه ونام.



46 If you travel from your country to another, the Sun will.....

- (a) rise in the west and set in the east
- (b) rise in the south and set in the north.
- (c) rise in the east and set in the west
- (d) rise in the north and set in the south

47 When half of Earth faces the Sun so, it has..... and the other half has.....

- (a) day – day
- (b) night-day
- (c) day – night
- (d) night-night.

48 The Earth's axis is.....

- (a) Vertical
- (b) Horizontal
- (c) Circular
- (d) real

49 Orbiting of Earth around the Sun causes the.....

- (a) cycle of day and night
- (b) cycle of seasons
- (c) increasing the speed of Earth
- (d) decreasing the speed of Earth

50 The number of stars in the solar system is.....

- (a) One
- (b) Eight
- (c) Nine
- (d) two

51 The Earth rotates..... on its axis.

- (a) Clockwise
- (b) Counterclockwise
- (c) from north to south
- (d) from south to north

52 The solar system consists of some..... revolve around.....

- (a) Sun-planets. (b) moons planets
(c) planets – Sun (d) planets-moon

53 Jupiter is a..... and it has of..... rotation on its axis

- (a) moon highest speed (b) planet - lowest speed
(c) star-lowest speed (d) planet-highest speed

54 The fastest planet that rotates on its axis in the solar system is.....

- (a) the Sun (b) Earth
(c) Jupiter (d) the moon

55 The rotation of Earthatcauses day and night phenomenon

- (a) around the Sun-high speed (b) on its axis-high speed
(c) around the moon low speed (d) on its axis-low speed

56 Formation of shadows of objects happens due to.....

- (a) revolution of Earth around the Sun
(b) revolution of Earth around the moon.
(c) appearance of stars as they move in the sky
(d) appearance of the Sun as it moves in the sky

57 Ancient Egyptians invented.....which depends on the movement of.....to know the time of the day

- (a) the balance – time (b) the sundial – time
(c) the telescope – distance (d) the sundial - shadows

58 Lengths and angles of shadows of objects are affected by.....

- (a) the change in the position of the Sun in the sky
- (b) the distance between Earth and the Sun
- (c) the revolution of Earth around the Sun.
- (d) the revolution of the moon around Earth

59 The shortest shadow of an object happens.....

- (a) in morning
- (b) in afternoon
- (c) at noon
- (d) at night

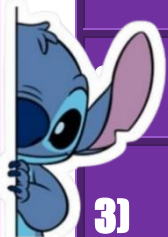
Question 2

Put (✓) or (x)

Unit3
Concept 3.2

1)	Water is a recyclable resource	✓
2)	Dams are used to filter polluted water for reuse.	x
3)	Overconsumption of natural resources helps conserve them	x
4)	The ocean floor contains mountains and plains	✓
5)	The total amount of water on Earth does not change, even if its state changes	✓
6)	No interactions occur between living organisms and the hydrosphere on Earth's surface	x
7)	The Earth's gravity is greater than the Moon's gravity	✓

Unit4
Concept 4.1



8)	Whenever the mass of an object increases, its gravitational force decreases	x
9)	Magnetic force is considered only a pulling force	x
10)	The force of gravity exists only between objects in touch	x
11)	Objects fall downward due to frictional force	x
12)	Gravity is considered a visible force, while magnetism is an invisible force	x
13)	Gravity is similar to magnetism because both of them has only pulling force.	x
14)	Friction increases the speed of an object	x
15)	Air resistance does not decrease the speed of a moving object	x
16)	Gravity affects the speed of planets rotation around the sun	✓
17)	An orbit is a spherical shape in which the planets revolve around the sun	x
18)	Planets revolve around the sun in fixed orbits under the effect of the sun's gravity	✓
19)	Light objects reach Earth faster than heavy objects in the absence of air resistance	x
20)	Planets revolve around the Sun in fixed orbits due to the effect of gravity	✓

21)	Small planets have bigger gravity than other planets.	x
22)	All objects on Earth's surface is affected by magnetism force	x
23)	All objects are pulled toward the ground due to the effect of gravity	✓
24)	Any object on Earth's surface is affected by repulsion force of gravity	x
25)	Air resistance slows down the speed of parachutes	✓
26)	Earth pulls living organisms only toward its center	x
27)	Force of gravity can be seen easily, but we cannot see its effects	x
28)	Magnetism is a type of friction force	x
29)	Air resistance is a factor that speeds up the falling objects toward Earth	x
30)	There is no air in space so, air resistance slows down the movement of objects through space	x
31)	If there is no air resistance on Earth, all objects will reach the Earth's surface at the same moment when dropping them from the same height	✓
32)	The planets revolve around the Sun by the effect of gravitational pushing force	x
33)	The orbit of each planet has an ellipse shape	✓

34)	The scientist Nicolaus Copernicus stated that Earth revolves around the Sun	✓
35)	The apparent motion of the Sun occurs due to the rotation of Earth on its axis.	✓
36)	The Sun rises in the east and sets in the west	✓
37)	The Earth's axis is an imaginary line passes through Earth's poles	✓
38)	At the beginning of the day the Sun appears in the east direction	✓
39)	The Earth revolves around the Sun once every 24 hours	x
40)	The spinning of Earth on its axis is called revolution	x
41)	Most of stars don't appear moving in the sky	x
42)	All parts of Earth receive sunlight at the same time.	x
43)	Earth revolves around the Sun once every one day	x
44)	Earth's revolution around the Sun causes day and night phenomenon	x
45)	The repetition of series of events in the same order is called cycle	✓
46)	The solar system includes the Sun and Earth only.	x
47)	Earth's rotation on its axis causes the cycle of day and night	✓

Unit4
Concept 4.2

48)	The Sun doesn't revolve around Earth	✓
49)	Planets of the solar system rotate on their axes with different speeds	✓
50)	The position of the shadow of Cairo Tower will not change during the day	x
51)	Ancient Egyptians were able to know the time by inventing the first sundial.	✓
52)	Lengths of shadows of different objects don't change during the day.	x

Question 3

Complete the following sentences

Unit3
Concept 3.2

1)	Excessive use of well water leads to (<u>dry</u>)
2)	Water is considered one of the (<u>renewable</u>) resources on the Earth's surface
3)	Floods occur when the amount of rainfall in rivers (<u>increase</u>)
4)	Wastewater engineers in Egypt work in (<u>Bahr Al- Baqar wastewater treatment plant</u>)
5)	Water can be controlled and conserved by (<u>changing our habits</u>)
6)	Rocks cracking by water occur due to the interaction of the hydrosphere and (<u>geosphere</u>)

7)	Some worms take the soil as shelter and this explain the interaction between the biosphere and (<u>geosphere</u>)
8)	Gravity is a type of (<u>force</u>)
9)	Earth's gravitational force pulls objects (<u>toward the center of earth</u>)
10)	The (<u>Moon</u>) revolves around Earth in a fixed orbit due to gravity.
11)	When the distance between two objects decreases, the gravitational force between them (<u>increases</u>)
12)	If the Moon's mass increases, the gravitational force between it and Earth (<u>increases</u>)
13)	Whenever the (<u>mass</u>) of an object increases, its gravity increases
14)	The force of gravity between two objects decreases as the (<u>distance</u>) between them increases
15)	The planets revolve around the sun in a (<u>fixed</u>) orbit
16)	The (<u>air resistance</u>) reduces the speed of an object's movement in the air.
17)	Air resistance acts (<u>opposite</u>) to the direction of Earth's gravity
18)	Magnets have a strong attraction to certain metals, such as (<u>iron nickel or cobalt</u>)
19)	The (<u>gravity</u>) holds objects on Earth's surface

Unit4
Concept 4.1

20)	The moon revolve in fixed (<u>orbit</u>) around the Earth due to Earth's (<u>gravity</u>)
21)	The object at rest needs (<u>force</u>) to move
22)	A magnet can attract some objects by a force called (<u>magnetism</u>)
23)	The astronauts float in space due to the absence of (<u>gravity</u>)
24)	The gravity of Earth is (<u>greater</u>) than that of the moon because the Earth has (<u>bigger</u>) mass
25)	A parachute in air is affected by (<u>air resistance</u>) that acts against the (<u>gravity</u>) force of Earth
26)	A person can control the speed of his bike by using (<u>brake</u>) to slow down its movement
27)	Air resistance is a type of (<u>friction</u>) force
28)	The Sun locates at the center of (<u>the solar system</u>)
29)	In the solar system, all planets revolve in fixed paths called (<u>orbits</u>)
30)	The force that keeps all planets around the Sun is called (<u>gravitational force</u>)
31)	Earth revolves around the Sun in a fixed path that has (<u>oval</u>) shape
32)	Cycle of (<u>day and night</u>) happens du to earth's rotation on its (<u>axis</u>)
33)	Earth rotates from (<u>west</u>) to (<u>east</u>) on its vertical axis

Unit4
Concept 4.2

34)	The star that the Earth revolves around it is called the (<u>sun</u>)
35)	Formation of (<u>Shadow</u>) of objects is due to movement of (<u>sun</u>) across the sky
36)	The first timepiece that is used by ancient Egyptians to know the time is called (<u>sundial</u>)
37)	The position of the Sun in the sky affects (<u>length</u>) and (<u>angles</u>) of shadows of objects
38)	In morning and (<u>afternoon</u>) the Sun forms longer shadow of an object
39)	At noon the Sun forms (<u>shorter</u>) shadow of an object

Question 4

Write the scientific term of each of the following

Unit3
Concept 3.2

1)	It is the main engine of the water cycle in nature	<u>Solar energy</u> <u>(sun)</u>
2)	A body of water surrounded by a land on all sides	<u>lake</u>
3)	The place where a river meets the sea or ocean	<u>estuary</u>
4)	Large bodies of salt water.	<u>Oceans</u>
5)	An above-ground land area partially covered with water	<u>wetland</u>
6)	A large area characterized by greenery, soil, climate, and wildlife that distinguished it from other regions	<u>Biome</u>

Unit4
Concept 4.1

7)	A force of attraction between objects	<u>Gravity</u>
8)	The effect that pulls or pushes an object to make it moves	<u>Force</u>
9)	The Sun and the planets that revolve around it	<u>the solar system</u>
10)	A type of frictional force generating from the movement of an object in the air	<u>air resistance</u>
11)	A force generated between two touching surfaces leads to slow the movement of object	<u>friction</u>
12)	The force that is found between two magnets or between the magnet and an object	<u>magnetism</u>
13)	A type of friction force that opposes the movement of an object as it passes through air	<u>air resistance</u>
14)	The tool that is used by skydiver to slow his drop	<u>parachute</u>
15)	A force that opposes the motion of a body across a solid surface or through a gas or liquid	<u>Friction</u>
16)	The phenomenon that occurs due to the rotation of Earth on its axis	<u>Day and night</u>
17)	An imaginary line that passes through the two poles of Earth	<u>earths axis</u>

Unit4
Concept 4.2

18)	The spinning of Earth on its axis	<u>earths rotation</u>
19)	The orbiting of Earth around the sun	<u>earths revolution</u>
20)	The fastest planet during its rotation on its axis	<u>jupiter</u>
21)	The time taken by Earth to complete one rotation on its axis	<u>day</u>
22)	A phenomenon occurs due to Earth's revolution around the Sun	<u>four seasons</u>
23)	The Sun and the eight planets revolving around it	<u>the solar system</u>
24)	The series of events that is repeated in the same order	<u>cycle</u>

Question 5

Give reason

Unit3
Concept 4.1

- Objects on Earth's surface will remain stable
 - Due to the effect of gravity on it
- The Moon revolves around Earth in a fixed orbit
 - because the gravitational force of each act on it
- The Moon's gravity is less than Earth's gravity.
 - Bec the moons mass is less than earths mass
- Paper clips are pulled toward the magnet
 - Due to the force of magnetism



5. You always land on the ground when you jump up.
 - Because earth pulls you by the effect of gravity
6. Skydiver opens his parachute during landing
 - To slow down his speed on landing due to air resistance
7. Iron nails are attracted to the magnet
 - Because magnetism force pulls them to the magnet.
8. Air resistance affects the movement of an object which falls from a height
 - Because it slows down the movement of an object during its falling.
9. Planets revolve around the Sun in fixed orbits.
 - Due to the great gravitational pulling force between the Sun and the planets

10. Occurrence of day and night

- Due to the rotation of Earth on its axis

11. The sun is the center of motion in the solar system

- because it has the greatest mass from all planets

12. Earth's gravity is stronger than the moon's gravity

- Because the mass of earth greater than mass of moon

13. The Moon revolves around Earth in a fixed orbit

- Due to the gravity of earth act or it

14. Half of Earth appears dark at night

- Because it doesn't receive sunlight

15. The Sun appears as it moves across the sky

- Due to the rotation of Earth on its axis

Unit4
Concept 4.1



16. Occurrence of seasons

- Due to the revolution of Earth around the Sun

17. Although Earth rotates on its axis, we don't feel its movement

- Because we are moving with the same speed of Earth

18. The length of the shadow of an object changes throughout the day

- Due to the change in the position of the Sun in the sky

19. In the night sky, some stars seem to rise and set like the Sun

- Due to Earth's rotation on its axis

Question 6

What happens

Unit 3
Concept 3.2

1. if the factory waste leaks in one of the small stream.

- it leads to pollute the water in streams

2. .The rainfall was more than the river could contain

- it leads to flooding

3. When well water is used more than is replaced by rainfall.

- the ground water will run out and wells will dry

4. The distance between the moon and Earth increases to twice

- The gravitational attraction between them would become smaller

5. The mass of the moon becomes twice its real mass

- The gravitational force between Earth and the moon increases, so the moon comes closer to Earth and it might crash into Earth.

6. The gravity of Earth is a repulsion force not an attraction force.

- move upward away from surface

7. To the speed of skydiver if he opens his parachute during landing

- The speed of skydiver decreases gradually due to the air resistance

Unit4
Concept 4.1

8. If a metal ball and a feather are fallen down from the same height
- The metal ball will reach the ground first
9. If you throw two iron balls have the same mass from the same height
- They will reach the ground at the same time
10. The planets if the Sun has no gravity
- They will float off into space

11. Earth doesn't rotate on its axis

- Phenomenon of day and night will not happen.

12. Half of Earth faces the Sun.

- This half has day

13. Earth completes its spinning on its axis in 12 hours only

- Day and night phenomenon happens in 12 hours only

14. Earth stops spinning on its axis

- The phenomenon of day and night cycle will not happen

15. The length of the shadow of an object at noon

- It will be the shortest shadow of that object

16. The shadow of an object if the Sun locates at east or west in the sky

- The shadow of the object will be the longest

17. The Sun if Earth rotates from east to west

- The Sun appears to rise from the west and set in the east

Unit4
Concept 4.2

Question 7

correct underline word

Unit 3
Concept 3.2

1)	Using a water filter leads to water <u>pollution</u>	purifying or cleaning
2)	Water is one of the most important <u>industrial</u> resources on Earth planet	renewable
3)	Water from the High Dam in Egypt is used to generate <u>thermal</u> energy	electrical
4)	<u>Dams</u> are used to filter contaminated water for reuse.	water filters
5)	<u>Rivers</u> seep into cracks and pores of rocks underground.	groundwater
6)	Moses fish are found in the <u>Nile River</u>	Oceans and seas
7)	Deforestation leads to <u>protect</u> renewable resources	destroy or damage
8)	The Moon's gravitational force is <u>greater</u> than Earth's gravitational force	smaller
9)	Earth's gravity causes objects to move <u>upward</u>	downword
10)	When the distance between two objects increases, the force of attraction between them <u>increases</u>	decrease
11)	When an object falls from a high place, it moves <u>upward</u>	downward
12)	The effect of gravity increases whenever an object is <u>raised</u> above Earth's surface	Lower
13)	Waterfalls flow from the top of a river to the bottom due to <u>air resistance</u>	gravitational force

Unit4
Concept 4.1

14)	<u>Earth</u> is the center of motion in the solar system.	sun
15)	A magnet pulls metal paper clips due to the force of <u>gravity</u>	magnetism
Unit 4 Concept 4.2		
16)	The only star in the solar system is the <u>Earth</u>	sun
17)	The phenomenon of <u>four seasons</u> occurs due to rotation of Earth on its axis	day and night
18)	The Earth spins around its axis once every <u>28</u> hours	24

Question 7

Various questions

1. The importance of Dams

- it held the water behind it and this change the amount of water in other water bodies

2. Some freshwater sources on Earth's surface.

- Rivers, glaciers, groundwater



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كل إخبار تعلمه يكون إخبار عظيم
كفاية إنك حاولت

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