وزارة التربية والتعليم و التعليم الفنى
الادارة المركزية للتعليم العام
إدارة تنمية مادة الرياضيات

برعاية معالي وزير التربية والتعليم و التعليم الفنى

السيد الأستاذ/ محمد عبد اللطيف

وتوجيهات رئيس الإدارة المركزية للتعليم العام
المشرف على مستشارى المواد الدراسية

د/ هالة عبد السلام خفاجى

إشراف علمي
مستشار الرياضيات

أ/ منال عزقول

أداءات وتقييمات لمنهج تطبيقات الرياضيات لغات

للصف الثانى الثانوي "علمى"
الفصل الدراسى الثانى
للعام الدراسي 2025 / 2026

الأسبوع الخامس

إعداد

أ/ محمود سلام　　د/ مدحت عطية شعراوى　　أ/ عفاف جاد

ترجمة

أ/ محمود سليمان نظيم

مراجعة الترجمة

أ/ عثمان مصطفى عثمان　　أ/ عمرو فاروق

(5) الأداء الصفي ـ الصف الثانى الثانوى ـ علمى ـ تطبيقات الرياضيات لغات ـ الأسبوع الخامس (5)

(1) A small stone fell from the top of a house and reached the ground after one second. Calculate: The speed of the stone when it reaches the ground.

(2) A small stone fell from the top of a house and reached the ground after 3 seconds. Calculate the height of the house.

(3) A small stone was thrown into a well at a speed of 5 m/s vertically downwards and it reached the bottom of the well after 2 seconds. Find: The depth of the well.

(4) A body was thrown into a well at a speed of 8 m/s and reached the bottom of the well after 3 seconds. Find: The speed of the body when it collided with the bottom of the well.

(5) A particle was thrown vertically upward at a speed of 19.6 m/s. Find the time it took to reach the maximum height.

(6) A particle was thrown vertically upward at a speed of 49 m/s. After how many seconds does it return to the point of throwing?

(7) A particle was thrown vertically upwards from a point on the Earth's surface at a speed of 21 m/s. Find: the maximum height reached by the particle.

(8) A small ball was thrown vertically upwards and then returned to the point of throwing after covering a distance of 245 cm. Find: the time taken for the object to reach the maximum height.

(9) A particle was thrown vertically upwards from a point on the Earth's surface. The maximum height reached by the particle was 10 meters. Find: the speed at which the particle was thrown.

(10) A particle was thrown vertically upwards from a point on the Earth's surface and returned to it after 6 seconds from the moment of throwing. Find: the maximum height reached by the particle.

(5) الأداء المنزلى ـ الصف الثانى الثانوى ـ علمى ـ تطبيقات الرياضيات لغات ـ الأسبوع الخامس (5)

(1) A small stone fell from the top of a house and reached the ground after 3 seconds. Calculate: the speed of the stone at the moment it reaches the ground.

(2) A small stone fell from the top of a house and reached the ground after 2 seconds. Calculate the height of the house.

(3) A small stone was thrown into a well at a speed of 8 m/s vertically downwards and reached the bottom of the well after one second. Find the depth of the well.

(4) A body was thrown into a well at a speed of 5 m/s and reached the bottom of the well after 4 seconds. Find the speed of the body when it collided with the bottom of the well.

(5) A particle was thrown vertically upward at a speed of 39.2 m/s. Find the time it took to reach the maximum height.

(6) A particle was thrown vertically upward at a speed of 19.6 m/s. After how many seconds does it return to the point of throwing?

(7) A particle was thrown vertically upward from a point on the ground at a speed of 14 m/s. Find the maximum height the particle reached.

(8) A small ball was thrown vertically upwards and then returned to the point of throwing after covering a distance of 80 cm. Find the time The body reaches its maximum height.

(9) A particle was thrown vertically upwards from a point on the Earth's surface. The maximum height the particle reached was 20 meters. Find: the speed at which the particle was thrown.

(10) A particle was thrown vertically upwards from a point on the Earth's surface. It returned to it after 10 seconds from the moment it was thrown. Find: the maximum height the particle reached.

(5) التقييمات الأسبوعية ـ الصف الثانى الثانوى ـ علمى ـ تطبيقات الرياضيات لغات ـ الأسبوع الخامس (5)

First Group:

(1) A small stone fell from the top of a tower and reached the ground after 5 seconds. Calculate: The speed of the stone when it reaches the ground.

(2) A small stone was thrown into a well at a speed of 6 m/s vertically downwards and reached its bottom after 4 seconds. Find: The depth of the well.

(3) A particle was thrown vertically upward at a speed of 39.2 m/s. Find the time it took to reach its maximum height.

(4) A particle was thrown vertically upward from a point on the ground at a speed of 7 m/s. Find: The maximum height the particle reached.

(5) A particle was thrown vertically upward from a point on the ground. The maximum height the particle reached was 30 meters. Find: The speed at which the particle was thrown.

Second Group:

(1) A small stone fell from the top of a tower and reached the ground after 4 seconds. Calculate: The speed of the stone when it reaches the surface of the earth .

(2) A small stone was thrown into a well at a speed of 8 m/s vertically downwards and reached its bottom after 3 seconds. Find: the depth of the well .

(3) A particle was thrown vertically upwards at a speed of 29.4 m/s. Find the time it took to reach its maximum height .

(4) A particle was thrown vertically upwards from a point on the surface of the earth at a speed of 28 m/s. Find: the maximum height the particle reached

(5) A particle was thrown vertically upwards from a point on the surface of the earth. The maximum height the particle reached was 15 meters. Find: the speed at which the particle was thrown.

The third group .

(1) A small stone fell from the top of a tower and reached the surface of the earth after 2 seconds. Calculate: the speed of the stone when it reached the surface of the earth .

(2) A small stone was thrown into a well at a speed of 10 m/s vertically downwards and reached its bottom after 2 seconds. Find: the depth of the well .

(3) A particle was thrown vertically upwards at a speed of 58.8 m/s. Find the time it took to reach its maximum height

(4) A particle was thrown vertically upwards from a point on the Earth's surface at a speed of 35 m/s. Find the maximum height the particle reached.

(5) A particle was thrown vertically upwards from a point on the Earth's surface. The maximum height the particle reached was 25 meters. Find the speed at which the particle was thrown.