EXAMPLE EXAMINATION

Philosophy:

1. Our conscience tells us something is wrong:
   a. Because we feel uneasy.
   b. Because other people don’t like it.
   c. Because of the consequences.
   d. When we do it.

2. “Legal” is a synonym of:
   a. Good.
   b. Fair.
   c. Juridical.
   d. Natural.

3. Which expression is not related to Nietzsche?:
   a. The will to power.
   b. Superman.
   c. Man is social by nature.
   d. Morality raises life to a higher level.

Language:

1. Which of the following sentences is grammatically incorrect?:
   a. Lucharemos porque todo salga bien.
   b. No sé el por qué de su actitud.
   c. Si no vienes no iremos ninguno.
   d. ¡Conque esas tenemos!
2. In the sentence, “My friend Laura is a painter,” what is the syntactical function of the word “painter”?:
   a. Predicative expression.
   b. Circumstantial adverb.
   c. Direct object.
   d. Predicate.

3. A synonym of “unprecedented” is:
   a. Intolerable.
   b. Indestructible.
   c. Atrocious.
   d. Unheard of.

Literature:

1. Composite verse has:
   a. Two hemistichs.
   b. A caesura.
   c. Twelve or more syllables.
   d. All of the above answers are correct.

2. One of the lyrical innovations of the Spanish Renaissance is:
   a. The use of the eleven-syllable line.
   b. The discontinuation of the use of clichés such as Beatus ille.
   c. The theme of romantic love.
   d. None of the above.

3. What is another name for natural rhyme in Medieval Spanish literature?:
   a. Feminine rhyme.
   b. Masculine rhyme.
   c. Total rhyme.
   d. Homogeneous rhyme.
Mathematics:

1. A young boy has to buy white T-shirts, which cost 2 euros, and black T-shirts, which cost 3 euros. He has only 20 euros to spend and has to buy more white T-shirts than black shirts. Also, the number of white T-shirts plus one has to be less than twice the number of black T-shirts. Which of the following options meets the terms indicated?:
   
   a. 5 white and 4 black.
   b. 3 white and 4 black.
   c. 4 white and 3 black
   d. 7 white and 2 black.

2. How many real solutions does this equation have: \(x^3 - x^2 + 3x - 3 = 0\)?:
   
   a. None.
   b. One.
   c. Two.
   d. Three.

3. Calculate the percentage increase of oil for Europeans if oil is paid for in dollars and it was initially 40 dollars a barrel, but is now 90 dollars and the previous exchange rate was one euro to the dollar and now one euro is worth 1.5 dollars.
   
   a. 133%.
   b. 33%.
   c. 150%.
   d. 50%.