



DARUL HUDA ISLAMIC SCHOOL AL AIN
SUMMER HOLIDAY ASSIGNMENT 2019-'20,
GRADE-11
ENGLISH CORE



Read the instructions carefully:-

1. The assignment should be done in the Notebook.
2. The work should be neat and systematic.
3. Label the assignment properly; use headings and sub-headings wherever required.

Questions

(10 Marks)

1. Read the lesson-‘Discovering Tut.....the saga continues’ from Hornbill and make a Picture Album or a collage on King Tut by finding details about him and his reign. It should be made in the notebook only.

The following websites can be used for reference;

<https://en.wikipedia.org/wiki/Tutankhamun>

<https://www.nationalgeographic.com/culture/people/reference/tutankhamun>

2. Read any English newspaper published in the UAE and find out samples of the following: - (10 Marks)
 - a. 5 Reports
 - b. 5 Posters
 - c. 8 Advertisements [eg-Situation Vacant, Situation Wanted, lost and found, missing and obituary from the classified columns of a newspaper.]

Mathematics

1. Solve the inequalities graphically $4x + 3y \leq 60$, $y \geq 2x$, $x \geq 3$, $x \geq 0$, $y \geq 0$
2. A wheel makes 360 revolutions in 1 minute. Through how many radians does it turn in 1 s.
3. If $\sec x = \frac{5}{4}$ Find other five trigonometric ratios.
4. If $\sec x \cdot \cos 5x + 1 = 0$ where $0 \leq x \leq \pi$. find the value of x .
5. Prove by mathematical induction $1 + 2 + 3 + \dots + n < (2n + 1)^2$.
6. Prove that $\tan 4x = \frac{2 \tan 2x}{1 - \tan^2 2x}$
7. If $(a + bi)(c + di)(e + fi)(g + hi) = A + Bi$.
Show that $(a^2 + b^2)(c^2 + d^2)(e^2 + f^2)(g^2 + h^2) = A^2 + B^2$
8. Reduce $(x^2 - 1)^2 - (x^2 + 1)^2$ to the standard form.

Moral Education

Moral education is a course aimed at encouraging students to develop their character, explore their values and be better prepared for adult life. The below given task is a community based action plan to develop a greater understanding of the applicability of moral values in different social scenarios.

During vacation, have a conversation with at least two persons representing different generations preferably in your family to have a broader outlook on the advantages and disadvantages of the joint and nuclear family systems. Analyze the approaches and prepare a detailed write-up in about 200-250 words. Substantiate your description with appropriate sub titles and pictures.