



Hira Foundation School
A Division of Jamia Darul Uloom

Home work For Summer Vacation

Subject: English

Class: IX

Informal Letter (250- 300 words)

- Write a letter to your brother studying abroad, apologize for not corresponding for a while.
- Compose a letter addressed to your foreign pen pal who wants to know about the school system in your country.

Formal Letter (250-300 words)

- Write a letter to Land Transport Authority, suggesting that a designated pedestrian crossing should be put at a junction near a secondary school in your housing estate. State reasons for your suggestion.

Essay Writing (350-500 words)

- Write a story ending with, "only the strongest will survive."
- Describe a place that you enjoy being in.
- Teenagers today are irresponsible and violent' comment.

ہوم ورک ایام تعطیلات: جماعت نہم۔ (URDU)

1- رمضان کی رحمتیں اور برکتیں کے عنوان پر مضمون لکھیں۔ 300 تا 350 الفاظ

2- مندرجہ ذیل اشارات کی مدد سے تعطیلات میں سفر پر جانے کے بعد کا "سفر نامہ" تحریر کریں۔

☆ نئے لوگوں سے مالقات اور نئی زبانیں ☆ تاریخی مقامات دیکھنے کا موقع

☆ معلومات میں اضافہ ☆ سفر کی منصوبہ بندی اور تیاری

☆ تجربات اور مشاہدات

3- موسم گرما اور اس کے اثرات پر دو دوستوں کا آپس میں مکالمہ تحریر کیجئے۔

4- اپنے چھٹیاں کیسے گزاریں؟ رپورٹ لکھیں۔

MATHS :

Q.No : 1 . Draw the graph of each of the following equations on the same graph papers.

a) $Y = -X + 6$ b) $Y = X - 2$ c) $Y = -X + 10$ d) $Y = X + 2$

What figure is formed by these four lines ? Write down the coordinates of the vertices of this figure.

Q. No : 2 . Draw the lines of $Y = 4$, $X - Y = 0$ and $Y = - 2X$ on the same graph paper.

(i) From your graph, write down the coordinates of points of intersection of the three lines.

(ii) Find the area of the triangle bounded by the three lines.

Q.No : 3 . A solid cylinder has a curved surface area of $(X^2 - 3X + 2) \text{ cm}^2$. Draw the graph of the equation for $0 \leq X \leq 2$, Using a scale of 5 cm to 1 unit on the X-axis and 2cm to 1 unit on the Y-axis. Find the minimum curved surface area.

Q.No: 4. Find the Union and Intersection of each of the following pairs of Sets.

- (a) $A = \{ 3,6,9,12 \}$ $B = \{ 6,8,9 \}$
(b) $A = \{ a,b,x,y \}$ $B = \{ m,n,o,p \}$
(c) $A = \{ \text{monkey,goat,lion} \}$ $B = \{ \text{tiger, goat} \}$
(d) $A = \{ a,m,k,y \}$ $B = \{ \}$

Q.No : 5. If

$$E = \{ 1,2,3,4,5,\dots\dots\dots 10 \}$$

$$A = \{ 2,3,5,7,9,10 \}$$

$$B = \{ 1,2,3,5,6,8,10 \}$$

$$C = \{ 1,3,4,5,7,8,9 \}$$

Find by venn Diagram :

- (i) $A \cup B$ (ii) $(A \cap B)'$ (iii) $(A \cup B \cup C)'$
(iv) $A \cap B \cap C$ (v) $A \cup B'$

Q.No : 6 . The Numbers 2 , 3 , 5 and 7 are written on 4 cards. Two of these cards are selected at random to form a two – digit number. List the Sample Space and hence find the Probability that the number formed is,

(a) Number is Even

(b) Number Divisible by 4

(c) Number is Prime

(d) Number greater than 55

(e) Number divisible by 3