

Riviera International Academy

Assignment-2077

(Jestha 28, 2077, Wednesday)

Class: Seven

Subject- English

1. Read the given notice and complete the exercises.

Wanted

International Center for Academics (ICA), a college for distance education and online studies is one of the pioneer organizations of Nepal. The college academic programme from Certificate to Master's Level in the distance mode in affiliation with universities of international reputation. ICA hereby invites application from qualified and experienced professionals for Academic Coordinator. (full time)

Personal Qualification

- Master's degree holder, preferably MBA
- 1 to 2 years of experience in handling, coordinating academic programmes of Bachelor's and Master's level.
- Strong computer knowledge and fluent in written and spoken English

Salary : negotiable

Candidates having above qualification may email their recent bio-data and a copy of PP size photograph by April 15, 2013 to ica@edu.np.

A. Match the following:

ICA	can be settled through discussion
Certificates	a college of distance education
Salary	duration of experience required
1 or 2 years	offered programmes

B. Complete the following text with the correct words from the text:

- a. The above text is an example of a vacancy.....
- b. The selected candidate will be responsible for coordinating and Academic programmes.
- c. The application should be sent not later than

C. Answer the following questions:

- What is the minimum academic qualification required?
- What does ICA stand for?
- What is the name of the post advertised?
- How can the application be sent to?

Subject- Science

- Define atom and molecule.
- Differentiate between physical change and chemical change.

Subject- Mathematics

Source: Photo of exercise is given below.

12 Chapter

Geometry : Angles

Looking back Classwork
Tell the names and types (acute, right, obtuse, straight or reflex angles) of these angles.

a)

$\angle AOB$ - Obtuse angle

b)

.....

c)

.....

d)

.....

e)

.....

f)

.....

List these angles separately as acute, obtuse, right, straight or reflex angles.
 $120^\circ, 55^\circ, 210^\circ, 90^\circ, 70^\circ, 150^\circ, 150^\circ, 180^\circ, 300^\circ, 135^\circ, 85^\circ, 230^\circ$

Acute	Obtuse	Right	Straight	Reflex

12.1 Different pairs of angles – review

These are a few special pairs of angles.

(i) Adjacent angles
 $\angle AOB$ and $\angle BOC$ have common vertex O and a common arm OB. They are called adjacent angles.

(ii) Linear pair
 $\angle AOB$ and $\angle BOC$ are a pair of adjacent angles. Their sum is a straight angle (180°)
 i.e. $\angle AOB + \angle BOC = 180^\circ$
 $\angle AOB$ and $\angle BOC$ are called a linear pair.

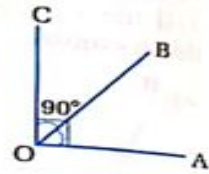
(iii) Vertically opposite angles
 $\angle AOC$ and $\angle BOD$ are formed by intersected line segments and they lie to the opposite side of the common vertex.

Geometry: Angles

They are called vertically opposite angles. $\angle AOD$ and $\angle BOC$ are another pair of vertically opposite angles. Vertically opposite angles are always equal.
 $\therefore \angle AOC = \angle BOD$ and $\angle AOD = \angle BOC$.

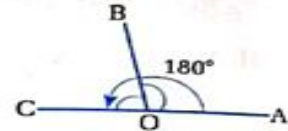
(iv) Complementary angles

The sum of $\angle AOB$ and $\angle BOC$ is a right angle (90°).
 i.e. $\angle AOB + \angle BOC = 90^\circ$
 $\angle AOB$ and $\angle BOC$ are called complementary angles.
 Here, complement of $\angle AOB = 90^\circ - \angle BOC$.
 complement of $\angle BOC = 90^\circ - \angle AOB$



(v) Supplementary angles

The sum of $\angle AOB$ and $\angle BOC$ is two right angles (180°).
 i.e. $\angle AOB + \angle BOC = 180^\circ$.
 $\angle AOB$ and $\angle BOC$ are called supplementary angles.
 Here, supplement of $\angle AOB = 180^\circ - \angle BOC$
 supplement of $\angle BOC = 180^\circ - \angle AOB$.



12.2 Verification of properties of angles

Activity - 1

Verify experimentally that the vertically opposite angles formed due to the intersection of two line segments are equal.

Verification

(i) Draw 3 sets of two line segments AB and CD intersecting at O.

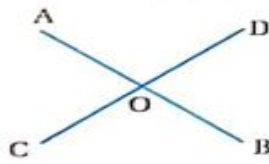


fig (i)

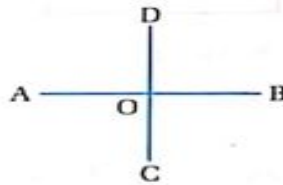


fig (ii)

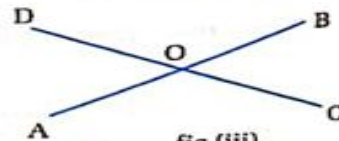


fig (iii)

(ii) Measure each pair of vertically opposite angles: $\angle AOD$ and $\angle BOC$, $\angle AOC$ and $\angle BOD$ with a protractor and write the measurements in the table.

Fig.	Vertically opposite angles		Result
	$\angle AOD$ and $\angle BOC$	$\angle AOC$ and $\angle BOD$	
(i)			$\angle AOD = \angle BOC$ $\angle AOC = \angle BOD$
(ii)			
(iii)			

Conclusion: The vertically opposite angles formed due to the intersection of two line segments are equal.

Homework:

- Read & write all definitions.
- Do neatly activity 1.

The End.