



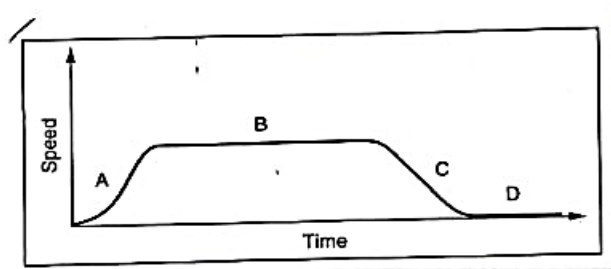
Al Sharq Bright International School
Model Paper for Mid Term Exam 2017-2018

Name: _____ Subject: Physics Class: 8 ___ Date: _____

Paper – 1

A. Multiple choice questions:

- Density of air at 0°C is
a) 1 b) 1.29 c) 2 d) 2.29
- Which one of the following is a bigger unit?
a) km b) miles c) light year d) yard
- From the graph shown in given figure, B represents

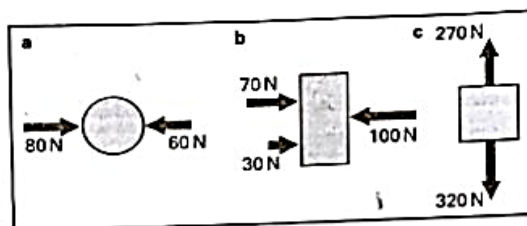


- body is in uniform motion
 - body is at rest
 - body is in non uniform motion
 - body moving with constant speed
- Resultant of a balanced force is always
a) zero b) positive c) negative d) none of the above
 - Forces have
a) direction b) magnitude c) both (a) and (b) d) none of these

Paper – 3

B. Answer the following questions:

1. How we can measure volume of irregular objects by displacement?
2. An interplanetary spacecraft is moving at $20,000\text{m/s}$. How far will it travel in one day? (Give your answer in km)
3. The diagram shows the forces acting on three objects. For each, whether the forces are balanced or unbalanced, calculate the resultant force and give its direction. Say how the object's motion will change?



4. Write out step by step instructions for an experiment to find the position of the centre of mass of a plane lamina.
5. Many TV sets show 25 images, called 'frames', each second. What is the time interval between one frame and the next?

Paper – 6

C. Alternative to practical:

1. Table shows information about the motion of a number of objects. Copy and complete the table.

Object	Distance travelled	Time Taken	Speed
bus	20km	0.8h	_____
taxi	6km	_____	30m/s
aircraft	_____	5.5h	900km/h
snail	3mm	10s	_____

2. Write out step-by-step instructions for an experiment to find the position of the centre of mass of a plane lamina

Note: This is just a model not the exam paper.