

451/1  
COMPUTER STUDIES  
PAPER 1  
(Theory)  
2016  
2 hours

ALLIANCE HIGH SCHOOL  
CAT 1 TERM 1 EXAM 2016

COMPUTER STUDIES  
Paper 1  
(Theory)  
2 hours

#### INSTRUCTIONS TO CANDIDATES

This paper has two sections; A and B.  
Answer ALL the questions in section A and B  
All answers should be written in the space provided on the question paper.

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SECT.	Question.	Score
A	1 – 15	
B	16	
	17	
	18	
	19	
Total Marks		

This paper consists of 10 printed pages  
Candidates should check the question paper to ensure that all the  
Printed pages are printed as indicated and no questions are missing.

Turn over

**SECTION A (40 MARKS)**

1. A computer laboratory should be constantly kept dust and smoke free. Identify two effects that dust would have on the operation of the computers. [2]

2. List and explain three layout guides used in DTP [3]

3. Explain time sharing data processing mode. [1]

4(a) What is a Database Management System (DBMS)? [1]

(b) Define the following terms as used in a database. [1]

(i) Primary key

(ii) Foreign

5. The Ministry of health has developed a computerized system that helps in medical diagnosis. Describe three major components of such a system [3]

6(a) What is a CPU register? [1]

(b) What are the functions of the following registers? [3]

(i) Program counter.

(ii) Memory Data Register.

(iii) Status register

7(a) What is a computer bus? [1]