

II. Each of the paragraphs below (10-16) gives information about Arthur Phillip College. Read each paragraph and choose which of the linked sections of the website, A-L, would contain this information.

Write the correct letter A-L in boxes 9-15 on your answer sheet.

CONTENTS: ARTHUR PHILLIP COLLEGE

- | | |
|--|--------------------------------------|
| A about Arthur Phillip College | G learning methods |
| B entry requirements | H course fees |
| C orientation for new students | I study commitment |
| D academic counselling service | J assessment and results |
| E credit courses to university | K social activities and clubs |
| F assistance for international students | L what's new |

10. All students receive a transcript of results and relevant award documentation when they end their studies with the College.

11. On enrolment, all students receive automatic membership to the Social Club and Public Speaking Club. Students may choose to participate in any arranged activities. The College encourages and promotes interaction between students and teaching and non-teaching staff.

12. Successful completion and the achievement of an A or B result in some courses will enable students to achieve advanced standing in these subjects if they proceed to university study. For a list of the courses acceptable to a particular university, a-mail us your request with the name of the university and the course you are interested in.

13. Arthur Phillip College is one of the top business colleges in Sydney, Australia. The College offers a wide range of educational and training programs in business and related areas. Its accredited vocational training courses are designed to meet the needs of individual students and industry.

14. At Arthur Phillip College you will learn from lectures, seminars, case studies, group projects, individual assignments and class workshops. Lectures and seminars present concepts and ideas and provide for question-and-answer sessions. Students are expected to take an active role in the learning process through class participation, presentations and projects.

15. Courses at Arthur Phillip College involve an average of 25 hours per week of tuition time, with supervised group study accounting for a further 5 hours per week. At least 10 hours per week of individual study is also recommended for most courses.

16. During this program you will meet the Director of Studies, teachers and key administrative staff such as the Accommodation Officer and Student Counsellor so that, right from your first day, you will know how each of them can help you during your time at the College.

ANSWER			
10. ____	11. ____	12. ____	13. ____
14. ____	15. ____	16. ____	

B. HOMEWORK

ROBOTS AT WORK

A The newspaper production process has come a long way from the old days when the paper was written, edited, typeset and ultimately printed in one building with the journalists working on the upper floors and the printing presses going on the ground floor. These days the editor, subeditors and journalists who put the paper together are likely to find themselves in a totally different building or maybe even in a different city. This is the situation which now prevails in Sydney. The daily paper is compiled at the editorial headquarters, known as the prepress center, in the heart of the city, but printed far away in the suburbs at the printing center. Here human beings are in the minority as much of the work is done by automated machines controlled by computers.

B Once the finished newspaper has been created for the next morning's edition, all the pages are transmitted electronically from the prepress center to the printing center. The system of transmission is an update on the sophisticated page facsimile system already in use at many other newspapers. An image-setter at the printing center delivers the pages as film. Each page takes less than a minute to produce, although for color pages four versions, once each for black, cyan, magenta and yellow are sent. The pages are then processed into photographic negatives and the film is used to produce aluminum printing plates ready for the presses.

C A procession of automated vehicles is busy at the new printing center where the Sydney Morning Herald is printed each day. With lights flashing and warning horns honking, the robots (to give them their correct name, the LGVs or laser guided vehicles) look for all the world like enthusiastic machines from a science fiction movie, as they follow their own random paths around the plant busily getting on with their jobs. Automation of this kind is now standard in all modern newspaper plants. The robots can detect unauthorized personnel and alert security staff immediately if they find an "intruder"; not surprisingly, tall tales are already being told about the machines starting to take on personalities of their own.

D The robots' principal job, however, is to shift the newsprint (the printing paper) that arrives at the plant in huge reels and emerges at the other end some time later as newspapers. Once the size of the day's paper and the publishing order are determined at head office, the information is punched into the computer and the LGVs are programmed to go about their work. The LGVs collect the appropriate size paper reels and take them where they have to go. When the press needs another reel its computer alerts the LGV system. The Sydney LGVs move busily around the press room fulfilling their two key functions to collect reels of newsprint either from the reel stripping stations, or from the racked supplies in the newsprint storage area. At the stripping station the tough wrapping that helps to protect a reel of paper from rough handling is removed. Any damaged paper is peeled off and the reel is then weighed.

E Then one of the four paster robots moves in. Specifically designed for the job, it trims the paper neatly and prepares the reel for the press. If required the reel can be loaded directly onto the press; if not needed immediately, an LGV takes it to the storage area. When the press computer calls for a reel, an LGV takes it to the reel loading area of the presses. It lifts the reel into the loading position and places it in the correct spot with complete accuracy. As each reel is used up, the press drops the heavy cardboard core into a waste bin. When the bin is full, another LGV collects it and deposits the cores into a shredder for recycling.

The LGVs move at walking speed. Should anyone step in front of one or get too close, sensors stop the vehicle until the path is clear. The company has chosen a laser-guide function system for the vehicles because, as the project development manager says "The beauty of it is that if you want to change the routes, you can work out a new route on your computer and lay it down for them to follow". When an LGV's batteries run low, it will take itself off line and go to the nearest battery maintenance point for replacement batteries. And all this is achieved with absolute minimum human input and a much reduced risk of injury to people working in the printing centers.

The question newspaper workers must now ask, however is, "how long will it be before the robots are writing the newspapers as well as running the printing center, churning out the latest edition every morning?"

The text has seven paragraphs, A-G.

Choose the correct heading for paragraphs A-G from the list of headings below.

Write the correct number, *i-ix*, in boxes 1-7 on your answer sheet.

List of Headings

- i. Robots working together
- ii. Preparing LGVs for takeover
- iii. Looking ahead
- iv. The LGVs' main functions
- v. Split location for newspaper production
- vi. Newspapers superseded by technology
- vii. Getting the newspaper to the printing center
- viii. Controlling the robots
- ix. Beware of robots!

- 1. Paragraph A
- 2. Paragraph B
- 3. Paragraph C
- 4. Paragraph D
- 5. Paragraph E
- 6. Paragraph F
- 7. Paragraph G