

**CB 2 A GT**

Section 1 Question 1-13

Questions 1-5

Look at the information on the following page about the use of vehicles in the University grounds.

In boxes 1-5 on your answer sheet write -

- TRUE if the statement is true
- FALSE if the statement is false
- NOT GIVEN if the information is not given in the passage

Example	Answer
The campus roads are not open to general members of the public	TRUE

1. University employees do not need to pay for their parking permits.
2. Parking in Halls of Residence is handled by the Wardens of the Halls.
3. Having a University permit does not allow staff to park at Halls.
4. Parking permits cost £20 a year.
5. Students living in Hall do not need permission to park in Hall car parks.

**USE OF UNIVERSITY GROUNDS BY VEHICULAR TRAFFIC**

The University grounds are private.

The University authorities only allow authorised members of the University, visitors and drivers of vehicles servicing the University to enter the grounds.

Members of staff who have paid the requisite fee and display the appropriate permit may bring a vehicle into the grounds. A University permit does not entitle them to park in Hall car parks, however, unless authorised by the Warden of the Hall concerned.

Students may not bring vehicles into the grounds during the working day unless they have been given special permission by the Security Officer and have paid for and are displaying an appropriate entry permit. Students living in Halls of Residence must obtain permission from the Warden to keep a motor vehicle at their residence.

Students are reminded that if they park a motor vehicle on University premises without a valid permit, they will be fined £20.

**Questions 6-13**

Look at the patient information leaflet below.

Match each of the following sentences with TWO possible endings A-M from the box below.

Write the appropriate letters A-M in boxes 6-13 on your answer sheet.

Example	Answer
Borodine table should not be given to .....	A and M

Questions 6 and 7

Borodine tablets might be used to treat \_\_\_\_\_

Questions 8 and 9

You must ask your doctor before taking Borodine tablets if you are already being treated for \_\_\_\_\_

Questions 10 and 11

You do not need to consult your doctor immediately if Borodine tablets give you \_\_\_\_\_

Questions 12 and 13

You must consult your doctor at once if you find Borodine tablets cause \_\_\_\_\_

- Possible Endings**
- A. children under 12 years of age.
  - B. a headache.
  - C. an uncomfortable feeling in your stomach.
  - D. symptoms similar to a cold.
  - E. a change in your skin colour.
  - F. anything treated by a prescription medicine.
  - G. a kidney complaint.
  - H. a whitening of the eyes.
  - I. sore or broken skin.
  - J. a fungal infection.
  - K. a feeling of sadness.
  - L. shortness of breath.
  - M. M. a woman expecting a child.

<b>PATIENT INFORMATION LEAFLET</b> <i>The name of your medicine is Borodine tablets.</i>	
<p><b>WHAT ARE Borodine TABLETS USED FOR?</b></p> <p>Borodine tablets are used to help relieve hay fever and conditions due to allergies, in particular, skin reactions and a runny nose.</p> <p>It is not recommended that Borodine tablets are given to children under 12 years of age or pregnant or breastfeeding women.</p> <p><b>BEFORE YOU TAKE Borodine TABLETS</b></p> <p>In some circumstances, it is very important not to take Borodine tablets. If you ignore these instructions, this medicine could affect your heart rhythm.</p> <p>Are you taking oral medicines for fungal infections?</p> <p>Have you suffered a reaction to medicines containing Borodine before?</p> <p>Do you suffer from any liver, kidney or heart disease?</p> <p>If the answer to any of these questions is YES, do not take Borodine tablets before consulting your doctor.</p>	<p><b>AFTER TAKING Borodine TABLETS</b></p> <p>Borodine tablets, like many other medicines, may cause side-effects in some people.</p> <p>If you faint, stop taking Borodine tablets and tell your doctor immediately.</p> <p>In addition, Borodine tablets may cause problems with your vision, hair loss, depression or confusion, yellowing of your skin or your eyes.</p> <p>If you have these effects whilst taking Borodine tablets tell your doctor immediately.</p> <p>Other side-effects are dizziness or headaches, and indigestion or stomach ache. However, these effects are often mild and usually wear off after a few days' treatment. If they last for more than a few days, tell your doctor.</p>

Section 2: Question 14-26

You should spend about 20 minutes on Questions 14-26, which are based on the text below.

Questions 14-20

Look at the introduction to **West Thames College** below and at the statements (Questions 14-20) below.

In boxes 14-20 on your answer sheet write

TRUE if the statement is true  
FALSE if the statement is false  
NOT GIVEN if the information is not given in the passage

14. Chiswick Polytechnic was closed at the same time West Thames College was opened.
15. Most of the students at the college come from outside the local area.
16. The college changed its name to West Thames College in 1993.
17. There are currently 6000 students over the age of 19 attending the college.
18. Students under the age of 16 cannot attend any of the courses offered by the college.
19. The college offers a more mature environment in which to learn than a school.
20. There are fewer subjects to study in the sixth form of a school than at the college.

### WEST THAMES COLLEGE BACKGROUND INFORMATION FOR CANDIDATES

West Thames College (initially known as Hounslow Borough College) came into existence in 1976 following the merger of Isleworth Polytechnic with part of Chiswick Polytechnic. Both parent colleges, in various guises, enjoyed a long tradition of service to the community dating back to the 1890s.

The college is located at London Road, Isleworth, on a site occupied by the Victorian house of the Pears family, Spring Grove House. An earlier house of the same name on this site had been the home of Sir Joseph Banks, the botanist who named Botany Bay with Captain Cook in 1770. Later he founded Kew Gardens.

Situated at the heart of West London, West Thames College is ideally placed to serve the training and education needs of local industry and local people. But its influence reaches much further than the immediate locality.

Under its former name, Hounslow Borough College, it had already established a regional, national and international reputation for excellence. In fact, about eight per cent of its students come from continental Europe and further afield, whilst a further 52 per cent are from outside the immediate area. Since 1 April 1993, when it became independent of the local authority and adopted its new title, West Thames College has continued to build on that first class reputation.

These days there is no such thing as a typical student. More than half of West Thames college's 6000 students are over 19 years old. Some of these will be attending college part-time under their employers' training schemes. Others will want to learn new skills purely out of interest, or out of a desire to improve their promotion chances, or they may want a change in career.

The college is also very popular with 16-18 year olds, who see it as a practical alternative to a further two years at school. They want to study in the more adult atmosphere the college provides. They can choose from a far wider range of subjects than it would be practical for a sixth form to offer. If they want to go straight into employment they can still study at college to gain qualifications relevant to the job, either on a day-release basis or through Network or the Modern Apprenticeship Scheme.

Questions 21-26

Look at the **West Thames College's Services for Students** on the following page. Each paragraph A-H describes a different service provided by the college.

From the list below (i-xi) choose the most suitable summaries for paragraphs A, C and E-H. Write the appropriate number (i-xi) in boxes 21-26 on your answer sheet.

**NB:** There are more summaries than paragraphs, so you will not use them all.

21. Paragraph A

Example	Answer
Paragraph B	xi

22. Paragraph C

Example	Answer
Paragraph D	i

23. Paragraph E

24. Paragraph F

25. Paragraph G

26. Paragraph H

- i. A shop for the books and stationery needed to study
- ii. Counseling and welfare willing to listen, offer advice or arrange a referral
- iii. An Examinations Office arranging exams and issuing certificates
- iv. A Registrar's Office handling all fee payments and related enquiries
- v. A Medical service offering on-site assistance with health-related problems
- vi. A tutorial system for regular one-to-one guidance, support and feedback
- vii. Careers Advice helping students into employment
- viii. An admissions Service providing assistance in choosing and applying for higher education courses
- ix. A Student Union representing students on college committees
- x. Clubs and societies for students' free-time
- xi. A Learning Support Service supporting students in studying, presenting information and handling numbers.

### WEST THAMES COLLEGE SERVICES FOR STUDENTS

**A.** As a full-time student at West Thames College you will have your own Personal Mentor who will see you each week to guide you through your studies, and discuss any problems which may arise. We take a cooperative approach to the assessment of your work and encourage you to contribute to discussion.

**B.** This service provides specialist assistance and courses for those who need help to improve their writing, oral and numeracy skills for the successful completion of their college course. Help with basic skills is also available.

**C.** This service is available to anyone who is undecided as to which course to follow. It is very much a service for the individual, whatever your age, helping you to select the best option to suit your circumstances. The service includes educational advice, guidance and support, including a facility for accrediting your previous experience – the Accreditation of Prior Learning (APL). The Admissions Office is open Monday to Friday 9.00 am to 5.00 pm. All interviews are confidential and conducted in a relaxed and friendly atmosphere. Evening appointments are available on request.

**D.** The College Bookshop stocks a wide range of books, covering aspects of all courses, together with a good selection of stationery. It also supplies stamps, phone cards, blank videos and computer disks. The shop is open at times specified in the Student Handbook in the mornings, afternoons and evenings.

**E.** When students are weary from study and want the chance to relax and enjoy themselves with friends, they can participate in a number of recreational activities. Depending on demand, we offer a range of sporting activities including football, badminton, basketball, table tennis, volleyball, weight training and aerobics. For the non-sporting students we offer a debating society, video club, hair and beauty sessions, as well as a range of creative activities. Suggestions for activities from students are always welcome.

**F.** This confidential service is available if you have practical or personal difficulties during your course of study, whether of a financial or personal nature. Our Student Advisors can help you directly or put you in touch with someone else who can give you the help you need.

**G.** The College Nurses are there for general medical advice and for treatment of illness or injury. All visits are confidential. First aid boxes and fully-trained First Aiders are also on hand at various locations around the college.

**H.** West London employers have a permanent base in the centre of college, with access to a database of more than 24,000 jobs available locally and in Central London. They will also help you with job applications and interview techniques.

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You should spend about 20 minutes on Questions 27-40.

### The Discovery of Uranus

Someone once put forward an attractive though unlikely theory. Throughout the Earth's annual revolution around the sun, there is one point of space always hidden from our eyes. This point is the opposite part of the Earth's orbit, which is always hidden by the sun. Could there be another planet there, essentially similar to our own, but always invisible?

If a space probe today sent back evidence that such a world existed it would cause not much more sensation than Sir William Herschel's discovery of a new planet, Uranus, in 1781. Herschel was an extraordinary man - no other astronomer has ever covered so vast a field of work - and his career deserves study. He was born in Hanover in Germany in 1738, left the German army in 1757, and arrived in England the same year with no money but quite exceptional music ability. He played the violin and oboe and at one time was organist in the Octagon Chapel in the city of Bath. Herschel's was an active mind, and deep inside he was conscious that music was not his destiny; he, therefore, read widely in science and the arts, but not until 1772 did he come across a book on astronomy. He was then 34, middle-aged by the standards of the time, but without hesitation he embarked on his new career, financing it by his professional work as a musician. He spent years mastering the art of telescope construction, and even by present-day standards, his instruments are comparable with the best.

Serious observation began in 1774. He set himself the astonishing task of 'reviewing the heavens', in other words, pointing his telescope to every accessible part of the sky and recording what he saw. The first review was made in 1775; the second, and most momentous, in 1780-81. It was during the latter part of this that he discovered Uranus. Afterwards, supported by the royal grant in recognition of his work, he was able to devote himself entirely to astronomy. His final achievements spread from the sun and moon to remote galaxies (of which he discovered hundreds), and papers flooded from his pen until his death in 1822. Among these there was one sent to the Royal Society in 1781, entitled *An Account of a Comet*. In his own words:

*On Tuesday the 13th of March, between ten and eleven in the evening, while I was examining the small stars in the neighbourhood of H Geminorum, I perceived one that appeared visibly larger than the rest; being struck with its uncommon magnitude, I compared it to H Geminorum and the small star in the quartile between Auriga and Gemini, and finding it to be much larger than either of them, suspected it to be a comet.*

Herschel's care was the hallmark of a great observer; he was not prepared to jump any conclusions. Also, to be fair, the discovery of a new planet was the last thought in anybody's mind. But further observation by other astronomers besides Herschel revealed two curious facts. For comet, it showed a remarkably sharp disc; furthermore, it was moving so slowly that it was thought to be a great distance from the sun, and comets are only normally visible in the immediate vicinity of the sun. As its orbit came to be worked out the truth dawned that it was a new planet far beyond Saturn's realm, and that the 'reviewer of the heavens' had stumbled across an unprecedented prize. Herschel wanted to call it *Georgium Sidus* (Star of George) in honour of his royal patron King George III of Great Britain. The planet was later for a time called Herschel in honour of its discoverer. The name Uranus, which was first proposed by the German astronomer Johann Elert Bode, was in use by the late 19th century.

Uranus is a giant in construction, but not so much in size; its diameter compares unfavourably with that of Jupiter and Saturn, though on the terrestrial scale it is still colossal. Uranus' atmosphere consists largely of hydrogen and helium, with a trace of methane. Through a telescope the planet appears as a small bluish-green disc with a faint green periphery. In 1977, while recording the occultation (1) of a star behind the planet, the American astronomer James L. Elliot discovered the presence of five rings encircling the equator of Uranus. Four more rings were discovered in January 1986 during the exploratory flight of Voyager 2 (2). In addition to its rings, Uranus has 15 satellites ('moons'), the last 10 discovered by Voyager 2 on the same flight; all revolve about its equator and move with the planet in an east-west direction. The two largest moons, Titania and Oberon, were discovered by Herschel in 1787. The next two, Umbriel and Ariel, were found in 1851 by the British astronomer William Lassell. Miranda, thought before 1986 to be the innermost moon, was discovered in 1948 by the American astronomer Gerard Peter Kuiper.

#### Glossary:

'(1) occultation': in astronomy, when one object passes in front of another and hides the second from view, especially, for example, when the moon comes between an observer and a star or planet.

'(2) Voyager 2': an unmanned spacecraft sent on a voyage past Saturn, Uranus and Jupiter in 1986; during which, it sent back information about these planets to scientists on earth.

Questions 27-31

Complete the table below. Write a date for each answer. Write your answers in boxes 27-31 on your answer sheet.

Event	Date
Example William Herschel was born	Answer 1738
Herschel began investigating astronomy	27. _____
Discovery of the planet Uranus	28. _____
Discovery of the moons Titania and Oberon	29. _____
First discovery of Uranus' rings	30. _____
Discovery of the last 10 moons of Uranus	31. _____

Questions 32-36

Do the following statements reflect the claims of the writer of the Reading Passage?

In boxes 32-36 on your answer sheet write:

- YES if the statement reflects the claims of the writer
- NO if the statement contradicts the writer
- NOT GIVEN if it is impossible to say what the writer thinks about this

*Example*

*Answer*

*Herschel was multi-talented*

*YES*

- 32. It is improbable that there is a planet hidden behind the sun.
- 33. Herschel knew immediately that he had found a new planet.
- 34. Herschel collaborated with other astronomers of his time.
- 35. Herschel's newly-discovered object was considered to be too far from the sun to be a comet.
- 36. Herschel's discovery was the most important find of the last three hundred years.

Questions 37-40

Complete each of the following statements (Questions 37-40) with a name from the Reading Passage.

Write your answers in boxes 37-40 on your answer sheet.

The suggested names of the new planet started with 37. \_\_\_\_\_, then 38. \_\_\_\_\_, before finally settling on Uranus. The first five rings around Uranus were discovered by (39). \_\_\_\_\_. From 1948 until 1986, the moon 40. \_\_\_\_\_ was believed to be the moon closest to the surface of Uranus.

**Answer – CB 2 A GT**

1. FALSE
2. TRUE
3. TRUE
4. NOT GIVEN
5. FALSE
- 6 & 7: D, I (In either order)
- 8 & 9: G, J (In either order)
- 10 & 11: B, C (In either order)
- 12 & 13: E, K (In either order)
14. NOT GIVEN
15. TRUE
16. TRUE
17. FALSE
18. NOT GIVEN
19. TRUE
20. TRUE
21. vi
22. viii
23. x
24. ii
25. v
26. vii
27. 1772
28. 1781
29. 1787
30. 1977
31. 1986
32. YES
33. NO
34. NOT GIVEN
35. YES
36. NOT GIVEN
37. GeorgiumSidus
38. Herschel
39. James L. Elliot
40. Miranda

