

Informations concernant l'épreuve

Barème et mode de calcul note finale	1 point par question – 42 Questions
Durée	1h00
Consignes pour les candidats	<p><i>Merci de ne rien marquer sur le sujet</i></p> <p><i>Pour chaque question de l'épreuve, une seule bonne réponse possible</i></p> <p><i>Répondez sur la grille séparée</i></p> <p><i>Seules les grilles correctement remplies seront corrigées</i></p>

NB. : Dans cette épreuve, on demande d'indiquer, pour chaque question, la bonne réponse parmi celles qui sont proposées.

Part 1 – Engineering, Science & Technology

Instructions – Find the correct answer in each of the sentences below by selecting A, B, C or D

- (1) The inventor Thomas Edison is renowned for creating the first :
 (A) space rocket (B) refrigerator (C) electric lightbulb (D) compact disc
- (2) The term Geoengineering can be defined as :
 (A) a large scale manipulation of the earth's environment, particularly to mitigate global warming.
 (B) one of the branches of geography which involves a study of urban areas.
 (C) a specific area of engineering that compares its relationship to geography.
 (D) simply a combination of geography and engineering as an area of academic interest.
- (3) The Periodic Table for chemical elements contains, amongst others, the symbol **Fe** which represents :
 (A) fluorine (B) iron (C) silicon (D) phosphorous
- (4) Penicillin, the first antibiotic of the 20th century, was discovered in 1928 by :
 (A) Marie Curie (B) Robert Koch (C) Louis Pasteur (D) Alexander Fleming
- (5) Biomimetics is the field of science which :
 (A) studies how biologists have copied each others ideas through the centuries
 (B) involves an invention or innovation which imitates the biological structure of something from nature
 (C) can be defined as branch of biology studying how animals interact naturally
 (D) is a recent scientific breakthrough to help engineers and biomedical researchers.
- (6) In the study of engineering innovation can be defined as :
 (A) An improvement of an existing invention
 (B) Coming before an existing invention
 (C) Originating at the same time as an object of invention
 (D) None of the above

- (7) Spatial research on the ISS (International Space Station) involves several space agencies from :
(A) UK, France & Norway
(B) USA, Russia, Japan, Europe & Canada
(C) Every country/continent in the world
(D) None of the above
- (8) The German engineer Carl Benz is credited for being the actual inventor of the automobile, patented in :
(A) 1795 (B) 1901 (C) 1903 (D) 1886
- (9) Within the study of physics the Theory of Relativity was devised in the early 20th century by :
(A) Lord Kelvin (B) Albert Einstein (C) Edwin Hubble (D) Dorothy Hodgkin
- (10) Many functioning machines can be accredited to French physicist André Ampère who was the first to apply :
(A) steam power (B) wave power (C) electrodynamics (D) Ohm's Law

Part 2 – Grammar & Reading

- (11) While he is away from the office, we can reach Mr Cho by calling _____ home phone number.
(A) himself (B) him (C) he (D) his
- (12) Recently, Jongno Art Museum has produced several _____ praised award-winning exhibitions.
(A) height (B) highest (C) highly (D) high
- (13) I look forward to hearing from you as soon as you _____ from your vacation.
(A) had returned (B) return (C) returned (D) will return
- (14) You may note any special meal requests _____ the space provided on the enclosed form.
(A) up (B) out (C) in (D) of
- (15) The winter publication schedule has _____ been distributed to the editors.
(A) already (B) when (C) tomorrow (D) ever
- (16) Local artists sell their handmade _____ at the Canbury Market every Saturday morning.
(A) creative (B) creations (C) created (D) creatively
- (17) If a customer finds the product advertised _____ for less, we will gladly match the lower price.
(A) together (B) elsewhere (C) beside (D) mutually

- (18) Although Brawley Manufacturing is struggling domestically, its international ventures have become _____ .
(A) success (B) more successful (C) successfulness (D) most successfully
- (19) In the event of _____ weather, the employee recognition ceremony will be relocated from the gardens to the conference room.
(A) vigilant (B) unfounded (C) susceptible (D) inclement
- (20) The cancellation of Saturday’s concert at Madison Hall was _____ unexpected problems with the sound system
(A) because (B) as if (C) due to (D) unless
- (21) Zellacor Software, INC., _____ hires part-time programmers and information technology specialists
(A) closely (B) highly (C) nearly (D) frequently
- (22) To meet the audit deadline, accountants at Lyang Associates must submit all financial reports by tomorrow morning at the _____.
(A) latest (B) lowest (C) oldest (D) finest

Questions 23 to 25 refer to the following notice

Attention Lab Employees

(23) Rexenta employees who work in the laboratory are reminded to adhere strictly to the following procedures. _____ mixing a solution, all flasks and containers used must be washed immediately.

- (A) Even
- (B) After
- (C) Just as
- (D) So that

(24) solution cannot be set aside _____, then you should wash the containers as soon as possible following the mixing process.

- (A) brevity
- (B) briefing
- (C) brief
- (D) briefly

(25) In addition a logbook is located at every single station in the lab. Employees must enter in the logbook the type and amount of any solution prepared.

These procedures are _____. Consequently, we expect full compliance by employees.

- (A) tentative
- (B) reversible
- (C) mandatory
- (D) supplemental

Questions 26 to 30 refer to the following linked texts :

Sherwood Landscape and Gardening Service (SLGS)

4 Hemlock Lane, Chester CH2 3NL

Telephone: 07700 900 241

SLGS is a family-owned landscaping company serving residential and commercial clients. Licensed to operate throughout the county and fully insured with Communal Insurance UK, SLGS provides:

- Lawn maintenance
- Spring and autumn cleanup of plant beds
- Weeding and insect control
- Tree, shrub, and flower planting
- Leaf removal in autumn
- Tree and shrub removal

- First-time customers receive 15 percent off a job of £200 or more.
- Sign a yearlong maintenance contract and get your first two lawn cuttings for free.
- Refer a friend and receive £20 off your next bill.

To receive a free price quotation, call Jack Bratton or complete the online form at www.sherwoodlandscaping.co.uk.

To:	Jack Bratton <jbratton@sherwoodlandscaping.co.uk>
From:	Bao Chang <bchang@coremail.co.uk>
Date:	15 April
Subject:	Service

Mr. Bratton,

Thank you for all the work you and your team did at my home on 2 April. The shrubs and flowers you planted transformed the garden from just ordinary to highly attractive. I also appreciate the tips you provided for maintaining the garden; I expect the greenery will be thriving for some time.

There is one problem, though. I received your invoice today in the mail, and it did not reflect the 15 percent discount taken off the total price. Could you please provide me with a corrected invoice as soon as possible? The invoice number is S4385.

I am also interested in signing a yearlong lawn maintenance contract. How much would it cost to mow the lawn weekly in spring and biweekly in summer and autumn months? I would also like to include weed removal as part of that contract.

Thank you.

Bao Chang

- (26) What is true about SLGS ?
- (A) Its services are limited to residential properties
 - (B) It has a license to perform landscaping services
 - (C) Its services are less expensive than those of other companies
 - (D) It operates only during the spring and summer months
- (27) According to the advertisement, what can be found on the SLGS Website ?
- (A) Photos of recent projects
 - (B) Online bill payments
 - (C) Reference letters from customers
 - (D) A form for potential customers
- (28) In the e-mail the word ‘tips’ in paragraph 1, line 3, is closest in meaning to
- (A) tools
 - (B) advice
 - (C) plants
 - (D) money
- (29) What is suggested about Ms. Shang ?
- (A) She was billed at least £200 for landscaping by SLGS
 - (B) She was not pleased with the work done by SLGS
 - (C) She has been a longtime SLGS customer
 - (D) She was referred to by a friend to SLGS
- (30) What does Ms. Shang ask Mr. Bratton to provide ?
- (A) An invoice number
 - (B) A price for lawn cutting
 - (C) A schedule for yard work
 - (D) A copy of a contract

Questions 31 to 35 refer to the following schedule and e-mail :

KQB Design Associates, Conference Room B schedule for May				
Monday	Tuesday	Wednesday	Thursday	Friday
		1 All Day Board of Directors Meeting	2 All Day Board of Directors Meeting	3 4:00–4:30 Room Cleaning
6	7 10:30–12:00 Palomino Client Presentation	8	9	10 4:00–4:30 Room Cleaning
13	14	15 9:00–10:30 Marketing Team Meeting	16	17 4:00–4:30 Room Cleaning
20	21	22	23 10:00–11:00 Workplace Safety Discussion	24 4:00–4:30 Room Cleaning
27 2:30–4:00 YYB Systems Client Presentation	28	29 9:00–10:30 Marketing Team Meeting	30	31 4:00–4:30 Room Cleaning

To reserve a conference room, contact office manager Jeffrey O'Leary at joleary@kqbdesign.com with the desired date and time. He will ensure that there are no scheduling conflicts. Conference rooms are intended for large group meetings and client meetings only, not for individual design projects. Employees needing extra work space for individual projects may request Rooms 314 and 315.

From:	Jeffrey O'Leary < joleary@kqbdesign.com >
To:	Vashti Gupta < vgupta@kqbdesign.com >
Date:	May 17, 11:45 A.M.
Subject:	Conference room

Hi Vashti,

I received your request to use Conference Room B. Unfortunately, it is already reserved for the workplace safety discussion at 10 A.M. That discussion will last one hour, so I could schedule your meeting in the very next slot (11 A.M.). Will that time work for you?

Also, remember that we have installed a new projector in this room. It is a little confusing to operate, so I recommend talking to Lee Carlson in the IT department—he can set it up for you.

Jeffrey

- (31) What is indicated about Conference Room B ?
- (A) Shareholder meetings are held there.
 - (B) It is the largest room at the KQB offices.
 - (C) It is cleaned on a weekly basis
 - (D) The marketing team meets there daily
- (32) According to the calendar, how should conference rooms be reserved ?
- (A) By placing a call to a design manner
 - (B) By e-mailing a request to an office manager
 - (C) By making a reservation on a paper calendar
 - (D) By entering a reservation into an online calendar
- (33) What is stated about individual projects ?
- (A) Mr O’Leary will review their progress.
 - (B) They are not a company priority.
 - (C) They must be approved by Mr. Carlson.
 - (D) Room 314 may be available for working on them.
- (34) What is suggested about Ms Gupta ?
- (A) She wants to schedule a meeting for May 23.
 - (B) She is about to take a business trip.
 - (C) She is interested in workplace safety issues
 - (D) She will attend the marketing team meeting on May 29.
- (35) What does Mr. O’Leary advise Ms Gupta to do ?
- (A) Replace a piece of equipment
 - (B) Contact a coworker for technical assistance
 - (C) Distribute an agenda for an upcoming meeting
 - (D) Return his copy of the calendar

Questions 36 to 40 refer to the following instructions and letter :

Replacing Your Ink Cartridge

1. Make sure that the printer is turned on and that the "Ready" light (located on the top panel) is green.
2. Open the printer's back panel. The ink cartridge carrier is on the left.
3. Find the yellow tab on the right side of the cartridge carrier. Move it to the "open" position and remove the old ink cartridge. Old cartridges should be disposed of in a leakproof plastic bag.
4. Insert the new ink cartridge. Make sure that the arrow on the cartridge lines up with the arrow on the cartridge carrier. The cartridge should snap securely into place. NOTE: We recommend using new cartridges manufactured only by Vreelux Systems. Installing cartridges from other manufacturers will void your one-year printer warranty.
5. Close the back panel. Check the ink indicator light, which is next to the "Ready" light. If the ink indicator light is flashing, the new cartridge may have been installed incorrectly. Repeat steps 2 through 5 and make sure that the cartridge is securely inserted into the carrier.
6. Load paper into the paper tray and press the "Test Paper" button (located on the right panel). A sheet will be printed displaying text in different colors.

For additional help or to order new cartridges, contact our Product Services Department by e-mail at productservices@vreeluxsystems.com or by telephone at 850-555-0111.

January 15

Vreelux Systems, Inc.
Product Services Department
2200 Marsh Boulevard
Tallahassee FL 32303

Dear Sir or Madam:

I am writing with regard to the Vreelux 9000 printer that I bought in September. I am very pleased with how the product performs, particularly the speed at which it prints documents. However, I had a small problem when I attempted to install the new ink cartridges.

I purchased a set of cartridges from Xial Products, each of which was wrapped in protective tape. Your instructions for installing new cartridges do not specify that this tape must be removed before a cartridge is installed. Though the cartridges I purchased were from your competitor, most ink cartridges do include protective tape. Therefore, I suggest that you clarify this in future versions of the manual so that other customers know how to proceed.

Sincerely,

Rosa Menendez

Rosa Menendez

(36) Where is the ink indicator light located ?

- (A) On the top panel
- (B) On the back panel
- (C) On the left panel
- (D) On the right panel

(37) What step is NOT mentioned in the instructions ?

- (A) Turning on the printer
- (B) Shaking the cartridge before installing it
- (C) Aligning the cartridge with an arrow
- (D) Printing a sample page

(38) Why did Ms. Medendez send the letter ?

- (A) To order a copy of an instruction manual
- (B) To complain about the quality of a product
- (C) To suggest that instructions be revised
- (D) To request that a product be repaired

(39) In the letter, the word ‘performs’ in paragraph 1, line 2, is closest in meaning to

- (A) Causes
- (B) Represents
- (C) Appears
- (D) Functions

(40) What is suggested about Ms. Medendez ?

- (A) She purchased a printer from Xial Products.
- (B) She returned the used cartridges to Vreelux systems
- (C) Her replacement cartridges were defective
- (D) Her printer is no longer covered by the warranty.

Questions 41 to 42 refer to the following store advertisement :

San Fernando Kestrels Store

www.sfkestrelsstore.com

*50 % off any single Item of San Fernando Kestrels sportswear!**

Includes authorized replicas of the official team football jersey, workout clothes, jackets, shorts and other sportswear, all with the Kestrels team logo. To take advantage of this offer, simply enter code K450LM when you make a purchase from our Web site.

*Offer not valid after February 28. To be used for the purchase of one item only. Cannot be used for running shoes or other athletic footwear. Visit www.sfkestrelsstore.com/promo for details.

(41) When can the code be used to get a discount ?

- (A) When mailing in a form
- (B) When visiting a local store
- (C) When calling an order
- (D) When making a purchase online

(42) To what items does the discount NOT apply ?

- (A) Jerseys
- (B) Shorts
- (C) Shoes
- (D) T-shirts

Feuille de réponses :

Les réponses aux questions sont à donner exclusivement sur cette feuille.

les réponses données sur les feuilles précédentes ne seront pas prises en compte.

Nom et Prénom

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Question 1 : A ☐ B ☐ C ☐ D ☐
Question 2 : A ☐ B ☐ C ☐ D ☐
Question 3 : A ☐ B ☐ C ☐ D ☐
Question 4 : A ☐ B ☐ C ☐ D ☐
Question 5 : A ☐ B ☐ C ☐ D ☐
Question 6 : A ☐ B ☐ C ☐ D ☐
Question 7 : A ☐ B ☐ C ☐ D ☐
Question 8 : A ☐ B ☐ C ☐ D ☐
Question 9 : A ☐ B ☐ C ☐ D ☐
Question 10 : A ☐ B ☐ C ☐ D ☐
Question 11 : A ☐ B ☐ C ☐ D ☐
Question 12 : A ☐ B ☐ C ☐ D ☐
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Question 39 : A ☐ B ☐ C ☐ D ☐
Question 40 : A ☐ B ☐ C ☐ D ☐
Question 41 : A ☐ B ☐ C ☐ D ☐
Question 42 : A ☐ B ☐ C ☐ D ☐