

Barème et mode de calcul note finale	46 Questions – Note finale/46 1 point pour une bonne réponse 0 point pour aucune réponse ou une réponse ambiguë : réponse multiple, case raturée ou encadrée au lieu de noircie
Durée	1h00
Consignes pour les candidats	<i>Merci de ne rien marquer sur le sujet.</i> <i>Pour chaque question de l'épreuve, une seule bonne réponse possible.</i> <i>Répondez uniquement sur la grille séparée.</i> <i>Seules les grilles correctement remplies seront corrigées.</i>

Part 1 – Engineering, Science & Technology

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

- (1) In the Periodic Table the symbol for iron is _____.
(A) In
(B) Ir
(C) Fe
(D) I
- (2) The value of pi is approximately _____.
(A) three dot one four one five nine
(B) three point one four one five nine
(C) three comma one four one five nine
(D) Three point four one five one nine
- (3) The study of living organisms with the environment is known as _____.
(A) Ecosystem
(B) Environment
(C) Community
(D) Ecology
- (4) The study of phenomena at very low temperatures is called _____.
(A) heat transfer
(B) cryogenics
(C) morphology
(D) crystallography
- (5) What is the climate pattern in areas of limited size or immediate surroundings of plant and animal?
(A) Mixed climate
(B) Macroclimate
(C) Microclimate
(D) Segmented climate
- (6) The yeast used in making bread is _____.
(A) a plant
(B) a fungus
(C) bacteria
(D) a seed

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- (7) Cohesion of water molecules is due to _____.
(A) diffusion
(B) osmosis
(C) gravitational force
(D) surface tension
- (8) Oil, natural gas and coal are examples of _____.
(A) bio fuels
(B) fossil fuels
(C) renewable energy sources
(D) geothermal energy
- (9) When a wooden spoon is dipped in a cup of ice cream, its other end will _____.
(A) become cold by the process of conduction
(B) become cold by the process of convection
(C) become cold by the process of radiation
(D) not become cold
- (10) The biological decomposition of organic substances in waste under controlled conditions known as
(A) Incineration
(B) Pyrolysis
(C) Composting
(D) Sanitary landfill

Part 2 – Grammar & Reading

- (11) The first set of videos is ready and will be posted on our site _____ two weeks.
(A) at (B) until (C) within (D) on
- (12) If you won the lottery, what _____ with the money?
(A) will you do (B) have you done (C) would you do (D) did you do
- (13) Seats for the new Idris Elba film are already _____ sold out.
(A) complete (B) completely (C) completed (D) completing
- (14) I _____ my house keys last week so I cannot lock my front door.
(A) have lost (B) lose (C) was losing (D) lost
- (15) I moved to France 20 years ago and I _____ with it ever since.
(A) have been enchanted (B) was enchanted (C) am enchanting (D) enchant
- (16) JB Shutton's new book consist of a collection of short stories _____ are about his travel experiences.
(A) mostly (B) they most (C) most who (D) most of which
- (17) Mr. Thompson has requested that Ms. Smith _____ the general meeting.
(A) attend (B) has attended (C) will attend (D) is attending
- (18) In a recent survey _____ students said they were very happy with their choice of studies
(A) mostly (B) most of (C) the most (D) most

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- (19) Managers are observing employee performance _____ this year to see how this can be improved.
(A) most careful (B) more carefully (C) most carefully (D) more careful
- (20) It was pouring rain and very windy! _____ we went for a walk in the country.
(A) However (B) Although (C) In spite of (D) No wonder
- (21) If I _____ you were here, I would have come earlier.
(A) know (B) have known (C) had known (D) knowed
- (22) The city has announced that many roads _____ closed for repairs next week.
(A) is being (B) will be (C) has been (D) will to be
- (23) The meeting tomorrow has been cancelled. Please _____ your schedules accordingly.
(A) allow (B) refine (C) adjust (D) remove
- (24) To _____ an appointment, please call between 9:00 a.m and 5:00 p.m. Monday thru Friday.
(A) make (B) take (C) do (D) form
- (25) Social media is gaining _____ among employers as a recruiting tool.
(A) growth (B) practice (C) increase (D) popularity

Questions 26 to 28 refer to the following job advertisement.

The Ambrosia Hair Salon

We _____ for competent and experienced hair stylists to join our team full time, Monday through Friday.

- (26) (A) look
(B) looked
(C) are looking
(D) have looked

Our salon is in a lively part of the inner-city business area, near the theater district. It attracts an elite clientele, including many celebrities.

Our hair stylists must be creative and work well without _____.

- (27) (A) supervise
(B) supervisor
(C) supervised
(D) supervision

To apply, please send your CV to: ambrosia@salon.com. Successful candidates _____ to pass an in-house training course before working with clients.

- (28) (A) will
(B) must
(C) need
(D) should

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Questions 29-31 refer to the following memorandum.

MEMORANDUM

To: Kim Rey, Jonathan Baylor, Mary Kilter

From: Dan Rich

Date: June 1, 20__

Subject: Bonus leave for employees with outstanding performance

Starting January 1, 20__ we will introduce the following_____to our annual leave policy: up to five employees may be awarded special annual bonus leave for outstanding performance.

- (29) (A) modify
(B) modified
(C) modifying
(D) modification

_____employees will have an additional five days of annual leave credited on January 15.

- (30) (A) Eligible
(E) Satisfied
(F) Available
(G) Performed

The bonus leave of each year_____for separately and will remain available until used.

- (31) (A) accounts
(B) is an account
(C) would account
(D) will be accounted

We will have a meeting by the end of December to approve the final list. If you have any questions or comments, please let me know.

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Questions 32 and 33 refer to the following recipe.

Grandma's Spaghetti Sauce

This is a slightly sweet spaghetti sauce that my grandmother Emma has been making for as long as anyone in the family can remember. The recipe can easily be doubled, so you can make a lot and freeze it for later use. In fact, my sister and I agree it tastes better after it's been frozen for at least a week!

MAKES 8-10 SERVINGS

1 large can crushed tomatoes
4 tablespoons tomato paste
1 cup water
1 ½ lbs ground beef
3 tablespoons olive oil
2 tablespoons sugar
2 teaspoons cinnamon
2 teaspoons dried basil
2 teaspoons dried oregano
4 garlic cloves
1 large red onion (whole)
2-4 tablespoons parmesan cheese

Cook the meat in a skillet until just barely brown; drain any excess grease. Set aside.

In large pot, combine crushed tomatoes and tomato paste. Add water, sugar, cinnamon, garlic, herbs, olive oil and whole onion. Bring to a boil, stirring frequently, until tomato paste is mixed thoroughly.

Reduce to a simmer and add meat. Add parmesan cheese. Simmer for at least 1.5 hours, longer is better. Remove onion.

Serve over cooked spaghetti or other pasta, preferably homemade. Freeze remaining sauce and store for up to 4 months.

(32) How is the onion prepared?

- (A) It is chopped.
- (B) It is cut in half.
- (C) It is used whole.
- (D) It is sliced thinly.

(33) What is said about the sauce?

- (A) It should not be frozen.
- (B) It should not be allowed to boil.
- (C) It should be allowed to cool before serving.
- (D) It should be served with homemade pasta.

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Questions 34-36 refer to the following memorandum

Memorandum

From: Janet Reynolds, Human Resources Director
To: Linda Rodriguez, Research & Development Manager
Pete Knoff, Quality Control Manager
Cc: Rebecca Wright
Date: August 15, 20__
Subject: Rebecca Wright

As was agreed in our meeting this morning, Rebecca Wright will transfer from the Quality Control department to the Research and Development department on September 1st. Her pay and benefits will remain unchanged; however, she will be eligible for a merit pay increase after a 90-day probationary period.

If you have questions about this, or any other matter, please feel free to stop by my office at any time.

(34) Who wrote the memorandum?

- (A) Pete Knoff
- (B) Janet Reynolds
- (C) Linda Rodriguez
- (D) Rebecca Wright

(35) What will happen to Ms. Wright?

- (A) She will change companies.
- (B) She will work for Linda Rodriguez.
- (C) She will lose some of her benefits.
- (D) She will transfer her funds to Mr. Knoff.

(36) What can be inferred about Ms. Wright?

- (A) Her work is not up to company standards.
- (B) She has been asked to leave the company.
- (C) Her pay will not change for at least 90 days.
- (D) She has approximately two weeks to complete a project.

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Questions 37 to 39 refer to the following résumé.

Mary Sutton
144 10th Street
Chesterfield, MO 63005
m_sutton@largemail.com Tel:
(314) 207-5998

Objective

I am interested in continuing a challenging career in the Travel Business where my travel and computer experience will be used.

Experience

2001 to present

World Travel Tours

- In charge of booking, ticketing, sales and customer service
- Applied knowledge of the SARTRE and ONEWORLD computer systems
- Organized domestic and international group tours and packaged holidays
- Supervised personnel

1995-1999

TS Corporation

- Installed software for new clients and provided support at their offices
- Developed online message system for members of the programming group
- Supervised and guided new programmers in the team

1992-1994

Norton High School

- Taught American and English literature
- Prepared lesson plans, tests, reports, projects, school activities
- Editor of school magazine

Education

BA in Education

Major: English Literature

Tiltsdale University

MA in Computer Science

Major: Computer Programming

Ohio Technical University

Online Travel Agent Certificate

El Cerrito College, CA

(37) Which industry is Ms. Sutton interested in working in?

- (A) Tourism
- (B) Education
- (C) Publishing
- (D) Technology

(38) Where did Ms. Sutton work in 1998?

- (A) TS Corporation
- (B) Tiltsdale University
- (C) World Travel Tours
- (D) Ohio Technical University

(39) What is NOT true about Ms. Sutton?

- (A) She took an online course.
- (B) She has worked as an editor.
- (C) She is currently unemployed.
- (D) She taught at Norton High School.

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Questions 40 to 42 refer to the following announcement.

PulpMate Announces Changes to Plant

PulpMate, Inc., a paper and cardboard manufacturer, announced plans to upgrade its main production facility in Denver, and noted that the improvements will reduce its carbon dioxide emissions by 70% of current levels, use a third less energy, and will also more than double total production.

Mitch Cohen, spokesperson for PulpMate, said that the work would begin “sometime in the fourth quarter of this year,” and would take approximately 18 months to complete. The estimated cost is \$250 million.

“We’re investing in technology that’s more efficient all the way around. It uses less energy, pollutes less, and allows us to produce more. It’s well worth the costs. And while we think the improvements will give us a competitive edge – our production costs will be lower – we also hope that the rest of our industry follows suit,” said Cohen. “We think that our industry as a whole can do more to save energy and reduce pollution. We’re hoping that our competition will look to us as a model,” Cohen said.

(40) What is NOT claimed to be a benefit of Pulpmate’s action?

- (A) Decreasing prices
- (B) Lowering pollution
- (C) Reducing energy costs
- (D) Increasing production

(41) What does Mr. Cohen claim the company’s action will do?

- (A) Attract more customers
- (B) Improve his company’s image
- (C) Reduce the amount of paper it uses
- (D) Make his company more competitive

(42) What does Mr. Cohen imply about his company?

- (A) It is the most profitable one in the industry.
- (B) he wants other companies to do what he has done.
- (C) Its production costs are under \$250 million annually.
- (D) Its carbon dioxide emissions are the lowest in industry.

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Questions 43 to 46 refer to the following email.

From: Sun Hee Park <s_park@taynal.com>
To: David Michaels <d_michaels@taynal.com> Cc:
Harry Durbin <h_durbin@taynal.com> Date:
October 31st, 20__03:45:49 p.m.
Subject: Additional information needed

David,

I met with Harry this afternoon to discuss your idea. He likes it but needs some more specifics. Could you pull together some projections for costs, (including materials, staffing, equipment, and space), and an estimate of the lead time it would take to get up and running once a go-ahead is given? What do you see as potential factors limiting the number of orders we could handle? Harry expressed concern that sourcing raw materials could be an issue. What are your thoughts? Also, do you have a sense of how fast orders could be turned around?

Harry would like you to e-mail the details to him by Friday, if that's possible. Let me know if I can help you with this.

Keep up the good work!

Sun Hee

- (43) What has David been asked to do?
- (A) Present his idea to Harry
 - (B) Create a sample for approval
 - (C) Send a document to Sun Hee
 - (D) Provide details about his plan
- (44) What is said to be Harry's concern?
- (A) Finding time
 - (B) Increasing orders
 - (C) Getting supplies
 - (D) Buying equipment
- (45) What can be inferred about David's idea?
- (A) It will cost a lot of money
 - (B) It will speed up deliveries
 - (C) It requires hiring new staff
 - (D) It involves making a new production line
- (46) What can be inferred about Harry?
- (A) He is David and Sun Hee's boss.
 - (B) He had a similar idea to David's.
 - (C) He thinks David's idea will not work.
 - (D) He considers David a model employee.

THIS IS THE END OF THE TEST

Feuille de réponses : Les réponses aux questions sont à donner exclusivement sur cette feuille.	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 ☐

Question 13 : A ☐ B ☐ C ☐ D ☐

Question 14 : A ☐ B ☐ C ☐ D ☐

Question 15 : A ☐ B ☐ C ☐ D ☐

Question 16 : A ☐ B ☐ C ☐ D ☐

Question 17 : A ☐ B ☐ C ☐ D ☐

Question 18 : A ☐ B ☐ C ☐ D ☐

Question 19 : A ☐ B ☐ C ☐ D ☐

Question 20 : A ☐ B ☐ C ☐ D ☐

Question 21 : A ☐ B ☐ C ☐ D ☐

Question 22 : A ☐ B ☐ C ☐ D ☐

Question 23 : A ☐ B ☐ C ☐ D ☐

Question 24 : A ☐ B ☐ C ☐ D ☐

Question 25 : A ☐ B ☐ C ☐ D ☐

Question 26 : A ☐ B ☐ C ☐ D ☐

Question 27 : A ☐ B ☐ C ☐ D ☐

Question 28 : A ☐ B ☐ C ☐ D ☐

Question 29 : A ☐ B ☐ C ☐ D ☐

Question 30 : A ☐ B ☐ C ☐ D ☐

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Question 37 : A ☐ B ☐ C ☐ D ☐

Question 38 : A ☐ B ☐ C ☐ D ☐

Question 39 : A ☐ B ☐ C ☐ D ☐

Question 40 : A ☐ B ☐ C ☐ D ☐

Question 41 : A ☐ B ☐ C ☐ D ☐

Question 42 : A ☐ B ☐ C ☐ D ☐

Question 43 : A ☐ B ☐ C ☐ D ☐

Question 44 : A ☐ B ☐ C ☐ D ☐

Question 45 : A ☐ B ☐ C ☐ D ☐

Question 46 : A ☐ B ☐ C ☐ D ☐

Note:
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