

Họ tên sinh viên: _____ STT: _____ (trong danh sách lớp) Lớp : CD _____ Mã đề thi 1	Giám thị coi thi 1	Điểm
	Giám thị coi thi 2	

<input checked="" type="checkbox"/>	Chọn A	<input checked="" type="checkbox"/>	Bỏ A	<input checked="" type="checkbox"/>	Chọn lại A
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I. Phonetics: (4 pts)

- Which is pronounced differently from the others?
A. head B. meat C. heating D. reading
- Which is stressed differently from the others?
 A. marine B. machine C. install **D. civil**

II. Choose the best one: (36 pts)

- All of the means of transportation are products of _____ engineering.
 A. electrical B. electronic C. civil **D. mechanical**
- Which material is light, soft and conductive? ~ _____
 A. mild steel B. brass C. ABS **D. Aluminum**
- _____ is a material which remains rigid at high temperature.
 A. Epoxy B. Polyester C. Nylon **D. A & B are correct**
- Electronic engineering is concerned with the developing for _____.
 A. tools **B. computing** C. machines D. air-conditioning
- In a _____, the load is between the effort and the fulcrum.
 A. punch B. foot pump C. scissors **D. A & B are correct**
- What material is used for aircrafts, engine components? ~ _____.
 A. brass **B. aluminum** C. ABS D. urea formaldehyde
- Mechanisms provide ----- to press steel sheet into car body panels
A. the forces B. the load C. the weight D. the mass
- Mechanical engineers provide all the _____ we need in our life.
 A. service B. process C. production **D. products**
- The metal used for the conductors in printed circuit board is _____.
 A. aluminum **B. copper** C. mild steel D. iron
- A screw has _____ along its body so it can go into wood and stay there firmly.
 A. pointed end B. thread C. raised lines **D. B & C are correct**
- _____ is essential in brakes but it is a nuisance in an engine.
 A. Elasticity B. Gravity **C. Friction** D. Buoyancy
- Everything must be earthed to make sure that no one gets _____.
A. a shock B. a shoot C. a shot D. a knock
- A device which can produce a linear movement is a _____.
 A. cam B. crankshaft **C. paper trimmer** D. All are correct
- The pendulum of clock is an example of _____ movement.
 A. linear B. reciprocating **C. oscillating** D. rotary
- The _____ movement of a paper trimmer is used to cut the edge of the paper
A. linear B. rotary C. oscillating D. reciprocating
- Mr. Smith works in a power station. He is responsible for turbine _____.
 A. maintain **B. maintenance** C. design D. install

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D

19. _____ engineers are also involved in support services such as roads, rail track, harbours and bridges.

A. Civil **B. Mechanical** C. Electrical D. Electronic

20. The _____ in this machine is used for pressing things.

A. ram B. cutting device C. striking device **D. A & C are correct.**

III. Pick up an error in each sentence: (10 pts)

21. A cam converts the **oscillating** motion of the engine into the reciprocating motion.

A **B** **C** **D**

22. That machine has **less** details than the one in the corner of the workshop.

A **B** **C** **D**

23. Brass is **a plastic** which consists of copper and zinc.

A **B** **C** **D**

24. Mining and medical engineering belong partly to mechanical and **civil**.

A **B** **C** **D**

25. He is trying to list the main branches **mention** in the following texts.

A **B** **C** **D**

IV. Match the items in column A with the related ones in column B: (10 pts)

A **B** **A** **B**

- | | | | |
|------------------------|-------------------|--------------------------------------|-------------------|
| 26. d weight | a. devices | 31. e rotates | f. moving stairs |
| 27. c transport | b. kilograms | 32. i electrical installation | g. thermoplastics |
| 28. b mass | c. trains, planes | 33. a attachments | h. changes |
| 29. f escalator | d. newtons | 34. j brass | i. cables |
| 30. h converts | e. goes round | 35. g acrylic | j. alloy |

V. Fill in the blanks with correct words: (20 pts)

36. **COPPER**, which is used to make cables, is highly conductive.

37. Friction is essential in brakes **BUT** is a nuisance in an engine.

38. An **INSULATOR** is a material that does not allow heat or current to flow easily.

39. A _____ is a material that remains rigid at high temperature. **THERMOSETTING PLASTIC/ POLYESTER**

40. Mechanisms are important to us **BECAUSE** they allow us to travel.

VI. Rewrite the sentences without changing their meanings: (20 pts)

41. Mechanical and electrical engineers deal with body scanners.

Body scanners are **the concern of mechanical and electrical engineers.**

42. These electricians install electrical equipment every day.

Electrical equipment **is installed everyday by these electricians.**

43. This toolmaker makes more dies than that one.

That toolmaker does not **make as many dies as this one.**

44. Rudolf Diesel did not invent the diesel engine until 1982.

Not until **1982 did Rudolf Diesel invent the diesel engine.**

45. His car uses more petrol than mine (my car).

My car **does not use as much petrol as his car.**

Họ tên sinh viên: _____ STT: _____ (trong danh sách lớp) Lớp: CD _____ Mã đề thi 2	Giám thị coi thi 1	Điểm
	Giám thị coi thi 2	

<input checked="" type="checkbox"/>	Chọn A	<input checked="" type="checkbox"/>	Bỏ A	<input checked="" type="checkbox"/>	Chọn lại A
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I. Phonetics: (4 pts)

- Which is pronounced differently from the others?
 A. allow B. **know** C. now D. how
- Which is stressed differently from the others?
 A. action B. **activity** C. practicing D. actor

II. Choose the best one: (36 pts)

- _____ is a material which is used for the conductors in printed circuit boards.
 A. Aluminum B. Brass C. Zinc D. **Copper**
- _____ involve rotary movement.
 A. **Gears** B. Pendulums C. Pistons D. Paper trimmers
- The _____ of their piece of land is in the shape of a rectangular.
 A. **contour** B. line C. space D. surface
- _____ is a movement swinging backwards and forwards.
 A. linear B. reciprocating C. **oscillating** D. rotary
- All of the means of transportation are products of _____ engineering.
 A. electrical B. electronic C. civil D. **none is correct**
- Sandpaper, which can be used to smooth a surface, is _____.
 A. cutting substance B. **smoothing substance**
 C. covering substance D. B & C are correct.
- _____ plastics are material, which remain rigid at high temperature.
 A. Nylon & ABS B. Acrylic & Epoxy
 C. **Polyester & Epoxy** D. ABS & polyester
- He works in _____ from 8:00 am to 16:00 pm.
 A. ships B. shift C. **shifts** D. sheep
- _____ is involved the reciprocate movement.
 A. gear B. pendulum C. **piston** D. all are correct
- What material is used for making drills, files and saws? ~ _____
 A. mild steel B. brass C. **high carbon steel** D. none is correct
- Is _____ used for safety helmets?, Yes, it is.
 A. nylon B. plastic C. **ABS** D. acrylic
- Mr. Smith works in a power station. He is responsible for turbine _____.
 A. maintain B. **maintenance** C. main board D. main branch
- _____ is important in my job.
 A. safe B. unsafe C. safely D. **safety**
- He is an electrician. He often _____ the wiring system in the house.
 A. works in B. works for C. **works on** D. works with
- The property of Acrylic plastic is _____.
 A. ductile B. soft C. **clear** D. scratch resistant

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D

18. ____ is an alloy which is very corrosion-resistant; therefore it is suitable for water environment.
 A. Aluminum **B. Brass** C. Steel D. zinc
19. Mechanical engineering includes marine, automobile, aeronautical, heating and _____.
 A. lighting **B. ventilating** C. mining D. reciprocating
20. _____ is essential in brakes but it is a nuisance in an engine.
 A. Elasticity **B. Friction** C. Impact D. Strength

III. Pick up an error in each sentence: (10 pts)

21. Electrical engineering is about the generation of electricity and their application.
 A B C D
22. Of all the machines, this one works the better .
 A B C D
23. I design body scanners. They give doctors far less information than X-rays.
 A B C D
24. Communications and equipment are the concern of electrical engineers.
 A B C D
25. Brass is an alloy which consists of 65% copper, 35% aluminum.
 A B C D

IV. Match the items in column A with the related ones in column B: (10 pts)

- | A | B | A | B |
|--------------------------|----------------------|-------------------------|---------------------------|
| 26. <u>i</u> air force | a. safety helmets | 31. <u>e</u> rotates | f. machinery of all kinds |
| 27. <u>c</u> transport | b. kilograms | 32. <u>d</u> civil | g. thermoplastics |
| 28. <u>b</u> mass | c. trains, planes | 33. <u>f</u> mechanical | h. changes |
| 29. <u>a</u> ABS plastic | d. bridges and roads | 34. <u>j</u> medical | i. pilots and flights |
| 30. <u>h</u> converts | e. goes round | 35. <u>g</u> acrylic | j. life-saving products |

V. Fill in the blanks with correct words: (20 pts)

36. Acrylic, which is a clear thermoplastic, is used for safety helmets.
37. A conductor is a material that allows heat or current to flow easily.
38. Epoxy resin and urea formaldehyde are used for adhesives.
39. Aluminum is a light metal that is used to make aircraft.
40. Friction is sometimes helpful but it is often a hindrance.

VI. Rewrite the sentences without changing their meanings: (20 pts)

41. Civil engineering deals with roads and bridges.
 Roads and bridges are the concern of civil engineering.
42. These mechanics must clean their hand tools every day.
 Their hand tools must be cleaned everyday by these mechanics.
43. There are more machines in our workshop than that one.
 There are not as many machines in our workshop as this one.
44. Mechanical engineers are concerned with machines
 Mechanical engineers deal with machines.
45. My friend rarely showed his intelligence.
 Rarely did my friend show his intelligence.

Họ tên sinh viên: _____ STT: _____ (trong danh sách lớp) Lớp: _____ Mã đề thi 3	Giám thị coi thi 1	Điểm
	Giám thị coi thi 2	

<input checked="" type="checkbox"/>	Chọn A	<input checked="" type="checkbox"/>	Bỏ A	<input checked="" type="checkbox"/>	Chọn lại A
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I. Phonetics: (4 pts)

- Which is pronounced differently from the others?
 A. find B. light C. mining D. swing
- Which is stressed differently from the others?
 A. install B. penal C. between D. begin

II. Choose the best one: (36 pts)

- _____ is a material which is used for the conductors in printed circuit boards.
 A. aluminum B. brass C. zinc D. copper
- _____ involve rotary movement.
 A. gears B. pendulums C. pistons D. paper trimmers
- He hasn't got as _____ time as he used to.
 A. many B. a lot C. much D. fewer
- _____ is a movement swinging backwards and downwards.
 A. linear B. rotary C. oscillating D. reciprocating
- All of the means of transportation are products of _____ engineering.
 A. electrical B. electronic C. civil D. none is correct
- Sandpaper, which can be used to smooth a surface, is _____
 A. cutting substance B. smoothing substance
 C. covering substance D. B & C are correct
- _____ plastics are material, which remain rigid at high temperature.
 A. Nylon & ABS B. Acrylic & Epoxy
 C. Polyester & Epoxy D. ABS & polyester
- A device which can produce a linear movement is a _____.
 A. cam B. crankshaft C. paper trimmer D. All are correct
- What's this file made of? => It is made of _____.
 A. copper B. nylon C. mild steel D. high carbon steel
- What material is used for making drills, files and saws? ~ _____
 A. mild steel B. brass C. high carbon steel D. none is correct
- Is _____ used for aircraft canopies? => Yes, it is.
 A. nylon B. plastic C. ABS D. acrylic
- Mechanisms provide ----- to press steel sheet into car body panels
 A. the forces B. the load C. the weight D. the mass
- _____ is important in my job.
 A. safe B. unsafe C. safely D. safety
- He is an electrician. He often _____ the wiring system in the house.
 A. works in B. works for C. works on D. works with
- He is trying to find out how many of the branches _____ are mentioned.
 A. are listed B. list C. listed D. listing
- _____ is an alloy which is very corrosion-resistant; therefore it is suitable for water environment.
 A. Aluminum B. Brass C. Steel D. zinc

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D

19. Mechanical engineering includes marine, automobile, aeronautical, heating and _____.

- A. lighting **B. ventilating** C. mining D. reciprocating

20. _____ is essential in brakes but it is a nuisance in an engine.

- A. Elasticity **B. Friction** C. Impact D. Strength

III. Pick up an error in each sentence: (10 pts)

21. A cam converts the **oscillating motion** of the engine into the reciprocating motion.

- A B **C** D

22. That machine has **many** details than the one in the corner of the workshop.

- A **B** C D

23. Aluminum is a metal suitable for **salt-water environment**.

- A B C **D**

24. This machine must not **is used** after 5.30 p.m.

- A B **C** D

25. Engineers use ball bearings because rolling objects cause **more** friction than sliding ones.

- A B **C** D

IV. Match the items in column A with the related ones in column B: (10 pts)

A

B

A

B

26. **i** oscillate

a. safety helmets

31. **e** rotates

f. thermosetting plastics

27. **c** weight

b. kilograms

32. **d** civil

g. thermoplastics

28. **b** mass

c. newtons

33. **f** epoxy resin

h. changes

29. **a** ABS plastic

d. bridges and roads

34. **j** medical

i. swings backward and forward

30. **h** converts

e. goes round

35. **g** acrylic

j. life-saving products

V. Fill in the blanks with correct words: (20 pts)

36. Friction is sometimes helpful **but** it is often a hindrance.

37. A conductor is a material that **allows** heat or current to flow easily.

38. Aluminum is a light metal **which** is used to make aircraft, car components; for example

39. A worker who wires and installs electrical equipment is an **electrician**.

40. A **thermoplastic** is a material that becomes plastic when heated.

VI. Rewrite the sentences without changing their meanings: (20 pts)

41. Mechanical engineers deal with food processing.

Mechanical engineers are **concerned with food processing**.

42. They service these air-conditioners.

These air-conditioners **are serviced**.

43. I have more hand tools than you do

You **don't have as many hand tools as I do**.

44. My friend rarely showed his intelligence.

Rarely **did my friend show his intelligence**.

45. Medical experts deal with body scanners.

Body scanners **are the concern of medical experts**.

Họ tên sinh viên: _____ STT: _____ (trong danh sách lớp) Lớp: CD _____ Mã đề thi 4	Giám thị coi thi 1	Điểm
	Giám thị coi thi 2	

Chọn A
 Bỏ A
 Chọn lại A

I. Phonetics: (4 pts)

- Which is pronounced differently from the others?
 A. fact B. attach C. take D. match
- Which is stressed differently from the others?
 A. marine B. machine C. install D. civil

II. Choose the best one: (36 pts)

- All of the means of transportation are products of _____ engineering.
 A. electrical B. electronic C. civil D. none is correct
- Which material is light, soft and conductive? ~ _____
 A. mild steel B. brass C. ABS D. Aluminum
- What kind of steel can be hardened? ~ _____
 A. high carbon steel B. mild steel
 C. A & B are correct D. A & B are incorrect
- David has _____ time in physics than I do.
 A. less B. more C. fewer D. little
- Electronic engineering is concerned with the developing for _____.
 A. tools B. computing C. machines D. bridges
- In a _____, the load is between the effort and the fulcrum.
 A. punch B. foot pump
 C. pair of scissors D. A & B are correct
- What material is used for aircrafts, engine components? ~ _____.
 A. brass B. aluminum C. ABS D. mild steel
- Mechanisms provide ----- to press steel sheet into car body panels
 A. the forces B. the load C. the weight D. the mass
- Mechanical engineers provide all the _____ we need in our life.
 A. service B. process C. production D. products
- The metal used for the conductors in printed circuit board is _____.
 A. aluminum B. copper C. mild steel D. iron
- _____ engineering deals with electricity generating, and lighting.
 A. Electronic B. Electrical C. Civil D. Mechanical
- Everything must be earthed to make sure that no one gets _____.
 A. a shock B. a shoot C. a shot D. a knock
- A device which can produce a linear movement is a _____.
 A. cam B. crankshaft C. paper trimmer D. pendulum
- The pendulum of clock is an example of _____ movement.
 A. linear B. reciprocating C. oscillating D. rotary
- The _____ movement of a paper trimmer is used to cut the edge of the paper.
 A. linear B. rotary C. oscillating D. reciprocating
- _____ engineers are also involved in support services such as roads, rail track, and bridges....
 A. civil B. mechanical C. electrical D. electronic

1	A	B	C	D
2	A	B	C	D
3	A	B	C	D
4	A	B	C	D
5	A	B	C	D
6	A	B	C	D
7	A	B	C	D
8	A	B	C	D
9	A	B	C	D
10	A	B	C	D
11	A	B	C	D
12	A	B	C	D
13	A	B	C	D
14	A	B	C	D
15	A	B	C	D
16	A	B	C	D
17	A	B	C	D
18	A	B	C	D
19	A	B	C	D
20	A	B	C	D
21	A	B	C	D
22	A	B	C	D
23	A	B	C	D
24	A	B	C	D
25	A	B	C	D

19. Electrical engineers provide us with the services such as: _____.
- A. bridges and airports
B. lighting, harbors and air-conditioning
C. planes, communications equipment
D. lighting, air-conditioning, refrigeration and lifts
20. Sandpaper, which can be used to smooth a surface, is _____
- A. cutting substance
B. smoothing substance
C. covering substance
D. B & C are correct

III. Pick up an error in each sentence: (10 pts)

21. Communications and equipment are the concern of electrical engineers.
- A B C D
22. Mining and civil engineering belong partly to mechanical and partly to electrical.
- A B C D
23. I design X-rays. They give doctors far little information than body scanners.
- A B C D
24. Brass is an alloy which consists of 65% copper, 35% aluminum.
- A B C D
25. Engineers use ball bearings because rolling objects cause fewer friction than sliding ones.
- A B C D

IV. Match the items in column A with the ones in column B: (10 pts)

- | | | | |
|------------------------|-------------------|--------------------------------------|-------------------|
| 26. <u>d</u> weight | a. devices | 31. <u>e</u> rotates | f. moving stairs |
| 27. <u>c</u> transport | b. kilograms | 32. <u>i</u> electrical installation | g. thermoplastics |
| 28. <u>b</u> mass | c. trains, planes | 33. <u>a</u> attachments | h. changes |
| 29. <u>f</u> escalator | d. newtons | 34. <u>j</u> brass | i. cables |
| 30. <u>h</u> converts | e. goes round | 35. <u>g</u> acrylic | j. alloy |

V. Fill in the blanks with correct words: (20 pts)

36. Copper, which is used to make cables, is highly conductive.
37. ABS has a high strength of impact so it is used to make safety helmets.
38. An insulator is a material that does not allow heat or current to flow easily.
39. A _____ is a material that remains rigid at high temperature. thermosetting plastic
40. Mechanisms are important to us since they allow us to travel.

VI. Rewrite the sentences without changing their meanings: (20 pts)

41. Civil engineering deals with roads and bridges.
Roads and bridges are the concern of civil engineering.
42. Electronic engineers are concerned with communication and equipment.
Electronic engineers deal with communication and equipment.
43. The manager should sign these contracts today.
These contracts should be signed today by the manager.
44. This toolmaker makes fewer dies than that toolmaker.
That toolmaker does not make as many dies as this toolmaker.
45. It was not until I was 55 that I went abroad.
Not until I was 55 did I go abroad.