



**Benha University**

**Benha faculty of Engineering**

**Date: 28/6/2022**

**Time: 2 hours**

**Student name:.....**

**Preparatory year final exam**

**subject: Technical English**

**Total marks: 30**

**Student number:.....**

**(Model B)**

.....  
**- Choose the correct answer:-**

- 1- A mixture of two or more elements is .....  
a) Composite                      b) ore                      c) alloy                      d) matter
- 2- Jim is on holiday. He .....to Italy.  
a) Went                      b) gone                      c) been                      d) go
- 3- Tom..... a student for two years now.  
a) is                      b) was                      c) has been                      d) have been
- 4- The report is due work next week, but I.....yet.  
a) will finish                      b) didn't finish                      c) haven't finished                      d) don't finish
- 5- I'm sorry Paula, ..... For me long?  
a) Do you wait                      b) did you wait                      c) have you been waiting                      d) are you waiting
- 6- Egypt..... The African Nations Cup in 2008.  
a) Win                      b) won                      c) wins                      d) was wining
- 7- What..... Between 7 and 8 last Friday evening?  
a) Are you doing                      b) did you do                      c) were you doing                      d) have you done
- 8- Aluminium is a/an .....  
a) Compound                      b) element                      c) mixture                      d) composite
- 9- A liquid pumped onto a workpiece that is being machined, to stop it overheating is called a .....  
a) thermal inertia                      b) hot exchanger                      c) coolant                      d) superheated steam
- 10- ..... is energy from an atomic reaction.  
a) Light energy                      b) thermal energy                      c) nuclear energy                      d) chemical energy
- 11- .....is the amount of energy needed to do a task.  
a) Power                      b) work                      c) density                      d) acceleration
- 12- Why..... go out last Monday?



- 31- Stainless steel is an alloy steel A ) true B) false
- 32- The greatest thickness of each tower is its internal thickness at its base A)true B) false
- 33- Steel is an alloy of iron and carbon A) true B) false
- 34- High-speed steel is suitable for making cutting tools that get very hot A)true B) false
- 35- The highest point of the structure is the top extremity of the highest tower A) true B) false
- 36- Alloy steel contains carbon A) true B) false
- 37- The tops of the towers are at different levels, so a horizontal plane striking the top of one tower will not strike the tops of all the others A) true B) false
- 38- Tungsten is added to steel to make it softer A)true B) false
- 39- Low alloy steels contain more chromium than iron A) true B) false

**-Match the two parts :-**

40- Engineered wood

41- Soft wood

42- Solid wood

a)comes only from coniferous trees

b)specifically describes single pieces of timber, not multiple pieces that have been bonded together.

c)is always made from multiple pieces or particles of wood.

**-Complete the sentences from the words below:-**

( a) work b) draft c)comment d) current e) working )

43- Has the drawing been revised, or is this the first.....?

44- This has been superseded. It's not the..... drawing.

45- Has this drawing been signed off? Can they ..... to it in the factory?

46- I still need to ..... on the latest set of the drawings.

47- Construction can't start until the first ..... drawings have been issued.

**-Match the following sentences with its opposite meanings:-**

- |   |                        |
|---|------------------------|
| 48- a description of design objectives                | A) concept             |
| 49- a rough, hand-drawn illustration                  | B) design brief        |
| 50- an initial diagram, requiring further development | C) sketches            |
| 51- an overall design idea                            | D) preliminary drawing |

**-Complete the paragraph from the words below:-**

- ( a) stress graded      b) soft wood      c) ply wood      d) glue- laminated)

From an environmental perspective, wood has many advantages. Firstly, it comes from a sustainable source. Coniferous trees grow relatively fast, providing a rapidly replaceable source of (52)..... secondly, almost all the timber in a tree can be utilized , leaving little or no waste. The best quality wood can be used for structural applications, where solid, (53)..... sections are required by engineers; for high strength elements such as (54)..... Beams; and in the high-quality plies used to make (55).....

**Complete the sentences from the words below:-**

- ( a) visually stress-graded      b) rough sawn      c) mechanically stress-graded  
d)planned      e) stress grade )

- 56- wood has a smooth finish after it has been .....
- 57-wood cut with a circular saw is called..... timber.
- 58- after timber is tested for strengths and weakness, it is given a .....
- 59-when timber is inspected by a person who looks for weakness, it is .....
- 60- when timber is inspected by a machine which tests its strength, it is.....

**Good Luck**

## Model Answers

1-c

2-a

3-c

4-c

5-c

6-b

7-c

8-b

9-c

10-c

11-b

12-d

13-b

14-c

15-d

16-c

17-a

18-c

19-c

20-c

21-b

22-b

23-d

**24-a**

**25-c**

**26-e**

**27-b**

**28-b**

**29-b**

**30-b**

**31-a**

**32-b**

**33-a**

**34-a**

**35-a**

**36-a**

**37-a**

**38-b**

**39-b**

**40-c**

**41-a**

**42-b**

**43-b**

**44-d**

**45-a**

**46-c**

**47-e**

**48-b**

**49-c**

**50-d**

**51-a**

**52-b**

**53-a**

**54-d**

**55-c**

**56- d**

**57-b**

**58-e**

**59-a**

**60-c**