



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 c)

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

- | | |
|--|------------------------|
| 1- a description of design objectives | A) concept |
| 2- a rough, hand-drawn illustration | B) design brief |
| 3- an initial diagram, requiring further development | C) sketches |
| 4- an overall design idea | D) preliminary drawing |

- Choose the correct answer:-

- 5- A mixture of two or more elements is
- | | | | |
|--------------|--------|----------|-----------|
| a) Composite | b) ore | c) alloy | d) matter |
|--------------|--------|----------|-----------|
- 6- Jim is on holiday. Heto Italy.
- | | | | |
|---------|---------|---------|-------|
| a) Went | b) gone | c) been | d) go |
|---------|---------|---------|-------|
- 7- Tom..... a student for two years now.
- | | | | |
|-------|--------|-------------|--------------|
| a) is | b) was | c) has been | d) have been |
|-------|--------|-------------|--------------|
- 8- 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 |
|----------------|------------------|---------------------|-----------------|
- 9- I'm sorry Paula, For me long?
- | | | | |
|----------------|-----------------|--------------------------|--------------------|
| a) Do you wait | b) did you wait | c) have you been waiting | d) are you waiting |
|----------------|-----------------|--------------------------|--------------------|
- 10- Egypt..... The African Nations Cup in 2008.
- | | | | |
|--------|--------|---------|---------------|
| a) Win | b) won | c) wins | d) was wining |
|--------|--------|---------|---------------|
- 11- What..... Between 7 and 8 last Friday evening?
- | | | | |
|------------------|---------------|-------------------|------------------|
| a) Are you doing | b) did you do | c) were you doing | d) have you done |
|------------------|---------------|-------------------|------------------|
- 12- Aluminium is a/an
- | | | | |
|-------------|------------|------------|--------------|
| a) Compound | b) element | c) mixture | d) composite |
|-------------|------------|------------|--------------|

- 13- 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
- 14- is energy from an atomic reaction.
- a) Light energy b) thermal energy c) nuclear energy d) chemical energy
- 15-is the amount of energy needed to do a task.
- a) Power b) work c) density d) acceleration
- 16- Why..... go out last Monday?
- a) Does she b) was she c) has she d) did she
- 17- You're out of breath. Have you.....?
- a)run b)been running c) ran d)running
- 18- The soil and rocks on the surface of the earth remain warm at night in summer, due to the principle of
- a)radiation b) coolant c) thermal inertia d)heat skin
- 19- The washing machine before it was used.
- a) Checked b) has checked c) is checking d) was checked
- 20- Yesterday afternoon, AliTV.
- a) Watches b) watching c) was watching d) watch
- 21- Saffron Waldena lot in the last five hundred years.
- a) Has grown b) grew c)is growing d) grows
- 22- The blacks in Saffron Walden for thirty years and they still like it.
- a) Lived b)live c)have been living d) has lived
- 23- In gas form, water is called.....
- a) Vapor water b) evaporation c) water vapor d) degrees Celsius
- 24- Tom has out. He'll be back in about an hour.
- a) been b) went c) gone d) go
- 25- I wonder why Sue so serious these days. She isn't really like that.
- a) Is b) is being c) was d) was being
- 26- ' are you going to the bank? ' no , I've already to the bank.
- a) went b) been c) gone d) going

Decide whether the following statements are true or false , if true choose A , if false choose B:-

- 27- The height of the towers is measured horizontally A) true B) false
- 28- Mild steel is a high carbon steel A) true B) false
- 29- The overall span is measured along the width of the bridge A) true B) false
- 30- Stainless steel is an alloy steel A) true B) false

- 31- The greatest thickness of each tower is its internal thickness at its base A)true B) false
- 32- Steel is an alloy of iron and carbon A) true B) false
- 33- High-speed steel is suitable for making cutting tools that get very hot A)true B) false
- 34- The highest point of the structure is the top extremity of the highest tower A) true B)false
- 35- Alloy steel contains carbon A) true B) false
- 36- 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
- 37- Tungsten is added to steel to make it softer A)true B) false
- 38- Low alloy steels contain more chromium than iron A) true B) false

-Complete the paragraph using the words in brackets:-

- (a) amendments b) revision c) issued d) notes e) draft)

There seems to be a problem with dwg 1120, which you (39)yesterday. The drawing is marked as (40) c, but there are no (41)..... in the right-hand column detailing the (42) made, and on the actual drawing, there are no visible differences from the first (43).....

Match the two parts :-

- 44- Engineered wood
45- Soft wood
46- 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 paragraph using the words in brackets:-

- (a) rusts b) stainless c) grade d) steel e) corrosion)

The perennial problem with mild (47)is that it (48)when exposed to air and water. Generally, the only solution is either to apply a protective coating, or to use another (49).....of steel that is resistant to the (50) Process- the most well-known being (51).....steel.

-Complete the sentences from the words below:-

(a) visually stress-graded
d)planned

b) rough sawn
e) stress grade)

c) mechanically stress-graded

52- Wood has a smooth finish after it has been

53-Wood cut with a circular saw is called..... timber.

54- After timber is tested for strengths and weakness, it is given a

55-When timber is inspected by a person who looks for weakness, it is

56- When timber is inspected by a machine which tests its strength, it is.....

-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 (57)..... 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, (58)..... sections are required by engineers; for high strength elements such as (59)..... Beams; and in the high-quality plies used to make (60).....

Best wishes

Model Answers

1-b

2-c

3-d

4-a

5-c

6-a

7-c

8-c

9-c

10-b

11-c

12-b

13-c

14-c

15-b

16-d

17-b

18-c

19-d

20-c

21-a

22-c

23-c

24-c

25-b

26-b

27-b

28-b

29-b

30-a

31-b

32-a

33-a

34-a

35-a

36-a

37-b

38-a

39-c

40-b

41-d

42-a

43-e

44-c

45-a

46-b

47-d

48-a

49-c

50-e

51-b

52-d

53-b

54-e

55-a

56-c

57-b

58-a

59-d

60-c