Name:		
Matrikalnummarı		

points of 60 points

Fachhochschule Südwestfalen – Technische Betriebswirtschaft Klausur Technisches Englisch Wintersemester 2021/2022

Bitte drucken Sie die Antwortblätter auf den Seiten 2 bis 5 aus und tragen Sie Ihre Antworten dort ein! Vergessen Sie nicht, Ihren Namen und Ihre Matrikelnummer anzugeben, da Ihre Klausur andernfalls nicht gewertet werden kann!

Scannen Sie die ausgefüllten Antwortbögen im Anschluss an die Prüfung ein und speichern Sie sie als PDF-Dokument.

LADEN SIE NUR DAS PDF-DOKUMENT MIT IHREN ANTWORTBÖGEN HOCH (NICHT DIE GESAMTE KLAUSUR!)

Matrikelnummer:	Unterschrift:	
Technisches Englisch, Wintersemester 202	21/2022	
Antwortblatt 1		
Übertragen Sie Ihre Lösungen auf diese An	ntwortblätter:	
Task I	Task III	
	7	
1.		-
2	8.	
3	9.	-
Task II	10.	-
4	11.	-
5	12.	_
6.	13.	_
	14.	-
	15	=
	16.	-
	17.	-
	18	-
	19.	-
	20.	-
	21.	=

22.

Name:

a b c d e f f							
(Write down the word and encircle the syllable with the primary b c d e f b c d e f b c d e f b c d e f c d e f	elnum	mer:				Unterscl	nrift:
(Write down the word and encircle the syllable with the primary							
an bo co do eo fo an bo co do eo fo	ortb	iatt 2	(Fort	setzu	ng vo	n Antwortblatt 1)	
an bo co do eo fo an bo co do eo fo							
an bo co do eo fo an bo co do eo fo	∕ (Wri	te dow	n the w	ord an	d encir	le the syllable with the	primary
an bo co do eo fo an bo co do eo fo							
an bo co do eo fo an bo co do eo fo							
a							
ac bc cc dc ec fc							
ac bc cc dc ec fc							
ao bo co do eo fo	а□	b □	С□	d□	е□	f□	
	а□	b□	C 🗆	d□	е□	f□	
	а □	b □	c □	d□	e □	f□	
d							
	l d						

Name:	
Matrikelnummer:	Unterschrift:
Technisches Englisch, Wintersemester 2021/2022	

Antwortblatt 3 (Fortsetzung von Antwortblatt 2)

Task VI b 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51.

Name:									
Matrik	elnumr	ner:					Unterschr	ift:	
Techni	sches E	nglisch,	Winter	semester 2	021/2022				
		_		<mark>setzung</mark>		twortb	<mark>latt 3)</mark>		
Task V	11								
52.	а□	b □	c □	d□					
53.	а□	b □	С□	d□					
54.	а□	b 🗆	С□	d□					
Task V	111								
55.									
56.									
57.									
Task I)	<								
58.					_				
59.					_				

60.

<i>I</i> .	Insert words that indicate the opposite of the underlined words: [3 points]
1.	a <u>flexible</u> piece of cable - a/an steel rail
2.	Unworked stainless steel plates appear rather, but when they are
	polished, they are <u>lustrous</u> and thus reflect light.
3.	When iron is heated, it <u>melts</u> When it cools down, it
II.	Fill in the gaps below with the correct word, changing the form (i.e. singular/plural, tense etc.) when necessary. (3 points)
4.	Infrared cameras can be used to scan walls, floors and ceilings of buildings in order to
	detect defects in (isolation / insulation) and air sealing.
5.	Most vaccines against viral diseases are (made of / made from) viruses grown in chicken eggs.
6.	The pressure in the vessel (raise / rise) dramatically since we checked it this morning.

III. Fill the gaps in the following text using the correct form of the word in brackets: [16 points]

One of the major ways to solve	performance bottler	necks is to find a	better algorithm.
In our (increase) [7]	data-rich soci	eties,	
(efficiently) [8]	_ search of vast data	abases is becomin	ng
(increase) [9]	(importance) [10]		_ as well as
(increase) [11]	(difficulty) [12]		
Not only do we need to search data	a for (exact) [13]		matches, but we
also need to do so for (partial) [14]		matches, for cor	mbinations of
substrings, and for matches with -	(possibility) [15]		large - gaps
between one part and another.			
We also have to cope with a (vary) [16]	of different	'alphabets'. For
example, the (explosion) [17]	(gro	wth) [18]	of
work in genetics and in proteins m	eans that we have da	atabases with mor	re restricted
alphabets but with (substance) [19]		_ amounts of data	to search. In
many areas of algorithmic research	n, (improve) [20]		have been
(relative) [21]	(slow) [22]	and r	normally only by
small amounts.			

IV. This task is about pronunciation. Encircle the syllable that is stressed in the following words: [3 points]

23. determine de - ter - mine

24. circumference cir - cum - fe - rence

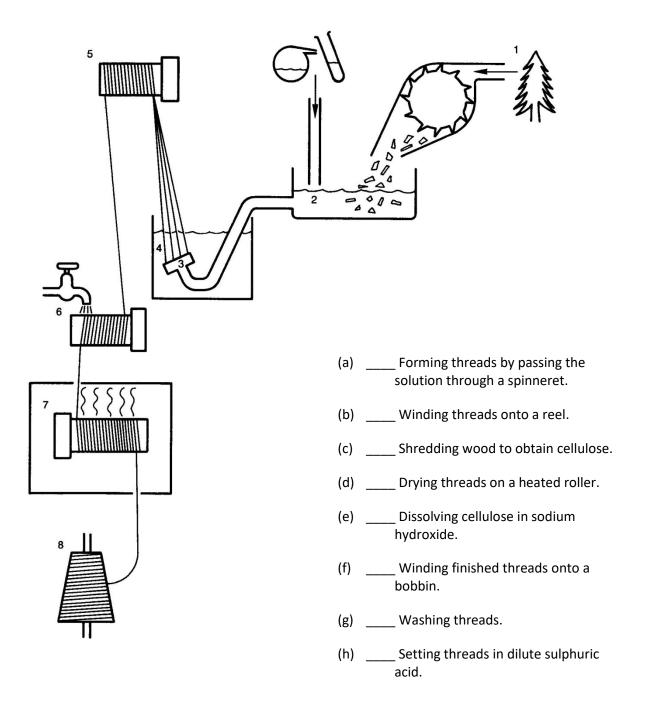
25. The customer purchases huge pur – chas – es amounts of steel every year.

V. Tick the correct answers. Note that multiple options may be correct! [3 points]

- 26. Which of the following terms can be used to describe the cavity into which molten metal is forced **by means of pressure**?
 - a. mould
 - b. form
 - c. die
 - d. shape
 - e. ladle
 - f. vessel
- 27. A chemical substance that combines atoms of two or more chemical elements, i.e. a molecule, is called ...
 - a. a solution
 - b. a combination
 - c. a link
 - d. a compound
 - e. a connection
 - f. a mixture
- 28. Which of the following words denote(s) a non-ferrous alloy?
 - a. stainless steel
 - b. lead
 - c. brass
 - d. potassium
 - e. bronze
 - f. copper

VI. Combined task:

VI (a): The following diagram illustrates the production process of rayon fibres. (Rayon is a synthetic material, similar to nylon). Match the labels to the numbers in the diagram by writing the numbers 1 - 8 next to the letters a - h of the steps below. It may be helpful to refer to the descriptive text on the next page! [8 points]



VI (b) Fill the gaps in the following text using the correct form of the verbs, i.e. correct tense, correct mode (active/passive). It may be helpful for you to refer to the diagram on the previous page. [15 points]

Synthetic Materials

Man-made fibres (be) [37]	with us since 1995 when Courtaulds,
a <u>former (!)</u> UK based manufacturer of ch	emicals), first (produce) [38]
rayon. Other materials that (develop) [39]_	by
competitors before were of little practical	use.
This is how rayon (produce) [40]	by Courtaulds: In the first
step, cellulose (dissolve) [41]	in a solution of sodium hydroxide,
which (also know) [42]	as caustic soda. The cellulose
(obtain) [43]	from shredded wood pulp. The dissolved cellulose
(form) [44] ir	nto threads by forcing it through a spinneret (a metal
plate with holes in it) in a setting bath of d	ilute sulphuric acid. After the threads
(draw) [45]	from the setting bath,
they (wind) [46]	on a reel, on which
they (wash) [47]	, before they
(dry) [48]	on a heated roller. Finally the rayon fibres
(collect) [49] c	on a bobbin.
Rayon was not a truly synthetic fibre, but a	a reconstituted natural fibre – cellulose. Today's
synthetic fibres such as polyvinyl chloride	(PVC) and nylon
(make) [50]	by changing the molecular structure of coal or
oil. The molecules join together end to end	during a chemical reaction to form a long
molecule called a polymer. Nylon (invent)	[51] in 1934.

	the	word g	nswers may be correct. If you think that the underlined part of given does not match with any of the underlined parts of the ds, tick, No match: [3 points]
52.	m <u>a</u> le	e	
	(a) (b) (c) (d)		h <u>eig</u> ht l <u>a</u> the g <u>au</u> ge No match
53.	<u>iron</u>	(in Brit	ish English)
	(a) (b) (c) (d)		l <u>ion</u> <u>iron</u> y <u>ion</u> No match
54.	He t	apped h	is foot to the beat (=rhythm) of the music.
	(a) (b)		Lead is a soft metal that is used in building construction, e.g. in the external coverings of roofing joints. How do you manage to work in this heat without air conditioning?
	(c) (d)		I have asked John to lead the discussion about new products. No match

VII. One more task about pronunciation. Tick the words in which the

pronunciation of the <u>underlined part</u> is the same as the pronunciation of the <u>underlined part</u> of the word given (e.g. 'male' in task 1). Note that

VIII.	Below you will find four pairs of sentences labelled (A) and (B), where sentence (B) is supposed to provide a translation, explanation or logical conclusion of sentence (A). Each of the sentences (B) contains one or two mistakes. Mark the mistakes and correct them appropriately. (You don't need to rewrite the entire sentence.) [3 points (1 point for each fully corrected sentence (B)]
55.	(A) "Die aktuelle Analyse liefert eine wichtige Information für die Optimierung des Produktionsprozesses."
-	(B) "The current analyses provides an important information for the optimization of the manufacturing process."
56.	(A) "Flash memory devices have the disadvantage that their memory cells eventually wear out."
_	(B) This means that the cells of flash memory devices may stop working after a certain number of read/write cycles.
57.	(A) "In 2015 the company's profit was EUR 100,000 euros. Last year the company's profit amounted to EUR 100,300."
-	(B) Thus the company's profit has raised by 0,3 % last year.
IX.	Complete the missing words. [3 points]
58.	By turning a nut clockwise, you <u>t</u> it.
59.	You need a $\underline{s} \underline{o}_{}$ if you want to mix substances that cannot usually be mixed because of their chemical properties.
60.	Electronic components can be very <u>se</u> to electromagnetic radiation.