



Preparation Book for the

# TestAS

## *Core Test*

SIXTH EDITION

2017

- ✓ Improve your performance with more than 290 practice questions
- ✓ Master the test with feedback from experts and successful test takers
- ✓ Practice with dozens of tough questions



BAUSCHMID

TestAS, die Gesellschaft für Akademische Studienvorbereitung und Testentwicklung e.V., and ITB Consulting GmbH do not endorse, nor are affiliated with this

## FOREWORD

The surest way to a fulfilling and exciting career is to begin your journey with an equally fulfilling and exciting but rigorous education. I began my studies in business at the Ludwig-Maximilians Universität in Munich and the Universität Augsburg and complemented this experience with internships. By combining strong academics with rich professional experiences, I was able to realize my dream of working in the United States and gaining a global perspective on the world economy.

Now with our Munich-based company [edulink](#), we provide college admission counselling over the internet to young men and women who are looking for exceptional educational experiences in Germany. Let's face it. Navigating the university application process can be complicated, especially for students who are not familiar with German universities. Our company makes this process easier for you by providing you with professional advice and strategies for preparing a successful university application.

Due to the highly competitive nature of German-language universities, one of the stumbling blocks for many students is the TestAS exam, an aptitude test for university applicants from non-European countries. The TestAS is one of the criteria used to determine a student's readiness for university level courses in Germany. We created the preparation books to help students take these exams with confidence.

Our goal in writing these books was to give you a complete overview of and a feel for the TestAS exam. These study guides were developed after detailed research with a team who has taken the exams. We have also interviewed dozens of prior test takers to identify the areas where students need the most help. We hope that our preparation books will help you approach the TestAS exam with confidence.

An advanced degree from a German university will pave the way for new opportunities and exciting career paths. I sincerely hope that our test preparation books will help many eager students find fulfilling educational opportunities in Germany.

All the best,

Peter

**Peter Bauschmid, Özveri Bauschmid**

All rights reserved

Edition 6      April 2017

**Copyright © 2017, edulink GmbH  
Munich, Germany**

This work and all its parts are subject to copyright. Any unauthorized use outside the narrow limits laid down by copyright law is unlawful and liable for prosecution. This applies in particular to reproductions, translations, and microfilming, as well as storing and processing by electronic means.

# CONTENTS

Foreword .....	2
1 About TestAS.....	7
1.1 Who should take the TestAS? .....	7
1.2 Which universities accept TestAS results? .....	7
1.3 What are the different sections of the test? .....	13
1.3.1 Solving quantitative problems.....	14
1.3.2 Inferring relations.....	15
1.3.3 Completing patterns .....	15
1.3.4 Continuing numerical series .....	16
1.4 In which language should I take the exam?.....	17
1.5 Which subject-specific module should I choose? .....	17
1.6 How is the exam graded? .....	19
1.7 How do I interpret the certificate with my final grade? .....	20
2 How do I best prepare for the TestAS? .....	24
2.1 How do I register for the TestAS?.....	24
2.2 When and where can I take the TestAS? .....	24
2.3 What do I need to bring on the day of the test? .....	25
2.4 How does the test proceed? .....	26
2.5 How should I fill out the answer sheet? .....	27
2.6 Can I use any aids during the test? .....	28
2.7 What can I memorise in preparation for the exam? .....	28
2.8 Suggestions for the day of the test .....	30
3 Solving Quantitative Problems.....	32
3.1 The questions may be easy to solve, but the grading is tough.....	32
3.2 List of question types .....	32
3.3 Practice exams .....	33
3.3.1 Exam 1 .....	34
3.3.2 Exam 2 .....	44
3.3.3 Exam 3 .....	54
3.4 Answer key .....	63
3.5 Detailed answers .....	64
3.5.1 Exam 1 .....	64
3.5.2 Exam 2 .....	80
3.5.3 Exam 3 .....	98
4 Inferring Relationships .....	113
4.1 Introduction .....	113

4.2	Pay attention to time management .....	114
4.3	Types of logical connections.....	114
4.4	Practice exams .....	120
4.4.1	Exam 1 .....	120
4.4.2	Exam 2 .....	128
4.4.3	Exam 3 .....	136
4.5	Answer key .....	144
4.6	Detailed answers .....	145
4.6.1	Exam 1 .....	145
4.6.2	Exam 2 .....	156
4.6.3	Exam 3 .....	167
5	Completing Patterns .....	178
5.1	Introduction .....	178
5.2	How to go about solving the questions .....	179
5.3	Frequently encountered rules .....	180
5.4	Most students run out of time .....	187
5.5	Suggested approach to solve the difficult questions.....	187
5.6	Section summary .....	189
5.7	Practice exams .....	190
5.7.1	Exam 1 .....	190
5.7.2	Exam 2 .....	198
5.7.3	Exam 3 .....	206
5.8	Answer key .....	214
5.9	Detailed answers .....	215
5.9.1	Exam 1 .....	216
5.9.2	Exam 2 .....	238
5.9.3	Exam 3 .....	260
6	Continuing Numerical Series .....	282
6.1	Introduction .....	282
6.2	Overview of the rule types .....	282
6.3	Approach for solving these questions .....	286
6.3.1	Alternative approach.....	288
6.4	Filling out the answer sheet.....	291
6.5	Practice exams .....	293
6.5.1	Exam 1 .....	293
6.5.2	Exam 2 .....	299
6.5.3	Exam 3 .....	305
6.6	Answer key .....	311

Please note that the number of participating test centres may increase, depending on demand, as the test registration period progresses. For instance, initially in Turkey there were no test centres available for the April 2015 test. But over time, one city was added. As a second example, at the beginning of May 2015, the TestAS team announced that a one-off TestAS would be offered on May 31<sup>st</sup> at the Universität zu Köln.

If you do not find a suitable date or location, please check the TestAS website and/or contact the TestAS team.

### 2.3 WHAT DO I NEED TO BRING ON THE DAY OF THE TEST?

- A valid photo ID (This should be the same form of identification that was used to register online)
- A copy of the registration email you received from the test centre
- A few ball-point pens with blue or black ink
- Registration information (username and password) from testas.de.

It is also highly recommended that you bring drinks and a snack. The test can last over 4 hours, so you will want to maintain your energy during the test.

The test centre will provide paper for taking notes.

Finally you may want to consider bringing a simple stopwatch to help you manage your time spent on the questions. (You will not be permitted to use your mobile phone for this.)

**IMPORTANT TIP! CONSIDER USING THE LAST 5 MINUTES OF EACH SUBTEST FOR INTELLIGENT GUESSING OF THE UNSOLVED QUESTIONS. A STOPWATCH CAN HELP YOU PAY ATTENTION TO THE LAST 5 MINUTES.-**

**1.6.**

The cinema is open 8 hours every day. It sells 30 tickets every hour Monday through Friday, and 20% of those sales are student tickets. It sells 100 tickets every hour on the weekends, and 30% of those sales are student tickets. If the regular charge for a ticket is 12 Euros Monday through Friday and 15 Euros on the weekends, and student tickets are 10 Euros every day, how many Euros does the cinema make every week?

- (A) 13,920
- (B) 23,200
- (C) 25,200
- (D) 35,520

**1.7.**

Dan is writing a short story for his English class. He writes 30 sentences in the morning before work and 50 sentences every night before bed. He knows he only needs to write 300 more sentences to complete his assignment. If he begins writing Friday morning and writes every day, morning and night, when will he complete his assignment?

- (A) Sunday night
- (B) Saturday morning
- (C) Monday morning
- (D) Monday night

**1.8.**

Maria lives in the U.S. and travels to Germany with 12,100 US dollars (USD) to finance her trip. She spends 50% of her money for her hotel, and her airline tickets cost 30%

## 4.4 PRACTICE EXAMS

You have 10 minutes to solve the 22 questions.

### 4.4.1 EXAM 1

#### 1.1.

tall : small = \_\_\_\_\_ : \_\_\_\_\_

- (A) thirsty – hungry
- (B) happy – sad
- (C) summery – warm
- (D) exhausted – feeble

#### 1.2.

letter : \_\_\_\_\_ = chapter : \_\_\_\_\_

- (A) word – book
- (B) story – book
- (C) newspaper – paper
- (D) vocabulary – question

#### 1.3.

\_\_\_\_\_ : \_\_\_\_\_ = clock : time

- (A) hour – latitude
- (B) thermometer – temperature
- (C) weather – climate
- (D) tide – moon



**3.19.**

\_\_\_\_\_ : \_\_\_\_\_ = to laugh : to cry

- (A) bright – dull
- (B) triumph – anger
- (C) fog – sun
- (D) jokey – serious

**Answer: D**

*Opposite*

*To laugh is the opposite of to cry, and jokey is the opposite of serious.*

**3.20.**

\_\_\_\_\_ : pot = \_\_\_\_\_ : money box

- (A) to eat – to save
- (B) soup – money
- (C) kitchen – bank
- (D) cook – insert

**Answer: B**

*Analogy*

*You make soup in a pot, and you save money in a money box.*

**2.11.**

-170      -155      -138      -119      -98      -75      ?

**Answer: -50**

The rule for this numerical series:    +15    +17    +19    +21    +23    +25

**2.12.**

2            5            10          8            12          24          21          ?

**Answer: 26**

The rule for this numerical series:    +3      ×2      -2      +4      ×2      -3      +5

**2.13.**

-14      -3      -30      9      -46      81      ?

**Answer: -62**

The rule for this numerical series:    -16    X<sup>2</sup>    -16    X<sup>2</sup>    -16

The relationship is between the 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> numbers and between 2<sup>nd</sup>, 4<sup>th</sup> and the 6<sup>th</sup> numbers.

**2.14.**

4            5            6            8            10          13          ?

**Answer: 16**

The rule for this numerical series:    +1      +1      +2      +2      +3      +3