

# SABA

## Bowhunter Proficiency Certificate (BProC)

### Theoretical test

*This is an "open book" test. Discussions of the answers during the test is not prohibited, but each hunter is encouraged to make their own decisions.*

Your Name and Surname: \_\_\_\_\_

Your ID number: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone/Cell: \_\_\_\_\_

E-Mail: \_\_\_\_\_

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### Part A:

#### Assessing Species Knowledge

**Q1: Please indicate shot placement on targeted animal:**



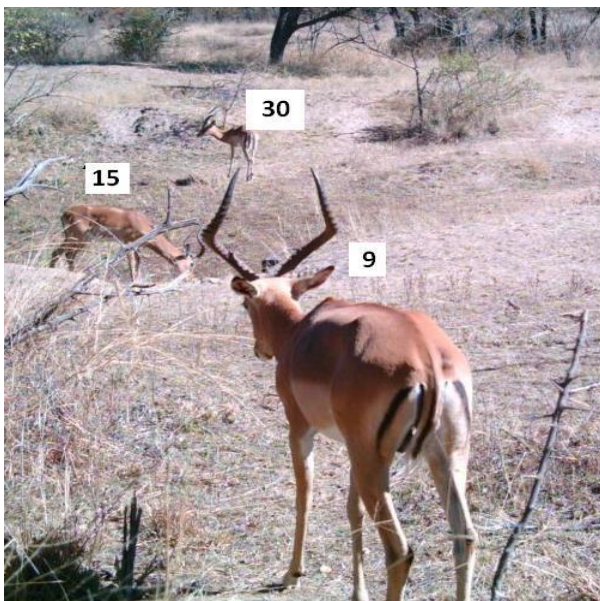
- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q2: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=10°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q3: Please indicate shot placement on targeted animal:**



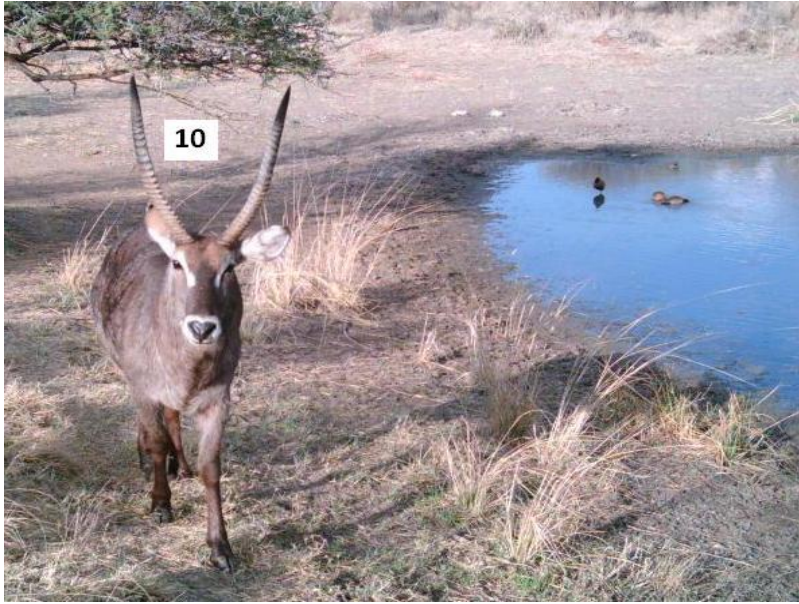
- a) Species \_\_\_\_\_
  - b) Sighting distance \_\_\_\_\_ (angle=5°)
  - c) Alertness: calm / cautious / nervous
  - d) Gender: Male / Female / Can't say
  - e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q4: Please indicate shot placement on targeted animal:**



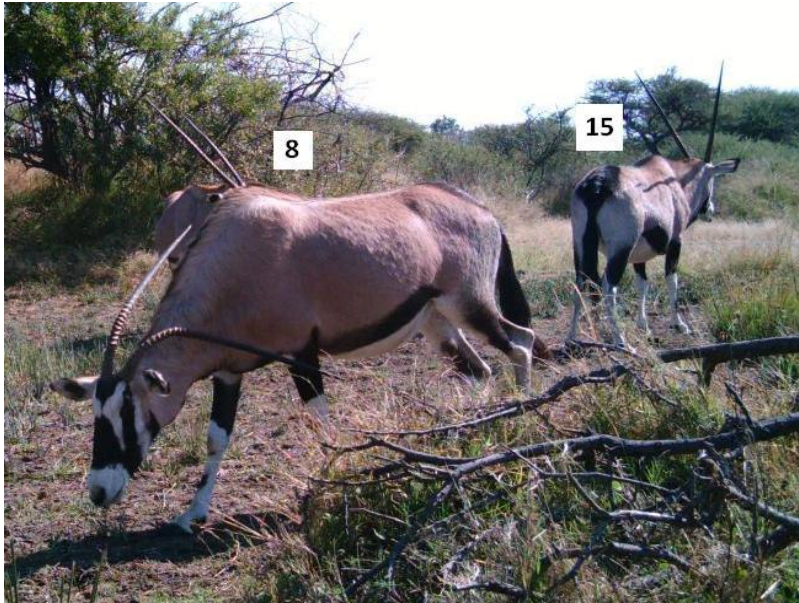
- a) Species \_\_\_\_\_
  - b) Sighting distance \_\_\_\_\_ (angle=5°)
  - c) Alertness: calm / cautious / nervous
  - d) Gender: Male / Female / Can't say
  - e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q5: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=15°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q6: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q7: Please indicate shot placement on targeted animal:**



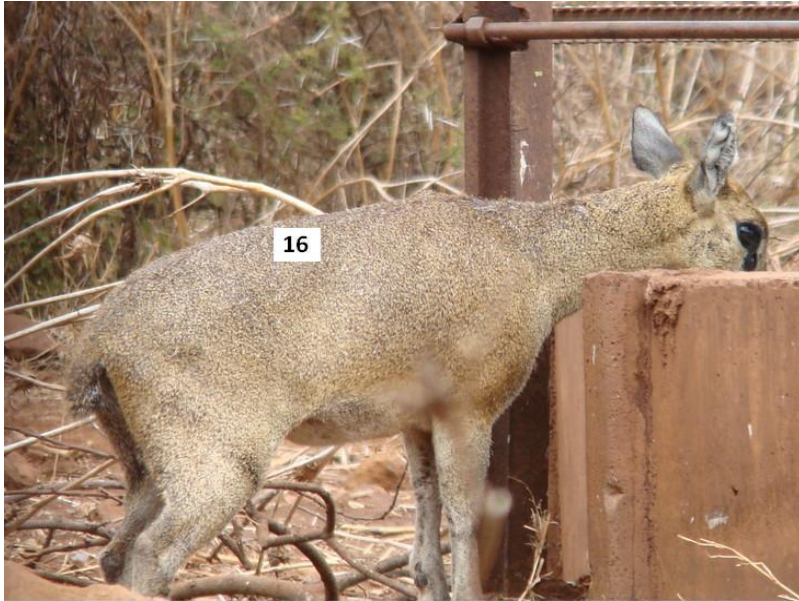
- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=10°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q8: Please indicate shot placement on targeted animal:**



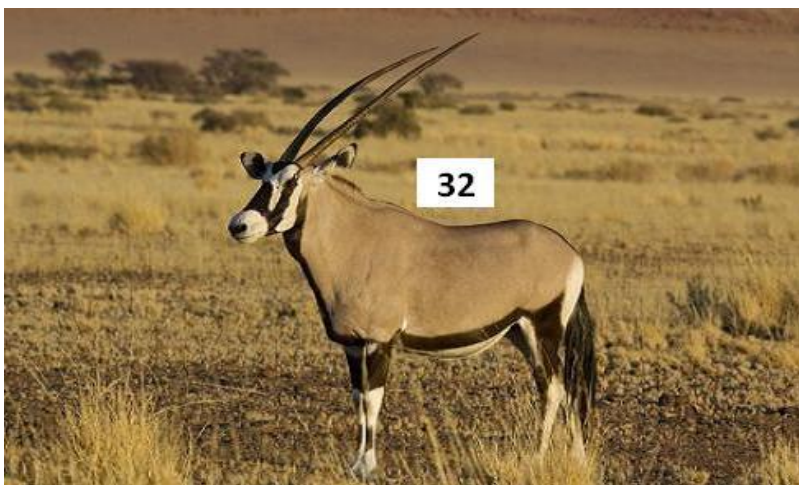
- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q9: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q10: Please indicate shot placement on targeted animal:**

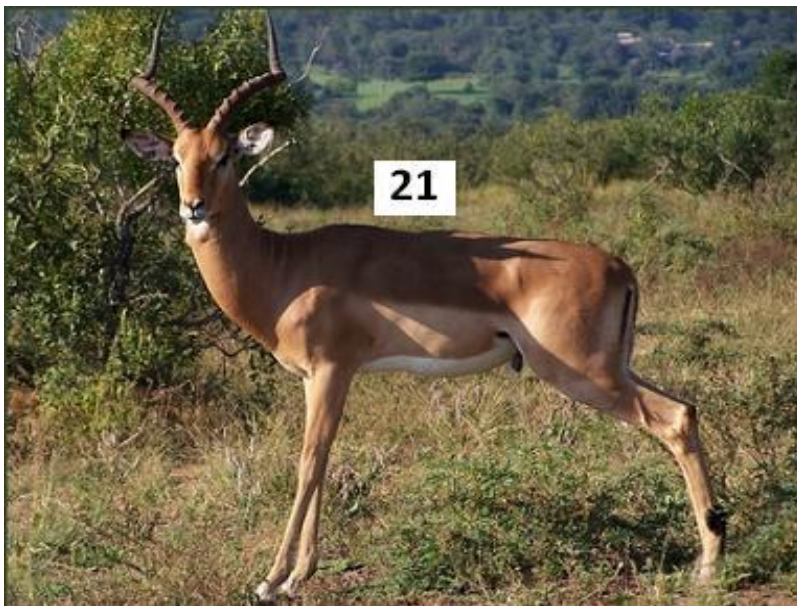


- a) Species \_\_\_\_\_



- b) Sighting distance \_\_\_\_\_ (angle=5°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q11: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q12: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q13: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
  - b) Sighting distance \_\_\_\_\_ (angle=0°)
  - c) Alertness: calm / cautious / nervous
  - d) Gender: Male / Female / Can't say
  - e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q14: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
  - b) Sighting distance \_\_\_\_\_ (angle=0°)
  - c) Alertness: calm / cautious / nervous
  - d) Gender: Male / Female / Can't say
  - e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q15: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=20°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q16: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q17: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=10°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Q18: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=5°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Q19: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Q20: Please indicate shot placement on targeted animal:**



- a) Species \_\_\_\_\_
- b) Sighting distance \_\_\_\_\_ (angle=0°)
- c) Alertness: calm / cautious / nervous
- d) Gender: Male / Female / Can't say
- e) Ethical concerns: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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**Part B:**

## I) Assessing equipment

1. What is your arrow's weight? \_\_\_\_\_ gr
2. What is your arrow's speed? \_\_\_\_\_ fps
3. What is the broadhead's resistance? \_\_\_\_\_ lbs
4. For each animal, what should the arrow's kinetic energy be?

Warthog	_____	foot-pounds
Kudu cow	_____	foot-pounds
Blue-wildebeest	_____	foot-pounds
Eland bull	_____	foot-pounds
Giraffe	_____	foot-pounds

## II) Assessing Maximum Distances

5. If you took reaction to the bow's sound upon release into account, what is the recommended maximum distance?

Warthog	_____	yards
Kudu cow	_____	yards
Blue-wildebeest	_____	yards
Eland bull	_____	yards
Giraffe	_____	yards
6. What is your grouping in terms of circumference? \_\_\_\_\_ inch
7. And its diameter (Circumference/3)? \_\_\_\_\_ inch
8. At what distance was this test done? \_\_\_\_\_ yards
9. What is the grouping diameter as inches/Y? \_\_\_\_\_ inches per yard.
10. For each category, what is the recommended maximum distance based on your grouping size?



Warthog \_\_\_\_\_ yards  
Kudu cow \_\_\_\_\_ yards  
Blue-wildebeest \_\_\_\_\_ yards  
Eland bull \_\_\_\_\_ yards  
Giraffe \_\_\_\_\_ yards

11. According to the recommendations by SABA, what is the maximum distance YOU should hunt at?

Warthog \_\_\_\_\_ yards  
Kudu cow \_\_\_\_\_ yards  
Blue-wildebeest \_\_\_\_\_ yards  
Eland bull \_\_\_\_\_ yards  
Giraffe \_\_\_\_\_ yards

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## Part C

*For this part of the test the questions may not have a correct answer. What is more important is that you are able to defend your decision, and as such please provide grounds for your answer.*

1. What is the single most important factor affecting the success of a hunt? Why?

\_\_\_\_\_

2. Why is arrow weight important for the bowhunter?

\_\_\_\_\_

3. Why is arrow speed important for a bowhunter?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. What factors affect penetration?

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5. Why would you want to limit the distance you shoot at?

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6. Why would you not want to shoot at less than 10Y?

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7. So you shot a record sized Kudu a questionable shot while "walking and stalking". You know there are vultures and a leopard on the farm. You find some stomach content at the impact site. How long do you wait before starting to track it? Why?

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8. When shooting uphill at  $25^\circ$ , at 50Y, what distance compensation should I do?

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9. When shooting downhill at  $25^\circ$ , at 50Y, what distance compensation should I do?

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## Score Sheet

Part A

each correct answer score 5 marks

Question	a	b	c	d	e
1	_____	_____	_____	_____	_____
2	_____	_____	_____	_____	_____
3	_____	_____	_____	_____	_____
4	_____	_____	_____	_____	_____
5	_____	_____	_____	_____	_____
6	_____	_____	_____	_____	_____
7	_____	_____	_____	_____	_____
8	_____	_____	_____	_____	_____
9	_____	_____	_____	_____	_____
10	_____	_____	_____	_____	_____
11	_____	_____	_____	_____	_____
12	_____	_____	_____	_____	_____
13	_____	_____	_____	_____	_____
14	_____	_____	_____	_____	_____
15	_____	_____	_____	_____	_____
16	_____	_____	_____	_____	_____
17	_____	_____	_____	_____	_____
18	_____	_____	_____	_____	_____
19	_____	_____	_____	_____	_____
20	_____	_____	_____	_____	_____
Totals	_____	_____	_____	_____	_____

Objectives:

1) Identification of species

\_\_\_\_\_

2) Compensating for angled shots

\_\_\_\_\_

3) Assessment of the temperament of the animal

\_\_\_\_\_

4) Identification of Gender

\_\_\_\_\_

- 5) Assessment of ethical situation \_\_\_\_\_
  - 6) Shot Placment \_\_\_\_\_
  - 7) Evaluation of hunting equipment re  
suitability \_\_\_\_\_
  - 8) Calculating maximum ethical hunting  
distances \_\_\_\_\_
  - 9) Showing general knowledge on bowhunting  
technique and practice \_\_\_\_\_
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## APPENDIX: LOOKUP TABLES

<u>Proposed Maximum Yardage based on Reaction Time</u>					
Size (kg)	25	50	100	200	400
Reaction Time (seconds)	0.1	0.14	0.20	0.28	0.40
Arrow Speed	Recommended Maximum Distance (yards)				
150	6	8	12	16	23
175	7	10	14	20	28
200	8	11	16	23	32
225	9	13	19	26	37
250	11	15	21	30	43
275	12	17	24	34	48
300	14	19	27	38	54

<u>Proposed Maximum Yardage for Grouping size (safety factor 2)</u>							
approx. mass (kg)	50	75	100	200	400	800	
Average vital dia	4"	5"	6"	6"	7"	8"	(also approx)
Circumference "/Y	Recommended Max Distance* (Y)						
24"	0.160	13	16	19	19	22	25
22"	0.147	14	17	20	20	24	27
20"	0.133	15	19	23	23	26	30
18"	0.120	17	21	25	25	29	33
16"	0.107	19	23	28	28	33	38
14"	0.093	21	27	32	32	38	43
12"	0.080	25	31	38	38	44	50
10"	0.066	30	38	45	45	53**	60
8"	0.053	38	47	56	56	66	75

\* safety factor=2

\*\* shots at 50Y and beyond are generally not recommended.