

_		Cycli	ng
	1. Know the bicycle.	name and explain the pur	rpose of the various parts of a
		Name	Purpose
	1		
	7		
	11		
	1 2	replace a blown inner tube	
		mpleted	
		The following.	
			atch a demonstration of bicycle repairs.
		-	al cyclist and have that person explain vele quickly during an event or race.
		mble the parts of the bicy nonstrate how to clean the	cle necessary to do a simple cleaning bicycle properly.
	Date co	mpleted	

4. Adjust the brakes and front and re	ear derailer properly.
Date completed	
5. Know and practice courtesy, safet bicycling.	y, and rules of the road as they pertain to
Date completed	
6. Why is it essential to always wear	
What are the rules in your city/towwearing a cycling helmet? (both r	
	road map or use a GPS course-mapping () km) course and following it accurately
Date completed	
8. Have the following riding record:	
a. Take three separate 10-mile (16	km) rides in different locations.
b. Take a 50-mile (80 km) ride in	ten hours or less.
Date completed	

Cycling, Advanced

	1.	Have the Cycling Honor.
	2.	Describe how to select the correct frame size, handlebar, and saddle height to fit one's body size. Frame Size
		Handlebar
		Saddle Height
_		
	3.	Describe briefly all the desirable features of a bicycle used for long distance touring.
	4.	Take apart, clean, and reassemble the bearings in the front and rear wheels, headset, and bottom brackets.
		Date completed

	5. Explain and demonstrate t	the meaning of "BCD" as it relates to the crank.	
	Date completed		
	6. Select the front and rear sprockets combination that would give the best results under the following conditions:		
	Conditions	Front/Rear sprocket combination	
	Riding in hilly terrain		
	Touring with packs on t	the bicycle	
	Riding in level country		
	☐ 7. Explain how the riding characteristics of a bicycle are affected by:		
a. The geometry of the bicycle frame including: Head and seat tube angles			
	Fork rate		
	Chain stay length		
	Bottom bracket h	eight	
	Wheel base lengt	h	
	b. The kind of wheels used	d including:	
	Clincher or tubula	ar tires	
	Small or large fra	me hubs	
	Number of spoke	s used on each wheel	
	Number of spokes	s each spoke crosses	

J	8. N	Make a list of desirable equipment items to be taken on a multi-day bicycle tour, including shelter and cooking equipment.
]		Review courtesy and safety rules used while bicycling. What are the rules for the road for cyclists in your local area?
Ì	10.	What are the advantages of drafting?
		Know how to safely and properly draft.
		Date completed

0	f each.	
	Clothing/Equipment	Advantages
		_
		_
		_
		ed prior to riding a 100-mile (160 km)
	our, including items such as:	
a.	Truing tires completed	
h.	Cables are tightened	
ь.	cuotes are againemen	
c.	New tubes and tires, pressures c	hecked
d.	Chain lubrication	
e.	Brake pad thickness checked	

	f.	Repair tool kit verified
<u> </u>		evelop a plan that involves hydration and nutrition that you will use efore, during, and after a ride.
		Date completed
	14. H	ave the following riding record while working on this honor:
	a.	Make three single-day 20-mile (32 km) rides in different locations.
		Date completed
	b.	Complete either a 75-mile (120 km) one-day bicycle trip or a multi-day 100-mile (160 km) bicycle tour.
		Date completed
1		valuate the 75-mile trip (120 km) or 100-mile (160 km) tour. Answer uch questions as:
	a.	What were high/low points of the ride?
	b.	What parts of your preparation helped you succeed? What could you have better prepared for?
	c.	When did you almost quit? Why?
	d.	How did your hydration and nutrition plan work during your ride? What was most helpful? What would you change about your plan next time?
	e.	What would you do differently next time?
		Date completed