



## **DO NOT WRITE IN THIS TEST BOOKLET**

1. You should NEVER brake while in a corner.
  - True
  - False
  
2. Experienced riders with professional training can stop in less distance than modern ABS (antilock braking systems) in most environments.
  - True
  - False
  
3. While riding through curves on public roads, it is always best to remain centered on the seat and in-line with the centerline of the motorcycle.
  - True
  - False
  
4. Frequency illusion (Badder-Meinhot phenomenon) is the illusion in which a word, a name, or any other thing that has recently come to one's attention suddenly seems to appear with improbable frequency shortly afterwards.
  - True
  - False
  
5. When viewing traction as an area equation: If a motorcycle uses 80% of its available traction for cornering, it has 20% remaining for acceleration or braking.
  - True
  - False
  
6. There is statistical evidence that shows exhaust systems with a decibel rating greater than those produced by OEM systems have fewer multi-vehicle accidents.
  - True
  - False
  
7. Most motorcycle accidents occur prior to reaching the motorcycle's (braking/cornering) limits.
  - True
  - False

8. The most accurate way to find the optimal tire pressure for your tire/motorcycle combination is...

- a. Motorcycle owner's manual
- b. Tire sidewall
- c. Internet forums
- d. Tire manufacturer

9. The industry standard for following distance in perfect riding conditions is...

- a. 2 seconds
- b. 3 seconds
- c. 4 seconds
- d. All of the above

10. Counter steering is...

- a. A maneuver used to avoid obstacles
- b. The process of applying handlebar pressure opposite of the direction of the turn to initiate lean
- c. The process of turning the handle bars just slightly into the direction of the turn to initiate lean
- d. Used in very slow parking lot maneuvers

11. According to the Hurt report, the highest risk-period for motorcyclists to have an accident is...

- a. 0-6 months riding experience
- b. 07-12 months riding experience
- c. 25-36 months riding experience
- d. 48+ months riding experience

12. The riding demographic with the fastest growth in percentage of accidents is...

- a. Under 25 years old
- b. Between 25-30 years old
- c. Between 35-40 years old
- d. Over 40 years old

13. The Father of Andragogy (adult learning theory) is...

- a. David Kolb
- b. Darren Jacobs
- c. Albert Einstein
- d. Malcom Knowles

14. The maximum percentage of braking force the front brake can provide on a modern sport bike on good traction is...

- a. 60%
- b. 70%
- c. 80%
- d. 100%

15. Current research shows that, on a national average, most motorcycle fatalities occur \_\_\_\_\_ .

- a. At intersections
- b. In parking lots
- c. On the freeway/highway
- d. In curves

16. “Home position” is a term used to describe...

- a. The seated position before using “body positioning” to optimize cornering clearance
- b. The concept of centering the ocular cavity towards a target point
- c. The centering of the head, chest and hips toward a vanishing point
- d. Both b & c

17. Spring preload...

- a. Increases and decreases ride height
- b. Makes the spring harder or softer
- c. Happens when you have a passenger
- d. Can only be adjusted by a dealer or a suspension shop

18. The four elements of David A. Kolb’s’ experiential learning cycle are...

- a. Formal learning, Theoretical diagnosis, Learning portioning, Practical application
- b. Theoretical diagnosis, Formal learning, Learning portioning, Practical application
- c. Active conceptualization, Abstract experimentation, Concrete experience, Reflective observation
- d. Concrete experience, Reflective observation, Abstract conceptualization, Active experimentation

19. When the throttle is gradually increased prior to entering a corner...

- a. The front suspension extends and the rear squats
- b. Both front & rear suspensions rise up
- c. Both front & rear suspensions squat
- d. The front suspension compresses and the rear rises up

20. Parafoveal (mesopic) vision is...

- a. Central focus vision (3-5 degrees)
- b. The peripheral range (near 45 degrees)
- c. The formal name for far-peripheral vision (as much as 110 degrees)
- d. Vision in mammals with eyes located on the front of the skull for determining distance and tracking prey.

21. Maximum traction is achieved...

- a. When a tire achieves approximately 10% slip
- b. When a tire is not slipping at all
- c. When you maintain the tire pressure indicated on the tire sidewall
- d. When riding on cement highways

**22. Inattentive blindness (perceptual blindness) is...**

- a. The event in which an individual fails to perceive an unexpected stimulus that is in plain sight
- b. The legal term used for individuals (drivers) who fail to recognize a hazard or emergency due to inattention
- c. The visual gap (blind spot) between the rods and cones
- d. The skill of riding a motorcycle with your eyes closed

**23. Most multi-vehicle accidents involving motorcycles occur...**

- a. In areas posted 25-35 mph
- b. At highway speeds, posted 55-70 mph
- c. When the car driver is on the phone
- d. In school zones

**24. DOT stands for...**

- a. Director of Training
- b. Department of Traffic
- c. Department of Transportation
- d. Director of Technology

**25. The proper number of fingers to operate your front brake is...**

- a. 2
- b. 3
- c. 4
- d. All of the above

**26. The concept of the vanishing point (VP) is...**

- a. The furthest point you can see the road; the point at which it “vanishes”
- b. Is a dynamic point that normally moves fluidly as the visual horizon extends and contracts but can also skip (jump) rapidly to point in the distance.
- c. Is used to control entry, mid-corner and exit cornering speeds
- d. All of the above

**27. As little as one alcoholic drink can affect your ability to:**

- a. Think clearly to be able make good judgment calls and safe choices
- b. Identify and respond to hazards
- c. Ride skillfully and safely
- d. All of the above

**28. What braking standard is required to pass the MSF BRC or ARC with no penalty points?**

- a. -.46G
- b. -.63G
- c. -.85G
- d. -.98G

**29. While riding in a group, it is considered best to place inexperienced riders...**

- a. Near the front of the group (2<sup>nd</sup> position)
- b. Near the rear of the group (2<sup>nd</sup> to last position)
- c. Somewhere near the center of the group
- d. It is best to let them choose where they would like to ride

**30. When riding where gravel, ice, moss or sand tend to collect, you should:**

- a. Downshift to increase engine RPM's
- b. Maintain a relaxed grip and avoid sudden changes in speed or lean
- c. Use only the rear brake to slow if needed
- d. Both a & b

**31. More experienced riders are...**

- a. more likely to inaccurately blame other vehicles for motorcycle fatalities than less experienced riders
- b. less likely to inaccurately blame other vehicles for motorcycle fatalities than less experienced riders
- c. more likely to blame the motorcyclist in a motorcycle fatality than less experienced riders
- d. so good looking with their black gear and loud pipes that they never get into crashes with other vehicles

**32. Trail braking is a technique that means...**

- a. The rider uses the rear brake after entering a corner
- b. The motorcycle continues to slow (brake) into corner after the turn point
- c. The rider uses the front brake while in a corner
- d. All of the above

**33. When comparing motorcycles with autos of similar purpose (ie. sports car vs. sport bike), in 60-0 mph statistics, motorcycles generally...**

- a. Stop in a much shorter distance than their automotive counterparts (a difference of >15')
- b. Stop in a similar distance ( $\leq 15'$ )
- c. Stop in a much longer distance (>15')
- d. Only stop in the shorter distance when ABS is engaged

**34. Overriding headlights means a rider...**

- a) Is riding faster than they can see
- b) Is riding in the path illuminated by the headlight
- c) Is a strategy the uses the headlights of other vehicles to extent nighttime sightlines
- d) Is riding faster than they can visually identify, react and avoid a threat

**35. The recommendation to replace a helmet after 5yrs of service, even if it has not incurred any impact, is...**

- a) The impact-absorbing inner liner breaks down over time
- b) Hair oils, body fluids, and cosmetics contribute to helmet degradation of the comfort liner
- c) The impact-resistant outer shell become fragile due to UV exposure
- d) The DOT requires helmets to be replaced 5 years after going into service

**36. The term “crested” is:**

- a) The act of an oncoming vehicle crossing the center line at the crest on a hill
- b) The blind spot created by the highest point on a hill
- c) A technique that uses a corner apex that exists at the crest of a hill
- d) A brand of toothpaste

**37. A rider that continues to brake beyond the apex of a corner...**

- a) Is a mid-corner braking technique used by police officers
- b) Is a form of trail-braking
- c) Can only be done if the rider is at less than 30% of maximum lean angle
- d) Has failed to STFD

**38. A synonym for “mentor” is...**

- a) Adviser
- b) Counselor
- c) Consultant
- d) All of the above

**39. Motion Parallax is...**

- a) The illusion of objects closer to you moving faster than objects further away
- b) When two objects appear to be moving when parallel to each other
- c) The difference in size between a stationary object and a moving object while you are in motion
- d) A movie production studio in India

**40. When using the PLAN strategy (Perceive + Locate + Act = Neutralize) you must...**

- a) Perceive threats that have not already materialized
- b) Locate threats
- c) Act on threats using risk (level) triage
- d) Neutralize threats as they appear