**Inspector Of Implements**

**Purpose:** This is NOT A TEST. It's a REVIEW. It's meant to make you familiar with the Rule Book, what's in it and how it's set up. It evaluates your ability to read a rule and correctly interpret it. To save you a significant amount of time, the specific rule numbers are given. Hopefully, after taking the Review, you will feel that you are a much more knowledgeable official.

**Instructions Use:** The Answers and Rule Numbers cited in this Review are based on the 2024 USATF Rule Book, https://www.usatf.org/governance/rule-books. **There is a very useful and detailed Implement Inspector’s Handbook in two volumes that can be found in the “Best Practices” section for officials on the USATF website.** Reviews may be taken online or on paper. Both versions can be found at: <https://noc.mach2k.net/> If taking the review by paper you will need to send your completed review to your certification chair. If you take the review online results of non-open ended questions will be sent to you and your certification chair. Your certification chair will review the open ended questions and return final results to you.

**Suggestions:** 1) Taking the Review in a group setting that allows open discussion or with other officials is encouraged. 2) New and less experienced officials should try to work with a "mentoring" official. 3) "Specialty" officials who mainly work in the same areas at most meets should take the review with other officials, benefit from shared experiences and the knowledge of all.

**Important Notes:** 1.) Be sure to read the rule that is referenced carefully. Just one word may make the difference in a question or answer choice. 2.) Don't "over read." Take the questions at face value. Don't think "but what if …". The questions are not meant to trick anyone.

**Scoring:** Successful completion of the Review requires a success rate of at least 54 points. Individuals who do not reach the 54 points are encouraged to retake the review. Questions 1 - 10 are Multiple Choice, Questions (worth 2 points) 11-20 are Fill in the blank are Fill in the Blanks (worth 2 points). Be sure to write the answer as you see it written in the rulebook. Questions 21-30 are True and False (worth 2 points).

**Begin.**

NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **(Duties of the Inspector of Implements) Indicate the statement that is NOT CORRECT.**
2. The Inspector of Implements shall weigh and measure implements used in competition. **Rule 139**
3. The Inspector of Implements shall place designating mark on each implement passes as complying with all the relevant specifications. **Rule 139**
4. The inspector of Implements shall impound the non-complying implements for the duration of the competition. **Rule 139**
5. The Inspector of Implements is responsible for ensuring that all circles, arcs, sectors, and landing areas for the Field Events are in accordance with the rules. **Rule 123**
6. **(The Discus) Indicate the statement that is NOT CORRECT.**
7. Regardless of weight of the discus being inspected, the thickness of the rim for all discuses has minimum and maximum which should be measured of 6mm from the edge of the implement. **Rule 189**
8. The sides and rim of the discus shall be intact, showing no signs of significant cracks, gouges or breakage that would reduce the integrity of the side of discus as a whole or provide the athlete with an improved grip. **Rule 189**
9. A discus made entirely of rubber or similar material is legal as long as it meets all of the other specifications. **Rule 189**
10. A discus made is constructed with metal plates flush into the center of the sides. In the alternative, the discus may be made without metal plates, provided it measurement and total weight of the implement correspond to specifications. **Rule 180**

**3. (Javelin but not including either the Youth Mini Javelin or the Youth Aero Javelin) Indicate the statement that is NOT CORRECT.**

**A.** The javelin grip shall cover the center of gravity, shall not to exceed the diameter of the shaft by more than 8 mm, and shall be of uniform thickness. **Rule 193**

**B.** The maximum diameter of an 800g javelin shall be 30 mm and shall be immediately in front of the grip. **Rule 193, 193**

**C.** Rule 193.8 (Note2) gives directions on how to check the longitudinal profile of a javelin. **Rule 193 and Note 2**

**D.** In order to improve the flight, javelins may be manufactured with dimples, grooves, or ridges on the surface of the shaft. **Rule 193**

**4. (Javelin specifications) Indicate the statement that is NOT CORRECT.**

 **A.** There is a minimum and maximum length. **Rule 193**

 **B.** There is a minimum and maximum weight. **Rule 193**

 **C.** There is a minimum and maximum width of the Javelin cord. **Rule 193**

 **D.** There is a minimum and maximum distance from the top of the Center of Gravity. **Rule 193**

**5. (The Indoor Shot) Indicate the statement that is NOT CORRECT.**

 **A.** For a synthetic covered indoor shot, the maximum diameter for both men and women’s shots is no more than 20 mm larger than the corresponding implement each would use outdoors. **Rule 222**

 **B.** An indoor shot which is solid metal cased or a latex covered metal shell or one made of soft plastic or rubber incasing a suitable material may be allowed. **Rule 222**

 **C.** In any one competition, only one type of shot may be used**. Rule 222**

 **D.** For Masters Men, the maximum diameter of any Indoor Shot is 145 mm**. Rule 222**

**6. (Hammer and Weight Handles) Indicate the statement that is NOT CORRECT.**

 **A.** A hammer handle shall have a symmetric design, be rigid without hinging joints of any kind, and may have a curved or straight grip and/or brace. Examples of handles that meet specifications are in Appendix 1, figure 14. **Rules 191 Appendix 1**

 **B.** The handle for the weight shall be made of a round steel metal rod, bent in a triangular shape with straight sides. The handle may include an internal brace or loop. Examples of handles that meet specifications are in Appendix 1, figure 15. **Rule 195**

 **C.** For the Weight Throw, competitors are allowed to use implements with handles that meet the Hammer specifications. **Rule 195**

 **D.** Weight handles may have different dimensions based on whether or not the head of the implement is all metal or filled head weight style. **Rules 195**

**7. (Youth Athletics Implements) Indicate the statement that is NOT CORRECT.**

 **A.** Boys in the 17-18 Division use the 12 lb. shot and hammer, the 1.6 k discus, and the 800 gram Javelin. **Rule 301**

 **B.** Boys in the 11-12 Division use the 4k shot. Girls in the 11-12 Division use the 6 lb. shot. **Rule 301**

 **C.** 8 and Under, 9-10 Boys and Girls use the 300g Mini Javelin. 11-12 Boys and Girls use the 450g Aero Javelin. **Rule 301**

 **D.** The Hammer Throw in the Youth Athletics is only allowed in the 15-16 and 17-18 Divisions. **Rule 301**

**8. (Javelin) Indicate the statement that is NOT CORRECT.**

 **A.** The distance of the tip taper measurement point from the tip of the 800g and 600g javelins is 150mm. **Rule 193**

 **B.** The diameter at the tip taper measurement point must be equal to or less than .80 (80%) of the maximum diameter of the implement. **Rule 193**

 **C.** The distance of the tail taper measurement point from the tail of the 800g and 600g javelins is 150mm. **Rule 193**

 **D.** The diameter at the tail taper measurement point must be equal to or less than ,90 (90%) of the maximum diameter of the implement. **Rule 193**

**9. (Mini Javelin and Aero Javelin) Indicate the statement that is NOT CORRECT.**

 **A.** The grip of the Aero Javelin is not required to cover the center of gravity. **Rule 193**

 **B.** The grip of the Aero Javelin may be made of synthetic material or wood with cord which is similar to that used on traditional javelins. **Rule 193**

 **C.** The fins of the Mini Javelin shall be perpendicular to the surface of the javelin and parallel to the center line of the shaft of the javelin**. Rule 193**

 **D.** The Mini Javelin shall have a tip, shaft, grip and fins and all shall be made of plastic. **Rule 193**

**10. (Miscellaneous) Indicate the statement that is NOT CORRECT.**

 **A.** The various groups that throw the Club implement shall throw an implement that weighs a minimum of 397 grams. **Para Appendix 1**

 **B.** In addition to the Open Men’s 2k Discus, HS and Youth 1.6k, and Women’s 1k, there are specifications listed for a 0.5k, 1.5k, and 1.75k discus. **Rule 189**

 **C.** The surface of the shot shall have no roughness and the finish shall be smooth. **Rule 188**

 **D.** A shot that is constructed as a solid sphere shall be made of iron, brass, or any metal not softer than brass. **Rule 188**

**(Fill in the Blanks) (2 points each) Indicate the Answer on the Review or Answer Key Be sure to fill in the blank exactly as you see it in the rule book.**

**11.** (Regarding scales used to weigh implements) It is advisable to have at least one preferably two calibration weights which are traceable to \_\_\_ \_\_\_ standards in order to routinely confirm calibration and linearity from 1k to 8k. **Rule 148**

**12.** The javelin shall have no mobile parts or other apparatus that, during the throw, could change its \_\_\_ \_\_\_ or throwing characteristics. **Rule 193**

**13.** In the case of American or World Record, the implement should be impounded and \_\_\_ \_\_\_ until it has been recertified for the record. **Rule 187**

**14.** The length of the hammer is measured from the inside of the handle to the bottom of the ball. \_\_\_\_ \_\_\_\_ should be applied to make sure that the wire is straight. **Rule 191**

**15.** The Specifications for the Men’s 2k and Women’s 1k Discus can be found in the tables in Rule 189.3 and in the illustration in Appendix 1, Figure \_\_\_\_\_\_\_\_\_\_.  **Rule 189**

**16.** In the Ultraweight Pentathlon, the heaviest weight thrown by women is 98 pounds, the heaviest weight thrown by men is \_\_\_\_\_\_\_\_ pounds. **Rule 203**

**17.** If the head of the hammer has an outer shell, it shall be filled with lead or other solid material so that no \_\_\_\_\_\_\_ movement is detected and the center of gravity shall not be more than 6mm from the center of the sphere. **Rule 191**

**18.** On a digital scale that measures to 1/100th of a kilogram, a 12 lb. shot would need to weigh \_\_\_\_\_\_\_\_ kilograms to meet specifications. **Rule 188**

**19.** The discus may be solid or \_\_\_\_\_\_\_\_. **Rule 189**

**20.** The hammer wire shall be connected to the head by means of a swivel which may be either plain or ball bearing. The handle shall be connected to the wire by means of a \_\_\_\_\_\_\_\_ in such a manner that it cannot be turned within the loop of the wire to increase the overall length of the hammer. **Rule 191**

**(True or False) ( 2points each) Indicate the answer on this review or Answer Key and send to your certification chair**

**21.** If an event includes a qualifying round (the day before the actual trials and final), the Inspector of Implements must return all the implements to the competitors after the qualifying round and recertify them on the day of the trials and finals. **Rule 139**

 **A.** True

 **B.** False

**22.** If the Inspector of Implements feels that there is a legitimate reason to certify additional implements between the qualifying round and the competition proper, he or she may, on his or her authority alone, make that decision. **Rule 139**

 **A.** True

 **B.** False

**23**. If, as the result of material damage, an implement becomes a safety hazard or ceases to comply with specifications, it should be impounded. If practicable to do so, it should be repaired and recertified. **Rule 187**

 **A.** True

 **B.** False

**24.** Master athletes shall use the weights and dimensions of throwing implements as defined by WMA (World Masters Athletics). That note and these dimensions are found in each of the individual implement sections (188.4, 189.3, 191.9, 193.7, and 195.9) **Rule 332**

 **A.** True

 **B.** False

**25.** At the end of the Rule Book, beginning on page 205, there is a special section for Para-Athletes. At the end of the Para section, on page 237-241, are charts which identify the implements which athletes in each disability should have inspected before use. **Appendix 3**

 **A.** True

 **B.** False

**26.** When there is a competition in any of the Ultraweight categories (98 lbs., 200 lbs., and 300 lbs.), a scale of sufficient capacity and measurement accuracy must be available at the event. **Rule 196**

 **A.** True

 **B.** False

**27.** There is no maximum weight for a shot. Some athletes like to use heavier implements to warm up and may do so as long as the implement meets the same specifications as the implement they will throw in competition. **Rule 188 \*FYI-There is a minimum weight for the shot. When the weight is heavier than the minimum weight, it is a good idea to mark the weight on the heavier shot.**

 **A.** True

 **B.** False

**28.** The shaft of the javelin may be solid or hollow and shall be constructed of metal or other suitable material so as to constitute a fixed and integrated whole. The shaft shall have fixed to it a metal head terminating in a sharp point. **Rule 193**

 **A.** True

 **B.** False

**29.** The maximum diameter for any 5k outdoor shot is 110mm. **Rule 188**

 **A.** True

 **B.** False

**30.** The indoor shot shall conform to the construction and weight specifications of Rule 188 and must not allow the indentations in the surface be created to improve the grip. **Rule 222**

 **A.** True

 **B.** False

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Association:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Certification Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Email Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Submitted:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Certification Chair:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2025-2029 Inspector of Implements**

**Answer Sheet**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Cert. #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Email Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Association:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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