**DV162\_25\_PAS\_568A and 568B Colors**

**Possible Answer Sheet**

Q1. What are the international standards for cabling?

Ans: There are two main international organizations that set standards for cabling systems, particularly for telecommunications applications:  
 ISO/IEC 11801 and TIA (Telecommunication Industry Association)

Q2. The TIA standard for cabling is the \_\_\_\_\_\_\_\_\_standard, which is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Standard.

Ans. TIA 568, Commercial Building Standard.

Q3. What does TIA stand for?  
Ans. Telecommunication Industry Association.

Q4. What does the TIA 568 standard cover?

Ans: TIA 568 standard covers the physical components and specifications for telecommunications cabling systems in commercial buildings. It's a widely used standard in North America and plays a crucial role in ensuring reliable and efficient data transmission within buildings.

Q5. What are the two standards for 8P8C connectors?

Ans: 568A and 568B

Q6. What are 8P8C connectors?

Ans. 8P8C connectors commonly known as RJ45 connectors.

Q7. What is the 568A coloring scheme associated with?

Ans: 1. White/Green  
 2. Green  
 3. White/Orange

4. Blue

5. White/Blue

6. Orange

7. White/Brown

8. Brown

Q8. What is the difference between the 568A and the 568B color standards?

Ans: The first two pairs (pins 1-2 and 3-6). In the 568A standard, the first pair is White/Green and Green, while in the 568B standard, the first pair is White/Orange and Orange.

Q9. : What color scheme do ethernet crossover cables use?

Ans: 568A on one side and 568B on the other side.

Q10. What do the 568A and 568B standards specify?

Ans. Specifies the color of cables.

Q11. What is the difference between T568A and T568B?

Ans: T568A and T568B are two different wiring standards used for terminating twisted pair cables, particularly Ethernet cables, to an 8P8C (RJ45) connector.  
 **T568A:**

* 1. White/Green
* 2. Green
* 3. White/Orange
* 4. Blue
* 5. White/Blue
* 6. Orange
* 7. White/Brown
* 8. Brown

**T568B:**

* 1. White/Orange
* 2. Orange
* 3. White/Green
* 4. Blue
* 5. White/Blue
* 6. Green
* 7. White/Brown
* 8. Brown

Q12. How are pins 1 and 2 different between the 568A and 568B standards?

Ans: Pin 1 and Pin 2 in 568A Standard are White/Green and Green Respectively while in 568B standard Pin 1 is White/Orange and Pin 2 is Orange.

Q13. What is the best way to tell what standard is in use for an ethernet cable?

Ans: By looking at the back of the ethernet cable connector and identifying the colors, if we found Pin1-2-3-4-5-6-7-8 are W/Orange-Orange-W/Green-Blue-W/Blue-Green-W/Brown-Brown then it will be 568B standard.

Q14. What are the colors in the A and B standard?

Ans: For A: **W/Green, Green,** **W/Orange**, Blue, W/Blue, **Orange**, W/Brown, Brown  
 For B: **W/Orange, Orange,** **W/Green**, Blue, W/Blue, **Green**, W/Brown, Brown

Q15. Write an example of a block that has a different color assigned to A & B standard.

Ans. Jack Wall End Plug CAT5e or Punch Down Jack has different colors assigned to A & B standard. If we see on the side of the block we have four colors that we would use for A and other four use for B. If we turn this jack or connector to the other side we would see four more colors that are associated with the four different connectors on the other side of the block.