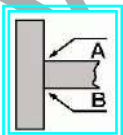


VISUAL TESTING COURSE – ASSIGNMENT - I

1. Recommended distance for Direct visual inspection is maximum _____ inches.
2. Specify two advantages of Visual testing _____
3. For direct visual inspection, eye shall be maintained at minimum 45° to the surface (T/F)
4. In the eye, the incoming light is focussed on _____ (cornea, iris, eyelid, retina)
5. Wave length of visible light is from _____ nm to _____ nm
6. When measuring the light at a given distance _____ law is used.
7. Surface condition that affects visual testing includes cleanliness, color and texture. (T/F)
8. Two kinds of visual inspection techniques are _____ and _____
9. Convex lenses are _____ (divergent, refracted, reflected, converging) lenses.
10. Specify any 5 Aids used in direct visual inspection are _____
11. Filled weld gauge measures leg length and throat in weld fillets (T/F)
12. Functions of Cambridge (Universal) Gauge are _____
13. Workman ship standards are easy to produce in visual testing (T/F)
14. As per ASME section V the minimum light intensity on the test surface shall be _____
15. Visual testing inspector shall be capable of reading _____ letter for near vision
16. Visual testing can detect flaws on _____ (surface, subsurface, internal) only
17. List any 5 Typical casting discontinuities _____
18. Lack of fusion is a typical discontinuity found in forgings (T/F)
19. Name any 3 types of flaws found in Forgings _____
20. Overlaps occurs when a weld metals flows over underlying metal that couldn't fuse with it. (T/F)
21. Seam and laps are typically found in _____ (castings, forgings, rolled components)
22. Lack of penetration occurs at _____ (root, face, side wall, toe) of the welds
23. A discontinuity commonly found at drastic change in section thickness in a casting is _____
24. _____ is a typical discontinuity found in rolled plates at mid of of the section thickness.
25. The surfaces of the finished weld shall be free of _____ (list any 4)
26. A standard enforced as a law is called _____ (specification, code, standard)
27. A set of instructions or standards invoked by a specific customer to govern the results or performance of specific set of tasks is called _____ (specification, code, standard)
28. Which ASME section V article covers visual testing _____ (4, 6, 8, 9)
29. Endoscope of the device used for viewing exterior surfaces for flaws (T/F)



30. In the picture 'A' indicates information about weld on _____ (arrow side, other side)

Ref: TINT/VT/A/0423/00