Part 1: Applied Machining Word Problems (1–9)

1. **B. R plane**

2. **B. 0.995 to 1.005**

3. **B. Flatness**

4. **A. Yes**

5. **C. ~0.332**

6. **A. G83**

7. **B. Mislocated features**

8. **B. Vibration and deflection**

9. **C. Tool length offset applied**

Part 2: GD&T (10–18)

10. **B. Maximum Material Condition – smallest hole/largest pin**

11. **A. Form is absolute; orientation is relative to a datum**

12. **C. ⊥**

13. **B. The exact location of a feature within a tolerance zone**

14. **C. Surface plate with height gauge**

15. **C. Surface controls all points; line controls a cross-section**

16. **C. It applies location and orientation together**

17. **B. CMM is 3-axis capable and programmable**

18. **B. Regardless of Feature Size**

Part 3: Decimal Lingo & Shop Math (19–27)

19. **C. Five thousandths**

20. **A. Thirty ten-thousandths**

21. **B. 0.1**

22. **A. 0.005 to 0.015**

23. **C. One tenth, one hundredth, one thousandth**

24. **A. 253**

25. **B. Yes**

26. **A. 9**

27. **B. 11**

Part 4: Decimal Conversion (28)

28. **C. 0.05**

Part 5: Milling Machine Components (29–33)

29. **C. Spindle**

30. **A. Table**

31. **C. Saddle**

32. **D. Knee**

33. **C. Quill**

Part 6: Vocabulary Review (34–38)

34. **C. Angularity**

35. **B. Datum**

36. **B. Blueprint**

37. **D. Tolerance**

38. **B. Chamfer**