**Khyber PakhtunKhwa Board of Technical Education Peshawar**

Roll No: - \_\_\_\_\_\_\_\_\_\_\_

Candidate’s Sign:-

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Superintendent Sign:-

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**Diploma of Associate Engineer**

**Ist Year Civil Technology ( New Course)**

**Paper: - Civil Drafting – I (CT – 133)**

**Model Paper**

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**Time Allowed: - 03 Hours. Max. Marks: - 50**

 **Note: -** **Part – A is compulsory. It should be attempted on question paper & returned after**

 **Ist 30 minutes. Cutting, overwriting & use of lead pencil is not allowed.**

**Time Allowed: - 30 Minutes. ( Part – A ) Marks: - 10**

**Q.1: -** **Tick the correct answer.**

* 1. Visible lines always take precedence over hidden lines on centerlines. True / False
	2. The profile plane is the plane upon which the side view is projected. True / False
	3. First angle projection is primarily used in Europe and Asia. True / False
	4. Broken-out section is limited by a break line. True / False
	5. In isometric projection, all distances are approximately 80 percent of their true size. True / False
	6. Lines of an isometric drawing that are not parallel to the isometric axes are called trimetric lines. True / False
	7. The triangle having two sides equal in magnitude is called Scalene Triangle. True / False
	8. Axonometric projection is a type of orthographic projection. True / False
	9. Submission drawing is prepared for a building which is to be constructed. True / False
	10. The act of changing the air present in a building is called orientation. True/ False

**Time Allowed: - 2 ½ Hrs. ( Part – B ) Marks: - 21**

**Q.2: - Write short answer of seven of the following questions. All questions carry equal marks.**

1. Enlist different types of lines.
2. Write importance of free hand sketches.
3. Write importance of scale and their types.
4. Define plane geometry and solid geometry.
5. Define Rhombus, Paralleogram and Polygon.
6. Define Cone and Conic Section.
7. Enlist different views of orthographic projection.
8. Write only three objectives of building.
9. Enlist different types of building drawing.
10. Differentiate line plane and detail plane.
11. Define perspective drawing.

 **(Part – C ) Marks: - 19**

**Note: - Attempt any three questions.**

**Q.3:** - Explain the importance and daily uses of civil engineering drawing with suitable example.

**Q.4:** - What do you mean by “Orthographic”. Also define different positions of principal plane.

**Q.5:** - Enlist different types of “Sectioning”. Explain any two types of section with example.

**Q.6:** - Draw a detail plan and elevation of primary school with suitable dimensions.

**Q.7:** - What do you means by orientation of building. Enlist the objectives of orientation.

**Q.8:** - Draw conventional symbols of different building materials.

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