**BIJU PATNAIK INSTITUTE OF TECHNOLOGY MOTTO, PURI**

**(GOVERNMENT POLYTECHNIC, PURI)**

6th SEMESTER

ESTIMATION AND COST EVALUATION-II

1. What do you mean by abutment of bridge ?
2. Define bent-up bars ?
3. Explain security deposit ?
4. What are the methods of estimating earthwork in road ?
5. What is the book transfer roll ?
6. What is acquittance roll ?
7. Define temporary advance ?
8. Explain classification of works ?
9. What is contingency budget?

10.What do you mean by bill and voucher

11.Prepare an estimate for a village road culvert as per plan and elevation gives in fig. the estimate should be based on the following?

12.Estimate the quantities of item involved for construction of a WBM road from following data.

Length of the road from following data.

Length of the road = 20000mm

Metalled width = 3700mm

Thickness of grade- I metal 120mm loose consolidated to 80mm thick surface of the road is to be finished with two coats of CRMB bitumen as given below.

1st cost finishing : 13.2mm chips @0.017m3 and bitumen @1.2kg per square of road surface fuel used @ 0.35kg of bitumen.