



GOVIND VIDYALAYA

TAMULIA

Daily Practice Paper (DPP) Subject-Mathematics TEST PAPER I

STD XI

DATE 21-10-2014

Test Module Assignment Practical Questions Project

Questions Wizard

01) How many permutations can be formed by the letters of the word 'Vowels', when?

- a) There is no restriction on letters;
- b) Each word begins with e ;
- c) Each word begins with o and ends with l;
- d) All vowels come together;
- e) All consonants come together?

02) Prove that $p(n, r) = p(n-1, r) + r \cdot P(n-1, r-1)$

03) Prove that $c(2n, n) = \frac{2^n \times [1 \cdot 3 \cdot 5 \dots (2n-1)]}{n!}$

04) Out of 6 teachers and 8 students, a committee of 11 is to be formed. In how many ways can this be done, if the committee contains

- a) Exactly 4 teacher,
- b) At least 4 teacher ?

05) How many 7-digit numbers can be formed using the digits 1, 2, 0, 2, 4, 2
And 4 ?

Designed & Developed By:

Name: Arbind Chakraborty

Subject: Mathematics

Designation: HOD-Mathematics

Govind Vidyalaya, Tamulia