



GOVIND VIDYALAYA

TAMULIA

Daily Practice Paper (DPP)

Subject-Mathematics

Practice Test

Test Module Assignment Practical Questions Project

01) SIMPLIFY $(2 + \sqrt{x})^4 + (2 - \sqrt{x})^4$

02) SHOW THAT THE RATIO OF THE COEFFICIENT OF x^{10} IN $(1 - x^2)^{10}$ AND THE TERM INDEPENDENT OF x IN $(x - \frac{2}{x})^{10}$ IS (1 : 32).

03) THE COEFFICIENT OF THREE CONSECUTIVE TERMS IN THE EXPANSION OF $(1 + X)^n$ ARE IN THE RATIO 1:7:42 FIND n .

04) PROVE THAT THE COEFFICIENT OF Y^n IN THE EXPANSION OF $\frac{(1+Y)^2}{(1-Y)^2}$ IS $4n$

05) FIND THE 5th TERM IN THE EXPANSION OF $(1 - 2x^3)^{11/2}$

Designed & Developed By:
Name: Arbind Chakraborty
Subject: Mathematics
Designation: HOD-Mathematics
Govind Vidyalaya, Tamulia