



AC-1553
M. Sc. (Sem. IV) Examination
April / May – 2015
Botany : Paper - 403
(Biochemistry & Phytochemistry)

Time : 3 Hours]

[Total Marks : 70

Instructions : (1)

<p>नीचे दशांशिक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : M. Sc. (Sem. IV)</p> <p>Name of the Subject : Botany : Paper - 403</p> <p>Subject Code No. : 1 5 5 3 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) Figures to the right indicate full marks of the questions.
(3) Draw neat and labelled diagrams wherever necessary.

Que:1 Describe

- (1) Vitamin-B Complex (08)
(2) Primary structure and Biological functions of proteins. (10)

Que-2 Describe (Any two)

- (1) Isozymes (18)
(2) Suberin and Waxes
(3) Polysaccharide

Que-3 Describe (Any two)

- (1) Classification and properties of Alkaloids (18)
(2) The sources, production and properties of streptomycin
(3) Classification, chemical nature and properties of Vitamin

Que-4 Describe (Any two)

- (1) Biosynthesis of membrane lipids (16)
(2) Three dimensional structure of protein
(3) The fundamentals and general aspects of Enzyme