

Q1.





A JESUIT CHRISTIAN MINORITY INSTITUTION

WORKSHEET-8

SUBJECT - STATISTICS

Term: 1st

Select the correct alternative of the following questions.

Topic – INTERPOLATION	Class: XI
TOPIC INTERNIOR	Glubbi 11

Full Marks: 15 Date:24.06.2020

(i)	When the arguments are monotonically increasing with same increment the method
	used in interpolation formula is

(a)Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(ii) When the arguments are monotonically decreasing with same increment the method used in interpolation formula is

(a) Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(iii) When the arguments are monotonic with same increment the method used in interpolation formula is

(a) Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(iv) When the arguments are monotonically increasing with different increment the method used in interpolation formula is

(a) Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(v) When the arguments are monotonically decreasing with different increment the method used in interpolation formula is

(a) Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(vi) When the arguments are monotonically non increasing with same increment the method used in interpolation formula is

(a)Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(vii) When the arguments are monotonically non decreasing with same increment the method used in interpolation formula is

(a) Newton's forward

(b) Newton's backward

(c) either of two

(d) none of these

(viii)	 i) When the arguments are monotonically non increasing with different incomethod used in interpolation formula is 						
	(a)Newton's f	orward	(b) Newton's ba	ackward		
	(c) Lagrange's	5	(c) none of the	se		
(ix)	When the arguments are monotonically non decreasing with different increment the method used in interpolation formula is						
	(a)Newton's forward			(b) Newton's backward			
	(c) Lagrange's			(d) none of these			
(x)	If the fourth order difference is zero, then $\Delta f(x)$ are						
	(a) increasing (b) decreasing (c) may be both(d) none of these						
(xi)	If all the entries have value -4, then the polynomial is of degree (a) -1 (b) 0 (c) 1 (d) none of these						
(xii)	If all the er polynomial is (a) 0		nme 5th order		s as same value, the of these	then the	
(xiii)	When the entries are monotonically increasing with different increment the method used in interpolation formula is						
	(a)Newton's forward			(b) Newton's backward			
	(c) either of two			(d) none of these			
(xiv)	When the entries are monotonically decreasing with different increment the method used in interpolation formula is						
	(a)Newton's forward			(b) Newton's backward			
	(c) either of two			(d) none of these			
(xv)	$\Delta =$		(-	,			
. ,	(a) E — 1	(b) E + 1	(c) E Prepare Sanjay	(d) none of these ed by Bhattacharya		