



SDI Review Form 1.6

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	MS: 2012/BJMCS/2222
Title of the Manuscript:	Joint Optimal Policy for Variable Deteriorating Inventory System of Vendor- Buyer Ordering With Trapezoidal Demand

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	Major concerns: 1. Please explain why trapezoidal demand is more useful than constant, increasing, and quadratic demand patterns. 2. Does each player get a better profit after receiving each cost savings? Please show them in examples.	1. Explained in lines 21-30(in original manuscript). Thanks. 2. Given in Table 1, pp. 11(in original manuscript). Thanks.
<u>Minor</u> REVISION comments	Minor concerns 1. There are numerous typos such as “numericallythat”, “toplace”, “offeredby”, etc. Please use computer software to check the entire manuscript. 2. I could not find the references related to Mehta and Shah (2003, 2004) in References section. 3. Shah et al. (2008) has been appeared three times in the Introduction section. It seems to be unnecessary. 4. It should be “fashion goods, air seats, smart phones, etc.” in Line 24 on Page 2. 5. Simplify notation by using A_i with $i=b$ for the buyer, and $i=v$ for the vendor.	1. Corrected in the draft. Thanks. 2. Added in references. Thanks. 3. Repeataations deleted. Thanks. 4. Corrected in the draft. Thanks. 5. This suggestion will be confusing. Thanks.



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	6. Explain why $\theta_b < \theta_v$. 7. Please provide the details of Equation (8). 8. Equation (9) needs the subscript v for the vendor. 9. Define K in Table 1 on Page 11.	6. Buyer has better facility than the vendor so this relation is considered. 7. Corrected in draft. Thanks. 8. Proper changes is done. Thanks. 9. Defined in Table 1(in corrected manuscript). Thanks.
<u>Optional/General</u> comments	The authors compare a joint optimal policy for the vendor and the buyer with independent decisions for both players when demand is trapezoidal. To enhance the cooperation, the vendor provides a trade credit period to the buyer. In reviewing the paper, I find the problem is interesting and relevant. However, the paper needs some improvements to increase its quality and readability.	Thanks.