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Q1 a)	of Engli	⁻ mathema sh examir re 78 in bo y?	nation s	cores	has a	mean	of 74 a	and a	standa	ard dev	iation o	f 16. M	r Bean
b)		examinatio d deviatio Scout: Guides:	n and c 57	oeffici 66	ent of 82		ion for 94	the fo 73	ollowin 80	g varia 74	bles and 50		
Q2 a)	For the	following	table c	alculat	te E(X) and \	/(X)						
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b)		te coefficie distributio		orrela	tion fo	or the o	data b	elow a	and te	st the	significa	nce at l	5% by

[TABLE VALUE=2.7]

Χ	23	20	27	30	30	31
Υ	6	8	9	7	10	11

Q3 Two machines are filling Sugar. Forty samples from the first machine find a sample mean of 4.95 kgs, and fifty samples from the second machine have a sample mean of 5.01 kgs. The population standard deviation of the first machine is 0.30 kg, and the population standard deviation of the second machine is 0.10 kgs. Test the claim that the machines are filling equally. Use 0.05 level of significance. Write all steps and conditions. **[TABLE VALUE=2]**

END OF SUBJECTIVE PAPER