Enr	ollment								
			C. U. SHAH	UNIVERSIT	$\Gamma \mathbf{Y}$				
				amination-2019					
Sub	ject Na	me : Qı	uantitative Techniques f	or Management					
Sub	Subject Code : 5MS01QTM1			Branch: M.B.A.					
Sem	nester :	1	Date: 14/11/2019	Time: 02:30 To 05:	30 Marks: 70				
((2) Inst	e of Prog truction	s written on main answer	any other electronic instrumbook are strictly to be obeye					
			diagrams and figures (if n itable data if needed.	ecessary) at right places.					
	SECTION – I Attempt the Following questions								
-1		Attemp							
-1		-							
·1	a. b.	What is What is	skewness? kurtosis?						
-1	a. b. c.	What is What is What is	skewness? kurtosis? random experiment?						
-1	a. b. c. d.	What is What is What is What is	skewness? kurtosis? random experiment? sample space?	S					
-1	a. b. c. d. e.	What is What is What is What is Write th	skewness? kurtosis? random experiment? sample space? ne formula for probability.	S					
-1	a. b. c. d. e. f.	What is What is What is What is Write th	skewness? kurtosis? random experiment? sample space?	S					
	a. b. c. d. e. f. g.	What is What is What is Write the What is What is What is What is Attemp	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem?	is .					
	a. b. c. d. e. f. g.	What is What is What is Write th What is What is What is Attemp Discuss	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? ot all questions data measurement with e	xample?	6 41				
	a. b. c. d. e. f. g.	What is What is What is Write the What is What is What is Attemp Discuss What is	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? at all questions data measurement with e	xample?	-				
	a. b. c. d. e. f. g.	What is What is What is Write th What is What is Attemp Discuss What is Determine	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? at all questions data measurement with e	xample? os in determining the location of following 8 number 14 12	-				
	a. b. c. d. e. f. g.	What is What is What is Write th What is What is Attemp Discuss What is Determine	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? tall questions data measurement with e percentile? Write the step ine the 30 percentile of the	xample? os in determining the location of following 8 number 14 12	-				
	a. b. c. d. e. f. g.	What is What is What is Write the What is What is Attempoliscuss What is Determined the Mattern well as Attempoliscus what is the Mattempoliscus what is the Mattempoliscus what is the Mattempoliscus well as Attempoliscus well as Mattempoliscus well as	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? ot all questions data measurement with experiment with experiment and percentile? Write the step ine the 30 percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the	xample? os in determining the location e following 8 number 14 12 dlso find range. OR	-				
9-2	a. b. c. d. e. f. g.	What is What is What is Write the What is What is Attemp Discuss What is Determined as Attemp The Mattemp The Matt	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? tall questions data measurement with e percentile? Write the step ine the 30 percentile of the find Q1,Q2,Q3&Q4 and a tall questions e standard deviation of the	xample? os in determining the location e following 8 number 14 12 llso find range. OR e following data:	19 23 5 13 28 17. As				
9-2	a. b. c. d. e. f. g.	What is What is What is Write the What is What is Attempoliscuss What is Determined the Mattern well as Attempoliscus what is the Mattempoliscus what is the Mattempoliscus what is the Mattempoliscus well as Attempoliscus well as Mattempoliscus well as	skewness? kurtosis? random experiment? sample space? ne formula for probability. favourable case? bayes theorem? ot all questions data measurement with experiment with experiment and percentile? Write the step ine the 30 percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the percentile of the find Q1,Q2,Q3&Q4 and a contain the percentile of the	xample? os in determining the location e following 8 number 14 12 dlso find range. OR	-				



Find mean, mean absolute deviation, variance and standard deviation with proper

1

Q-3

125.

Attempt all questions

5, 9,16,,17,18.

formula of given question

(14)

7

				OR								
1	Explain grouped data and ungrouped data with example											
2	Write Note:Bayes	Theorem										
		SEC	CTION	l – II								
	Attempt the Following questions											
	 a. What is coefficient b. What is probabilit c. What is trial? d. What is co-relation e. What do you mean f. Define grouped day g. Define range. 	y? n? n by descriptiv		ics								
1	Attempt all questions A manager has to allocate 3 different jobs to 3 workmen. Depending on the efficiency and the capacity of the individual the times taken by each differ as shown in the table. How should the tasks be assigned one jot to a worker so as to minimize the total manhours?											
				PROJECT								
	PERSON			PROJE	ECT							
	PERSON ADAM BROWN COOPER	1 11 8 9		PROJE 2 14 10 12	ECT	3 6 11 7						
2	ADAM BROWN	11 8 9		2 14 10	ECT	6 11						
2	ADAM BROWN COOPER	11 8 9		2 14 10	99 99	6 11	98	96	95			
2	ADAM BROWN COOPER Find the the corre	11 8 9	ent.	2 14 10 12		6 11 7	98 94	96	95 91			

In a factory there are three machines and they produce respectively 200,300 and 500

units of an item daily. The proportion effectiveness of these machines are 2% 4% and 3% respectively. An item is taken random from the days production and it is found to

2



7

	1	Calculate the population variance and standard deviation of grouped data by original formula of given data.					
		Class interval	Frequency				
		1-3	16				
		3-5	2				
		5-7	3				
		9-11.	9				
Q-6		11-13.	6.				
	2	Write note: Exhaustive event with example					
		OR					
		Attempt all Questions					
	1	Explain different types of data with example.					
	2	What are the different forms of inventory?					

