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Government of India	Accepted Answers:	
/linistry of Human Resource De	b) 6	
	4) The following error metric is used to evaluate surrogates without using a new set of testing 1 points	nt
	\bigcirc a) \mathbb{R}^2	
	b) RMSE	
	Cross validation	
	d) All of the above	
	No, the answer is incorrect.	
	Score: 0	
	Accepted Answers: c) Cross validation	
	5) If the model is nonlinear in terms of independent variable and linear in unknown coefficients 1 <i>poi</i> then the regression model is	nt
	a) Nonlinear regression	
	b) Linear regression	
	C) Need additional information	
	d) a and b	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: b) Linear regression	
	6) Which of the following assumptions are used in linear regression analysis 1 poi	int
	 Observed data points are statistically independent 	
	b) Error at each observed data points is independent	
	C) Errors are described by normal distribution with mean of zero and constant standard	
	deviation d) All of the above	
	No, the answer is incorrect.	
	Accepted Answers: d) All of the above	
	7) In polynomial regression model, the unknown parameters can be determined by the following method	int
	a) Likelihood estimate	
	b) Cross validation	
	C) Least square method	
	d) a and c	
	No, the answer is incorrect.	
	Score: 0	
	Accepted Answers: d) a and c	
	8) In Radial basis function, which of the following is true 1 poi	int

🔵 а)	Form of the basis function will not vary with respect to each data points	3
🔘 b)	Weights at each data points are constant	
О с)	Form of the basis function and weights, both will vary with respect to e	ach data points
🔘 d)	b and c	
No, the ar Score: 0	nswer is incorrect.	
Accepted	Answers:	
a) Form	of the basis function will not vary with respect to each data points	
9) Property	of radial basis function is:	1 point
🔘 a)	Nonlinear in terms of basis function	
🔘 b)	Monotonic variation from the basis centre	
— с)	Linear in terms of basis function	
🔘 d)	b and c	
No, the ar	nswer is incorrect.	
Score: 0		
Accepted d) b and	Answers:	
10As numb	er of data points increase, R^2 metric	1 point
🔘 a)	Increases	
🔘 b)	Decreases	
О с)	Same	
🔘 d)	Cannot say	
No, the ar Score: 0	nswer is incorrect.	
Accepted	Answers:	
a) Increa	ases	
Pre	evious Page	End