	Robotics
1-	In robotics low level control, every request must eventually be satisfied ensure
	- Deadlock free
	- Safety
	- Fast-response
2	- Liveness
2-	In robotics low level control, It's necessary to run commands and tasks of sensors
	reading with no delay T
	- I - F
3-	Very high values of the proportional gain cause controller to work like an on/off
,	open source controller with an oscillating response.
	- T
	- F
4-	Remove duplicated detection windows of the same object we use
	- Non-maxima suppression
	- Post prepare
	- Overlap ratio
	- Thresholding
5-	In machine learning resting phase, it estimates function by minimizing the predicted
	error on the input set.
	- T - F
6	- r Made by cavity and conductive free mass
0-	- Tilt
7-	Feedback control system works on minimizing differences current state and goal
	state of system called
	- Error
8-	SVM tries to between positive and negative training examples.
	- Maximize the support vector
	- Maximize the margin
	- Maximize the height
	- Maximize the quadratic optimization
9-	Color based appearance description can be sensitive to illumination.
	- T
10	- F
TO.	can be used for indoor localization (i.e. determining position).

- WiFi fingerprinting

GPSADCDAC

We evaluate the accuracy of any tagger using tagged data. الإجابة
O True
False
Recall represents the fraction of relevant documents that were retrieved. • True • False
To solve the problem of zero probability in N-gram, we
use
الإجابة
Statistics
Perplexity
Smoothing
Sensitivity
How many end tokens are added in Bi-gram?
الإجابة
O 2
⊕ 1
O 3

How many start tokens <s> are added in 5-gram?</s>
الإجابة
0 2
01
03
a 4
N-gram approach is used as a rule-based POS tagging method.
● F
OT
Maximum Entropy tagging is a stochastic tagging approach الإجابة
False
O True
Only searches for trees that can be answers.
الإجابة
Top down parsing
Bottom-up Parsing
Jelinek-Mercer performs better on large training sets. الإجابة
O True
False

Distributed systems

is a modular unit with well-defined require	d and
provided interfaces that is replaceable within its	G mic
environment.	
الإجابة	
Architectural Style	
Component	
Software Architecture	
O Connector	
O Connector	
is the activity of restoring the state of an o	biect
	ojece
or a set of objects from their serialized form. الإجابة	
Description	
○ Marshalling	
 Serialization 	
Unmarshalling	
Multi-tiered client server architectures are examp	ole for
الإحاية	
Vertical Distribution	
Peer-to-peer	
Diagonal Distribution	

The users of distributed systems to	hink they are dealing
with a single system	
الإجابة	
○ False	
True	
UDP communication protocol offers	
○ Flow control	
fast communication	
Ordered delivery	
Delivery guarantee	
In RPC model, the sele stub procedures according to the in the request message.	
stub procedures according to th	
stub procedures according to the in the request message. װְּבְּשִׁשׁ dispatcher	e procedure identifier
stub procedures according to the in the request message. الإجابة dispatcher server stub preedure	e procedure identifier
stub procedures according to the in the request message. الإجابة dispatcher server stub procedure client stub procedure service procedure enable local object to involution	e procedure identifie
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stub procedures according to the in the request message. الإجابة dispatcher server stub procedure client stub procedure service procedure enable local object to involvesiding on a remote computer. الإجابة	e procedure identifie
stub procedures according to the in the request message. الإجابة dispatcher server stub procedure client stub procedure service procedure enable local object to involvesiding on a remote computer. الإجابة RPC	e procedure identifier

A whole nested transaction should exhibit
○ MOM
O DHT
O RFID
® ACID
Which of the following is incorrect about request-reply
protocols based communication? الإجابة
Acknowledgments are not required
Designed to support client-server communication
Flow control is not needed
Designed to support peer-to-peer communication
means the sender and receivers need not to exist at the same time to communicate الإجابة
Space Uncoupling
Time Coupling
Time Uncoupling
Space Coupling

Which of the following is True about UDP?	
R	eliable
M	lessage oriented
0 C	onnection-Oriented
00	Congestion control
	rue False
cal	الإجاد class who receives the notification is الإجاد All of the above
	Publisher Subscriber
0	Publisher