**MACHINE LEARNING**

Which of the following is a widely used and effective machine learning algorithm based on the idea of bagging?

1. Decision Tree
2. Regression
3. Classification
4. **Random Forest** - answer

Which of the following is a disadvantage of decision trees?

1. Factor analysis
2. Decision trees are robust to outliers
3. **Decision trees are prone to be overfit** - answer
4. None of the above

 Which of the following are ML methods?

A. **based on human supervision** - answer  
B. supervised Learning  
C. semi-reinforcement Learning  
D. All of the above

Which of the following is NOT supervised learning?

a) **PCA**

b) Decision Tree

c) Linear Regression

d) Naive Bayesian

Which of the following sentence is FALSE regarding regression?

(A) It relates inputs to outputs.

(B) It is used for prediction.

(C) It may be used for interpretation.

(D) **It discovers causal relationships.**

Choose the option that is incorrect regarding machine learning (ML) and artificial intelligence (AI).

(A) ML is an alternate way of programming intelligent machines.

(B) **ML and AI have very different goals.**

(C) ML is a set of techniques that turns a dataset into a software.

(D) AI is a software that can emulate the human mind.

Gradient of a continuous and differentiable function

(A) **is zero at a minimum**

(B) is non-zero at a maximum

(C) **is zero at a saddle point**

(D) **decreases as you get closer to the minimum**

K-fold cross-validation is

(A) **linear in K**

(B) quadratic in K

(C) cubic in K

(D) exponential in K

**GENERAL KNOWLEDGE**

 Vijayalakshmi Pandit was ----------.

* the first women minister of an Indian state (UP)
* the first women to become president of the UN General Assembly
* the first Indian women Ambassador to Moscow
* **All of the above**

Tripura is surrounded by \_\_\_\_ in the east

* Assam
* **Mizoram**
* both (a) and (b)
* Bangladesh

The unit of energy in the MKS system is ----------.

* volt
* erg
* ohm
* **joule**

Water is a good solvent of ionic salts because of ------------.

* it has a high boiling point
* **it has a high dipole moment**
* it has a high specific heat
* it has no colour

Which Indian has been recently awarded the Tyler Prize for Environmental Achievement?

* Medha Bhatkar
* **Pavan Sukhdev**
* Sunita Narain
* Shangnaidar Tontag

Which national park in India has set up the country’s first quarantine facility for animals?

* **Jim Corbett Park**
* Kaziranga National Park
* Gir Forest National Park
* Ranthambore National Park

 Which is the highest literary award in the world?

* Nobel Prize
* **Booker Prize**
* Pulitzer Prize
* Magsaysay Award

**TECHNOLOGY RELATED QUESTIONS**

Which technology company has recently launched the new version of its ‘Edge Chromium’ browser for both Mac and Windows platforms?

* Apple
* Windows
* **Microsoft**
* Mozilla

Pragati’ is a Corporate Social Responsibility (CSR) initiative of which technological company in India?

* Google
* Amazon
* **Facebook**
* Microsoft

‘Nearby Spot’ is an initiative of which technological firm, to provide information on locating local stores that sells essential things?

* Facebook
* **Google**
* Amazon
* Apple

Which technology company has launched a platform for small enterprises in India, to enter into digital ecosystem?

* Amazon
* **Google**
* Microsoft
* IBM

Which technology company has partnered with Prasar Bharati for AI-enabled Independence Day celebration?

* Microsoft
* **Google**
* Facebook
* Twitter

Scientists of which organization have discovered UV rays originating from a galaxy named AUDFs01?

* ISRO
* NASA
* **IUCAA**
* European Space Agency

What is the name of the illegal software that has been blocked by Railway Protection Force (RPF) of Indian Railways?

* Tik-Tok
* Pub-G
* **Real-Mango**
* Real Apple

Which company has signed a deal with TikTok to be a trusted technology provider in USA?

* Microsoft
* Adobe
* **Oracle**
* HP

**APP DEVELOPMENT RELATED QUESTIONS**

What is the application class in android?

[A - A class that can create only an object](javascript:void(0);)

[B - Anonymous class](javascript:void(0);)

[C - Java class](javascript:void(0);)

[D - **Base class for all classes**](javascript:void(0);)

What is a GCM in android?

A **- Goggle Could Messaging for chrome**

[B - Goggle Count Messaging](javascript:void(0);)

[C - Goggle Message pack](javascript:void(0);)

[D - None of the above](javascript:void(0);)

What is the use of content provider in android?

[A - To send the data from an application to another application](javascript:void(0);)

[B - To store the data in a database](javascript:void(0);)

C - **To share the data between applications**

[D - None of the above.](javascript:void(0);)

Android is licensed under which open source licensing license?

  A. Gnu's GPL

  B. **Apache/MIT**

  C. OSS

  D. Sourceforge

What was the first phone released that ran the Android OS?

  A. Google gPhone

  B. **T-Mobile G1**

  C. Motorola Droid

  D. HTC Hero

When did Google purchase Android?

  A. 2007

  B. **2005**

  C. 2008

  D. 2010

What operating system is used as the base of the Android stack?

  A. **Linux**

  B. Windows

  C. Java

  D. XML

What does the .apk extension stand for?

  A. **Application Package**

  B. Application Program Kit

  C. Android Proprietary Kit

  D. Android Package