

# VIJETA CHECKLIST MAINS



**CHECKLIST 105**

**NIMISHA BANSAL**

**Direction (1-10):** The passage given below contains some blanks wherein the words have been removed. Find the word from the given options that is suitable for each blank and mark that as your answer.

The \_\_\_\_\_(A) of artificial intelligence (AI) has led to significant advancements in various industries. AI technologies such as machine learning and natural language processing have transformed the way we interact with computers and devices. However, there are several \_\_\_\_\_(B) that need to be addressed to fully harness the potential of AI. One of the key challenges in AI is \_\_\_\_\_(C) large amounts of data. AI algorithms require vast datasets for training and learning patterns. Obtaining high-quality and \_\_\_\_\_(D) datasets can be a time-consuming and expensive process. Data privacy and security also pose concerns when dealing with sensitive information.

Another major obstacle is the \_\_\_\_\_(E) of AI algorithms. Developing complex AI models requires expertise in mathematics, statistics, and computer science. Skilled AI professionals are in high demand, and there is a shortage of talent in the field. Efforts are being made to bridge this gap through educational programs and training initiatives.

Furthermore, AI systems often lack \_\_\_\_\_(F) and transparency. Black box algorithms, where the decision-making process is not easily interpretable, raise ethical concerns. It is essential to develop AI models that can explain their reasoning and provide insights into their decision-making process.

The \_\_\_\_\_(G) of AI bias is also a significant issue. AI systems are trained on historical data, which can reflect societal biases and prejudices. This can result in biased outcomes and discriminatory practices. Fairness and accountability in AI algorithms are crucial to ensure unbiased and ethical decision-making.

Moreover, AI technologies raise \_\_\_\_\_(H) questions about job displacement. Automation and AI-driven systems have the potential to replace human workers in certain tasks and industries. This raises concerns about job security and the need for reskilling and upskilling the workforce.

Additionally, there are legal and \_\_\_\_\_(I) challenges surrounding AI. Intellectual property rights, liability, and privacy laws need to be adapted to the evolving AI landscape. Regulations and policies are being developed to address these issues and ensure responsible AI deployment.

Finally, the \_\_\_\_\_(J) of AI systems in critical domains such as healthcare and finance poses challenges. AI models need to be reliable, robust, and free from biases when making important decisions that impact human lives and livelihoods. Rigorous testing, validation, and ethical considerations are essential in these contexts.

**Question 1:**

Which of the following appropriately fits in **Option A**?

- (a) assortment
- (b) advancement
- (c) contentment
- (d) explanation
- (e) None of the above

**Question 2:**

Which of the following appropriately fits in **Option B**?

- (a) limitations
- (b) representatives
- (c) agitations
- (d) composesures
- (e) None of the above

**Question 3:**

Which of the following appropriately fits in **Option C**?

- (a) urging
- (b) collapsing
- (c) processing
- (d) digging
- (e) None of the above

**Question 4:**

Which of the following appropriately fits in **Option D**?

- (a) scarce
- (b) inadequate
- (c) abundant
- (d) comprehensive
- (e) None of the above

**Question 5:**

Which of the following appropriately fits in **Option E**?

- (a) expertise
- (b) shortage
- (c) accessibility
- (d) diligence
- (e) None of the above

**Question 6:**

Which of the following appropriately fits in **Option F**?

- (a) interpretability
- (b) sufficiencies
- (c) indignations
- (d) resoluteness
- (e) None of the above

**Question 7:**

Which of the following appropriately fits in **Option G**?

- (a) glorification
- (b) internment
- (c) impertinence

- (d) prevalence
- (e) None of the above

**Question 8:**

Which of the following appropriately fits in **Option H**?

- (a) flexible
- (b) ardent
- (c) economic
- (d) steady
- (e) None of the above

**Question 9:**

Which of the following appropriately fits in **Option I**?

- (a) regulatory
- (b) elementary
- (c) prosaic
- (d) fervent
- (e) None of the above

**Question 10:**

Which of the following appropriately fits in **Option J**?

- (a) hush
- (b) deployment
- (c) stimulation
- (d) departure
- (e) None of the above

## **ANSWER**

**1.Ans: b**

**Explanation:** We need a noun to be modified by the definite article "The". The sentence seeks to convey that the development of artificial intelligence (AI) has brought major progress across many industries. **Advancement** (development) will fit here. Thus, b is the right answer.

The other options are contextually incorrect:

**Assortment:** A variety or collection of different types of things.

**Contentment:** A state of satisfaction or happiness with what one has.

**Explanation:** a statement or account that makes something clear.

**2.Ans: a**

**Explanation:** The blank requires a word that refers to the challenges or drawbacks associated with AI. Among the options, "Limitations" best fits the context, as it indicates the existing hurdles that need to be addressed.

The other options are inappropriate with the context.

**Representatives:** People chosen or appointed to act or speak on behalf of others.

**Agitations:** States of nervousness, unrest, or public protest; efforts to stir up public concern or action.

**Composures:** States of calmness, self-control, and mental or emotional stability.

**3.Ans: c**

**Explanation:** We need the present participle form of a verb to fit in the present continuous tense construction "is+verb". The sentence seeks to convey how a major challenge in AI is handling vast amounts of data efficiently. **PROCESSING** (handling) will fit here.

The other options are contextually incorrect:

**Urging:** Strongly encouraging or persuading someone to take action.

**Collapsing:** Falling down or failing suddenly and completely, often due to weakness or pressure.

**Digging:** Breaking or turning up the ground, or searching deeply for information or something hidden.

4. **Ans: d**

**Explanation:** The blank requires a word that describes the quality of datasets used in AI. Among the options, "Comprehensive" (option D) best fits the context, as it suggests that high-quality datasets are required for effective AI algorithms.

The other options do not align with the context:

**Scarce:** In short supply; not enough of something available.

**Inadequate:** Insufficient; not enough to meet the required needs or standards.

**Abundant:** Present in large quantities; more than enough.

5. **Ans: b**

**Explanation:** The blank requires a word that describes the scarcity or lack of something in the context of AI. "Shortage" appropriately conveys the idea that there is a lack of skilled AI professionals.

The other options do not align with the context:

**Expertise:** Specialised skill or knowledge in a particular field.

**Accessibility:** The quality of being easy to reach, obtain, or use.

**Diligence:** Careful and persistent effort or work.

6. **Ans: a**

**Explanation:** The blank requires a word that describes the lack of transparency in AI systems. "Interpretability" is the most appropriate choice, as it refers to the ability to understand and interpret the decision-making process of AI models.

The other options do not align with the context:

**Sufficiencies:** Adequate amounts or levels of something needed; enough to meet requirements.

**Indignations:** Strong feelings of anger or displeasure in response to perceived unfairness or injustice.

**Resoluteness:** Firm determination and commitment to a purpose or course of action.

7. **Ans: d**

**Explanation:** The blank requires a word that describes the issue of bias in AI systems. "Prevalence" is the most suitable option, as it suggests the widespread occurrence of bias in AI algorithms due to training on biased data.

The other options do not align with the context:

**Glorification:** The act of praising or honoring someone or something, often excessively or to an exaggerated degree.

**Internment:** The act of confining or imprisoning someone, especially during wartime or for political reasons.

**Impertinence:** Lack of respect or rudeness, often in a way that is inappropriate or bold.

8. **Ans: c**

**Explanation:** The blank requires a word that describes the concerns regarding job displacement due to AI. "Economic" best fits the context, as it relates to the potential impact on jobs and the economy.

The other options do not align with the context:

**Flexible:** Able to adapt easily to changes or adjust to different situations; not rigid.

**Ardent:** Passionate, enthusiastic, or having intense feelings about something.

**Steady:** Consistent, reliable, and not easily shaken or changed.

9. **Ans: a**

**Explanation:** The blank requires a word that describes the legal and administrative challenges associated with AI. "Regulatory" is the most appropriate choice, as it refers to the need for regulations and laws to address the issues surrounding AI.

The other options do not align with the context:

**Elementary:** Basic or simple; relating to the fundamental or first principles of something.

**Prosaic:** Dull, unimaginative, or lacking in excitement; ordinary.

**Fervent:** Intensely passionate, enthusiastic, or having strong feelings about something.

10. **Ans: b**



**Explanation:** The blank requires a word that describes the utilisation or use of AI systems in critical domains. “Deployment” will fit to convey the idea of putting AI systems into action in real-world scenarios.

The other options do not align with the context:

**Hush:** Silence or quietness; a state of calm without noise.

**Stimulation:** Encouragement of activity, interest, or energy; something that arouses excitement or motivation.

**Departure:** The act of leaving or going away from a place.

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