LITERA VALLEY SCHOOL, PATNA
PERIODIC TEST- 2 (2025-26)
CLASS- IX
SUBJECT- ARTIFICIAL INTELLIGENCE

DURATION: 40 minutes   **MAXIMUM MARKS:20**
General Instruction: All questions are compulsory.

Multiple Choice Questions: -   **0.5 x 10 = 5**

Q.1 Generative AI can create
    a. Text   b. Images   c. Videos   d. All of them

Q.2 Components of Generative Adversial Networks (GANs) are?
    a. Generators & Discriminators   b. Encoder & Decoder
    c. Painter & Viewer   d. Player & Opponent

Q.3 Which type of Generative AI learns from text data to create new text?
    a. GANs   b. Transformer   c. VAEs   d. Diffusion Model

Q.4 Sundar Pichai, CEO of Google Inc, belongs to the category of?
    a. Businessman b. Entrepreneur   c. Employee   d. Owner

Q.5 Most important aspect of Entrepreneur development process is .
    a. Fund (Money) b. Launch of product/service c. Planning   d. Business Idea

Q.6 What is the aim of Entrepreneurship.
    a. Solving problem innovatively b. Earn a Profit   c. Both   d. None

Q.7 Coal, Oil and natural gas are collectively known as
    a. Renewable   b. Exhaustible c. Non-renewable   d. Non-Exhaustible

Q.8 A _____ is an economic system that is compatible with the natural environment while considering the social issues.
    a. Controlled Economy b. Open Economy   c. Green Economy   d. Social Economy

Questions No-11 & 12 are Assertion and Reason types. Each question consists of two statements, namely, Assertion (A) and Reason (R). Select the most suitable option considering the Assertion & Reason.

(a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
(b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
(c) Assertion (A) is true and Reason (R) is false (or partially false).
(d) Assertion (A) is false and Reason (R) is true.

Q. 9. Assertion (A): Ethical concerns of Generative AI include bias in data.
    Reason (R): If AI is trained on biased data, it can produce biased content.
Q.10. Assertion (A): Entrepreneurship is about solving a problem or filling a gap.
    Reason (R): Customers pay for this solution and not for the flashy products.

Very Short Answer Type Questions:-   **1 x 5 = 5**

Q.11 Riya uses AI to create realistic videos where people appear to say things they never did. Can you name the technology Riya is using?

Q.12 Ayush is using a Generative AI tool that claims to work by compressing data into smaller bits and then reconstruct it. Can you identify which type of Generative AI is he using?

Q.13 Ansh wants to become an entrepreneur. Can you give him at least two characteristics of an entrepreneur?

Q.14.Heera understands benefits of forest conservation. But he does not know how to do it. Please suggest him at least two methods of forest conservation apart from planting trees.

Q.15 Reducing carbon footprint is now compulsory for everyone. Suggest the society any two steps to reduce carbon footprint.

Short Answer Type Questions:-(Any 2)   **2 × 2 = 4**

Q.16 Sanya is learning about Generative AI. But she has problems in understanding its types. Can you explain any two types of Generative AI?

Q.17 Amir is not aware of Green Skills. Describe him at least two activities of Green skills for sustainable development.

Q.18 Mayank learnt the 3 R's of conserving natural resources. Give him one example of each of the R's?

Long Answer Type Questions:- (Any 2)   **3 × 2 = 6**

Q.19 Write benefits and limitations of Generative AI.
Q.20 Explain different ethical concerns of Generative AI.
Q.21 What do you mean by Green Economy? Describe the elements of Green Economy