Periodic Test – 1 Session - 2023-24

Class-IX

Subject-Artificial Intelligence (417)

Time : 90 Min   MM-40

SECTION (A)

(Multiple Choice Questions 12x1=12marks)

ANSWER ALL QUESTION

1. _____ includes pointing, using our hands and moving when speaking.

a. Posture

b. Gestures

c. Facial Expression

d. Space

2. Strong emotions, such as delight, surprise, wrath, or pain, are expressed using _____ words. They are punctuated by an exclamation mark at the end.

a. Article

b. Conjunctions

c. Prepositions

d. Interjection

3. Helping a friend or negotiation with a shopkeeper to overcome from stress due to exam.

a. Influence Communication

b. Inform Communication

c. Express feeling

d. None of the above

4. Communication is defined as the _____ exchange of information, or the giving and receiving of information.

a. two-way communication

b. one-way communication

c. no way communication

d. three-way communication

5. When the team wins a competition, congratulate them on their accomplishments. When the team loses a tournament, articulate learning.

a. Appreciate achievements & accept failures

b. Have a goal and take steps towards it

c. Always look at the good side and be happy

d. None of the above

6. If you are aware of your own values, likes, dislikes, strengths, and shortcomings as an individual. It denotes the fact that you are _____.

a. Self-Confident

b. Self-Control

c. Self Motivated

d. Self-Aware

7. Which of the following is a positive thinking example?

a. Overcoming challenges

b. Making you do well or making you an energetic individual

c. Helping you get better at work

d. All of the above

8. What does NLP stand for in AI?

a. Neutral Learning Projection

b. Neuro-Linguistic Programming

c. Natural Language Processing

d. Neural Logic Presentation

9. Self-driving automobiles are built using artificial intelligence. To drive the vehicle, AI can be combined with the_____.

a. Camera   b. Radar

c. GPS & Control Signals   d. All of the above

10.The ability related to communicate with others by understanding other people's feelings & influence of the person is known as

(a) naturalist intelligence

(b) interpersonal intelligence

(c) existenital intelligence

(d) kineasthetic intelligence

11. Self-driving automobiles are built using artificial intelligence. To drive the vehicle, AI can be combined with the_____.

a. Camera   b. Radar

c. GPS & Control Signals   d. All of the above

12. Self management skills abilities include the _____.

a. Self motivation & Positive thinking

b. Self confidence & Problem solving

c. Self awareness & Self control

d. All of the above

Section (B) Competency Based Questions(12x1=12marks)

ANSWER ALL QUESTION

13. Mr. Rahul Patel, a computer science teacher at Kendriya Vidyalaya, has developed an educational humanoid namely Shalu, which can converse in 47 languages. Which AI technology helps Shalu, the robot, converse with humans?

(a) NLP

(b) Computer Vision

(c) ML

(d) Data Science

14. Choose the AI applications among the ones given below:

(i) Gmail uses smart compose features that can help you type emails faster as it offers suggestions for words and phrases as you type.

(ii) Websites make use of a software that simulates human like conversations with users via text messages on chat.

(iii) Soap dispensers use infrared sensors with which when hands are placed in the proximity of the sensor, dispense the designed amount of soap.

(iv) Face recognition technology that identifies and verifies a person's facial features and automatically marks attendance.

a. (i), (ii) and (iv)

b. (i), (ii) and (iii)

c. (ii), (iii) and (iv)

d. (i), (iii) and (iv)

15. After a long wait, now your father has decided to renovate your house. You want that your new house should be a smart home. Which of the following will make your house a smart home?

(a) Smart sensors and burglar alarms

(b) Smart lights

(c) Smart Refrigerator

(d) All of the above

16. The Government has decided to use AI's Computer Vision technology to asses satellite imagery to study living and wealth conditions of people and to analyse individual random pictures of residents of that area to detect malnutrition. All this is being done for achieving an SDG. Which of the following could it be?

(a) Decent work and economic growth

(b) Reduced Inequalities

(c) Responsible Consumption and Production

(d) No Poverty

17. A _____ is a flexible house setup in which appliances and devices may be managed remotely using a mobile or other networked device from anywhere with an internet connection.

a. Smart Home

b. Smart City

c. Smart Class

d. None of the above

18. Prepared under the guidance of Arfa Syed, the hiring policy document also clearly mentions the life skills required alongwith the technical skills. Which of the following life skills, do you think , would be included in the hiring policy of document ?

(a) Critical thinking

(b) Complex problem solving

(c) Analytical thinking and innovaton

(d) All of above

19. Raju is in charge of keeping an eye on the class. He is curious as to why Ramesh is always late. Raju can ask Ramesh which of the following questions?

a. Do you come on time?

b. Are you late?

c. Why are you late every day?

d. Isn't it true that completing your assignment will be easier if you arrive on time?

20. Ramesh is short on time and decides to postpone a work. Which question he ask before ignoring his responsibilities?

a. What is this task?

b. When do you need to finish this task?

c. Is this task important?

d. No need to ask any question.

21. Radha is joining a new school this year. Which of the following questions will help her get to know her new classmates more quickly?

a. How long have you been studying here?

b. Would you like to share my lunch?

c. What do you like to do when you have free time?

d. °All the options are correct

22 Which question should you ask if you don't understand a task you've been given?

a. Where are the reports of this task?

b. Is it possible for you to repeat the instructions for this task?

c. Is it possible for you to give example for this task?

d. Why are you doing this task?

23. Suresh is the youngest employee promoted to a leadership position in quickgo Company.Since this is the first time he's be heading a team , he has been sent for a leadership training. There he was told that effective communication is a key to success. And for communication, he must ensure 7Cs. Which of the following 7cs are they talking about?

(a) Caution, Clear, Concise, Contract, Casual, Commitment, Control

(b) Clear, Correct, Courtesy, Control, Contract, Casual, Commitment, Conclusive

(c) Clear, Concise, Correct, Complete, Coherent, Courteous, Concrete

(d) Clear, Chasing, Contract, Casual, Commitment, Control

24. A lioness died giving birth to its cub. The lion cub was adopted by a herd of sheep. Upon growing up, it started behaving like sheep but was never happy. It never enjoyed its life.

If you are also in similar situation where you feel misfit with environment, people, subject etc., what type of self - management skill you need to develop?

a. Self –Confidence

(b) Self- motivation

(c) Self- awareness

(d) Self-control

Section(C) short answer type questions (4 Q x 2 M = 8 Marks)

ANSWER ALL QUESTION

25. Write down the different types of verbal communication. Give an example for each type?

26. Explain qualities of self – confidence?

27. What are different types of self-management skills?

28. What are the different Applications of Artificial Intelligence?

Section (D) long answer type question (2Q x 4M = 8 Marks)

ANSWER ALL QUESTION

29. What are the three domains of AI? Explain with an example.

30. What is the 7C's of effective Communication? Explain in detail.

OR

What do you mean by SMART goal? Explain in detail.

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