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| | **BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA**<br>**ASSIGNMENT**<br>**CLASS- IX**<br>**SUBJECT- ARIFICIAL INTELLIGENCE(417)** | |
| **Q1.** | **Answer the given questions on Employability Skills** | |
| i. | _____ the work is all about identifying and noting how we spent our time, and analysing how to spend our time effectively. (a) Organising (b) Prioritising (c) Controlling (d) Tracking | |
| ii. | ROM stands for_____<br><br>a. Read only memory　　　　　　　　　　c. Readily available memory<br><br>b. Random access memory　　　　　　　　d. Remember all memory | |
| **Q2.** | **Answer the given 6 questions** | |
| i. | Snapchat filters use _____ and _____ to enhance your selfie with flowers, cat ears etc.<br><br>　a. machine learning and deep learning　　　　c. data and image processing<br>　b. augmented reality and machine learning　　d. NLP and computer vision | |
| ii. | An application lets you search what you see, get things done faster and understand the world around you - using just your camera or a photo, which domain does this app belong to?<br><br>　a. Natural Language Processing　　　c. Computer Vision<br>　b. Data Science　　　　　　　　　　d. Artificial Language Processing | |
| **Q3.** | **Answer the given questions** | |
| i. | We can't make "good" decisions without information. (True/False) | |
| ii. | The _____Sustainable Development Goals (SDGs) were launched at the United Nations Sustainable Development Summit in New York in the year 2015, forming the 2030 Agenda for Sustainable Development. (a) 17 (b) 15 (c) 13 (d) 19 | |
| **Q4.** | | |
| i. | Which of the following is an application of data science? (a) Text summarization (b) Target Advertisements (c) Face lock in smartphones (d) Email filter | |
| ii. | The Indian Government banned a few apps stating – "servers in the hostile nation are receiving and using the acquired data improperly". Which terminology suits best for this action? (a) AI Ethics (b) Data Privacy (c) AI Bias (d) AI Access | |
| **Q5.** | **Answer the given 6 questions** | |
| i. | a) Statment1: The output given by the AI model is known as reality. Statement2:The real scenario is known as Prediction. (a)Both Statement1 and Statement2 are correct (b)Both Statement1 and Statement2 are incorrect (c) Statement1 is correct but Statement2 is incorrect (d) Statement2 is correct but Statement1 is incorrect | |
| ii. | a) Assertion (A)– One can be a good singer while the other can be a great athlete.<br>b) Reason(R) – Humans possess different types of intelligences but at different levels.<br><br>a) Both A and R are correct and R is the correct explanation of A (b) Both A and R are correct but R is not the correct explanation of A (c) A is correct but R is not correct (d) A is not correct but R is correct. | |
| | **SECTION B: SUBJECTIVE TYPE QUESTIONS** | |

| | **Answer the givenquestions on Employability Skills** | |
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| Q6. | What do you mean by Self management? | |
| Q7. | Write four qualities of those person who work independently | |
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| | **Answer the given questions in 20 – 30 words** | |
| Q8. | Rajat has made a model which predicts the performance of Indian Cricket players in upcoming matches. He collected the data of players' performance with respect to stadium, bowlers, opponent team and health. His model works with good accuracy and precision value. Which of the statement given below is incorrect? (a) Data gathered with respect to stadium, bowlers, opponent team and health is known as Testing Data. (b) Data given to an AI model to check accuracy and precision is Testing Data. (c) Training data and testing data are acquired in the Data Acquisition stage. (d) Training data is always larger as compared to testing data. | |
| Q9. | All of us use smartphones. When we install a new app, it asks us for several permissions to access our phone's data in different ways. Why do apps collect such data? | |
| | **Answer the given questions in 50– 80 words each** | |
| Q10. | How mathematics and and AI are Related? List down 2 examples where statistics is being used. | |
| Q11. | Give at least 4 Real life examples of how Generative AI is being used. | |