



Class : IX

Date : 31-07-2024

Duration : 1 hour

Max. Marks : 25

MARKING SCHEME

I. Multiple Choice Questions :

(12 X 1 = 12)

- (1) Which of the following is not a self management skill ?
(a) Rational ability (b) Personal quality (c) **None of these**
- (2) Which of the following shows your ability to participate as a member of a team ?
(a) **interpersonal skill** (b) communication skill (c) none of these
- (3) General feeling of self worth is known as ?
(a) self confidence (b) **self esteem** (c) none of these
- (4) refers to a belief about your own ability to deal with events and challenges.
(a) self confidence (b) **self efficacy** (c) self monitoring
- (5) A technology used in unmanned vehicles like self driving cars and drones is called
(a) hybrid technology (b) **artificial intelligence**
(c) space technology (d) solid state intelligence
- (6) A program that is used to detect unsolicited and unwanted email and prevent those messages from getting to a users inbox.
(a) Auto response (b) **spam filter**
(c) email filter (d) email blocker
- (7) Which of the following companies is working on driverless car ?
(a) **Tesla** (b) ampere
(c) Joule (d) Amazon
- (8) AI has enabled various song and music apps to recommend which of the following to the users ?
(a) best music director (b) **song list based on the user's choice**
(c) duration of a song (d) singer of a song
- (9) Which of the following is not a part of the 4 Ws problem Canvas ?
(a) Who ? (b) Why ? (c) What ? (d) **Which ?**
- (10) The block will help in looking into the situation in which the problem arises, the context of it, and the locations where it is prominent.
(a) What ? (b) **Where ?** (c) Who ? (d) Which ?
- (11) A shows the components and boundaries of a system and the components of the environment at a specific point in time.
(a) choropleth map (b) **system map** (c) concept map (d) mind map
- (12) is the presentation of data in graphical format.
(a) Data exploration (b) **data visualisation** (c) data modelling (d) data presentation

II. Short Answer Type Questions : (Answer any four)

(4 X 2 = 8)

(1) Define self management skills.

Ans. : These are the core skills that govern our attitude and approach towards life. These skills complement variety of other personal and professional skills. These skills makes us self confident when faced with difficult times.

(2) What are the three broad areas influenced by self management skills. Explain any two.

Ans. ; Rational abilities, Personal qualities, Interpersonal skills

Rational abilities : It mean the abilities to understand a problem and then to find a way to effectively solve it.

Personal qualities : It mean personal qualities will be measured.

Interpersonal skills : it include the ability to participate as a member of a team.

(3) Explain spam filter.

Ans. : It is a program that is used to detect unsolicited and unwanted email and prevent those messages from getting to a user's inbox.

(4) Mention and explain any two limitations of AI.

Ans. :

Creative skills ; It will not be able to truly replicate a human's ability to create, invent and be inspiring.

Social Skills : It also find hard to have intercultural sensitivity which is fundamental for successful employees of global companies.

Emotional skills : Ai technology is not close to being able to replicate empathy, adaptability and other emotional skills.able

(5) What is an AI project cycle ? Explain.

Ans. : It is the sequence of phrases that a project goes through from its initiation to its closure.

(6) What is Data visualisation ? Mention two data visualisation techniques.

Ans. : It is the discipline of trying to understand data by placing it in a visual context so that patterns, trends and correlations that might not otherwise be detected can be exposed. It is the presentation of data in graphical format.

III. Long Answer Type Questions : (Answer any two)

(2 X 2.5 = 5)

(1) Explain any three factors building self confidence of a person.

Ans. :

Locus of Control : It is the degree to which you perceive control over a situation being internal or external.

Self efficacy : It refers to a belief about your own ability to deal with events and challenges.

Self esteem : It is your general feeling of self worth.

Self monitoring :

Positive thinking :

(2) How is AI being used in our daily lives ? Explain any three uses.

Ans. :

Siri ; it is popular personal assistant offered by Apple.

Netflix : It is a widely popular content on demand service, that uses predictive technology to offer recommendations on the basis of consumers reaction, interests, choices and behavior.

Smart home devices : AI is used in smart home devices to adjust the temperature and lighting based on our preferences.

Music and Media :

Smartphones :

Online services :

Visual search for buying products :

Fuzzy Logic :

(3) Explain the concept of a system map along with an example.

Ans. : A system map shows the components and boundary of a system and the components of the environment at a point in time. It help us to find relationship between different elements of the problem which we have scoped.

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