Examination Paper Number



देव संस्कृति विश्वविद्यालय

शान्तिकुन्ज, हरिद्वार

आन्तरिक मूल्यांकन परीक्षा - INTERNAL EVALUATION TEST

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लपुत्तरीय A) Short Answer Type		योग/Total
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1		
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परीक्षार्थी के हस्ताबार Signature of student's परीक्षक के हस्ताक्षर Signature of Examiner · Neural networks are used for effective data mining in order to turn raw data into useful information.

. Network Neural networks book for Patterns in large batches of data, allowing businesses to leaven more about their Customers which directs their marketing strategies, increase sales and lower costs.

- · Neural vetworks more data in areas Such as bitinformatics, banking, and retail.
- . Neural networks are applied across many industries and organizations -
- (i) torclassing. ANN, Can effectively forecast without limitations on data because of the modelling ability to extract unseen features and define relationships.
- (ii) Character and image relignifien. Newsal Networks are able to take multifude of influts and holes them in hidden and Complex, non linear relationship. This makes them Perfectly Positioned for Character recognition, such as handwriting.
- (iii) Data mining Neural Networks are used for effective data mining in order to turn row data into useful information.
 - Application areas include system identification and antiol, awarding chemistry, game-playing and decision making, pattern relognition, seaware relognition, medical diagonis, financial applications, visualization and e-mail stam fellening, etc.

Data into a Structure

(0)

Ans 2. Multimedia Databate

- · Multimedia database is the Collection of intervelated multimedia data that includes text, graphics (sketches, drawings), images, animations, video, audio, etc. and have vast amounts of multisource multimedia data.
- · The framework that manages different types of multimedia data which can be stored, delivered and utilized in different ways is known as multimedia database. management System.
- · There are three classes of the multimedia dotatases which includes static media, dynamic media and dimensional media.

Content of multimedia sotabase management system -

- · Media data The actual data refresenting am object.
- · Media format data Information Such as Sampling rate, resolution, encoding Scheme, etc. about the tormat of the media data.
- · Media Keyword data. Keywords description relating to the generation of data. It is also Known as Content descriptive data. Ex- date , time and place of recording. i media feature data. Content defendent data buch as the distribution of colors, kinds of textures and different shales fresent in data.

H APP Gradions

pocuments and record management, knowledge distembation, Education and training, marketing, advertising, entertainment, real-time Control and maniforing, etc.

Ans 1 web Dato Minny

- · web mility can be widely seen as the application of adapted data mining techniques to the web, whereas data mining is defined as the afflication of the algorithm to discover Patterns on mostly structured data.
- . Web mining has a distinctive Property to Provide a set of various data tyles.
- The web has multiple aspects that yield different approaches for the mining brocers, such as web lages Contists of text, web-lages are linked was hyperlinks, and user activity can be manifored was web server logs.

Need of web data mining

- · It enables e commerce to do Personalized marketing, which eventually results in higher trade volumes.
- . Invertinent agencies can use this technology to classify threads and fight
- gt helps to improve the Power of web Search engine by classifying the web documents and identifying the web Pages.

 It is very weful to a Particular website and e-services e.g. landing Page optimization.
- . The fredicting Capability of mining applications can benefit society by identifying

Importance of wet mining

9n this method, only lift of information like wer information, If addresses and sife are available. We can we these information to analyze and gather more information.

· clustering and Categorization

The information containing some conversations or web information like text, image, scrifts and other useful forms are used to cluster and categorize web-lage hells in Page information bases on titles, she litied contents and images available.

· Structured brocesting.

Analysis of usage data will give the companies the information that is required to give an effective Presence to their Cutters.

The information that is gothered may combine mostly and will bride the most valuable informations in online marketing, broducts, Services, etc.

. It is also very imbosfant in the area of Personalization; showing interest tased advertisements of the broducts.

Example
Let's take an example of E-bushess, web mining uncorest real-time e-bushess offerhunifies across geography.

9t fromdes ways to target right custiments and understand their needs and to customize services and strategies in near-or-real-time.

2t web-mining also helps here to known of right products in real time to the right customer.