

SET	A
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INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2023
ARTIFICIAL INTELLIGENCE (CODE 843)

CLASS: XI

Max.Marks: 50

MARKING SCHEME		
QN. NO	VALUE POINTS	MARK S SPLIT UP
	SECTION A	
1.	Answer any 5 out of the given 6 questions on Employability Skills (1 x 5 = 5 marks)	
i.	Horizontal Ruler	1
ii.	Make the document attractive by adding different colours, text styles and text sizes, and by inserting pictures, bulleted lists, tables, shapes and charts Spelling and grammar option use to correct grammar, spelling and language.	1
iii.	Status bar	1
iv.	Save option helps to update the content of the previously saved file, whereas Save As aims to create a copy or save an existing file to a new location with the same name or a different title.	1
v.	a. Spelling and grammar option : F7 b. Find: CTRL+F	1
vi.	LEFT, RIGHT, CENTER, JUSTIFY	1
2.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Alan Turning introduced “Turning Test” for assessment of intelligence. Alan suggested that if humans use accessible information, as well as reason, to solve problems to make decisions – then why can’t it be done with the help of machines?	1
ii.	Machine Learning is a discipline that deals with programming the systems so as to make them automatically learn and improve with experience. Machine Learning is a subset of AI which predicts results based on incoming data	1
iii.	NLP	1
iv.	C. Natural Language Processing	1

v.	A. Grayscale image	1
vi.	DATA	1
3.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	Laptop – Single unit / Single power cable Desktop – Separate units – Monitor, Keyboard, CPU, Mouse / Multiple cables	1
ii.	c. Reinforcement Learning	1
iii.	Rule based Chatbot	1
iv.	b. manticse mensegtation (Semantic Segmentation)	1
v.	d. All of these	1
vi.	disclose their search algorithms	1
4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)	
i.	protection against money laundering	1
ii.	Unstructured data Facebook post can carry anything – text, picture, video, audio etc. It can't have one fixed data type where neither size is fixed not datatype is predefined. Such type of data is known as Unstructured data.	1
iii.	Lidar	1
iv.	b. Natural Language Processing	1
v.	Ethics	1
vi.	AI is basically data + mathematical model + training based on data + predictions.	1
5	Answer any 4 out of the given 5 questions (1 x 4 = 4 marks)	
i.	Artificial Neural Networks (ANN) can be described as layers of software units called neurons (also called node), connected with different neurons in a layered manner. These networks transform data from one neuron to another neuron until they can classify it as an output	1
ii.	A. INPUT B. OUTPUT C. PROGRAM	1
iii.	a. Computer Vision	1
iv.	AMA- Artificial Moral Agents	1

v.	d. All of these	1
	Answer any 7 out of the given 8 questions (2 x 7 = 14 marks)	
6	JOHN MC CARTHY The Science and Engineering of making intelligent machines, especially intelligent Computer programs is Artificial intelligence	1 + 1
7	Definition + Application	1 +1
8	Management jobs cannot be replaced by artificial managers. Human managers have to manage artificial managers. Managing is a very complex task which involves deep understanding of people and communication. Smart tools will help managers become more effective at their job.	2
9	Initial Training Dataset, Test Dataset, Recurating dataset Recurating dataset consists a large assortment of images that can use to make training dataset larger and more diverse	2
10	Explanation	2
11	Any two characteristics	2
12	Definition Robo Ethics & Machine Ethics	1 + 1
13	Any one challenge Any one ethical consideration	1 + 1
	Answer any 3 out of the given 4 questions (3 x 4 = 12 marks)	
14	Differences	4
15	Definition Colour images – 3 channels. Explanation	1 +3
16	Explain 3 nodes – Input/ Hidden/ Output Diagram	3 + 1
17	Reinforcement learning Explanation	1 +3
