LEVEL-3: COMPUTER PROFICIENCY (PRACTICAL) TEST FOR THE POST OF JUNIOR ASSISTANT.

Maximum marks: 40 Time: 90 minutes

This question paper consists of 04 questions. All questions are compulsory.

Question (1). Type the paragraphs in MS Word and do the following: (10 marks)

1) Use font "Times New Roman"
2) Create margin at the top & bottom 1.1 inch and right & left 1.5 inch.
3) Make Drop Cap the first letter of the first paragraph
4) Change font size on 15 points for second paragraph. Font size for all other paras on 12 points
5) Make 2" line spacing for second paragraph. Make 1.5" line spacing for all other paragraphs
6) Highlight the text of the third paragraph in light grey colour
7) Apply number for all paragraphs, except for first paragraph. (2nd paragraph will start with paragraph number '2'
8) Insert watermark "IIITDM" (Layout: Diagonal, Font: Calibri, size: 36, Color: black)
9) Justify alignment.
10) Create page border.

Paragraphs:

Classical music is art music produced or rooted in the traditions of Western music (both liturgical and secular). It encompasses a broad span of time from roughly the 11th century to the present day.

The major time divisions of classical music are as follows: the early music period, which includes the Medieval (500–1400) and the Renaissance (1400–1600) eras; the Common practice period, which includes the Baroque (1600–1750), Classical (1750–1830), and Romantic eras (1804– 1910); and the 20th century (1901–2000) which includes the modern (1890–1930) that overlaps from the late 19th-century, the high modern (mid-20th century), and contemporary or postmodern (1975–present) eras.

European music is largely distinguished from many other non-European and popular musical forms by its system of staff notation, in use since about the 16th century.

Western staff notation is used by composers to prescribe to the performer the pitch, speed, meter, individual rhythms and exact execution of a piece of music.

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Question (2): Create a table in MS-Excel, as at Table-1 and do the following:
(10 marks)

i. Calculate ' % of UG' and ' % of PG' for each department and fill up the answers under the respective columns of the table.

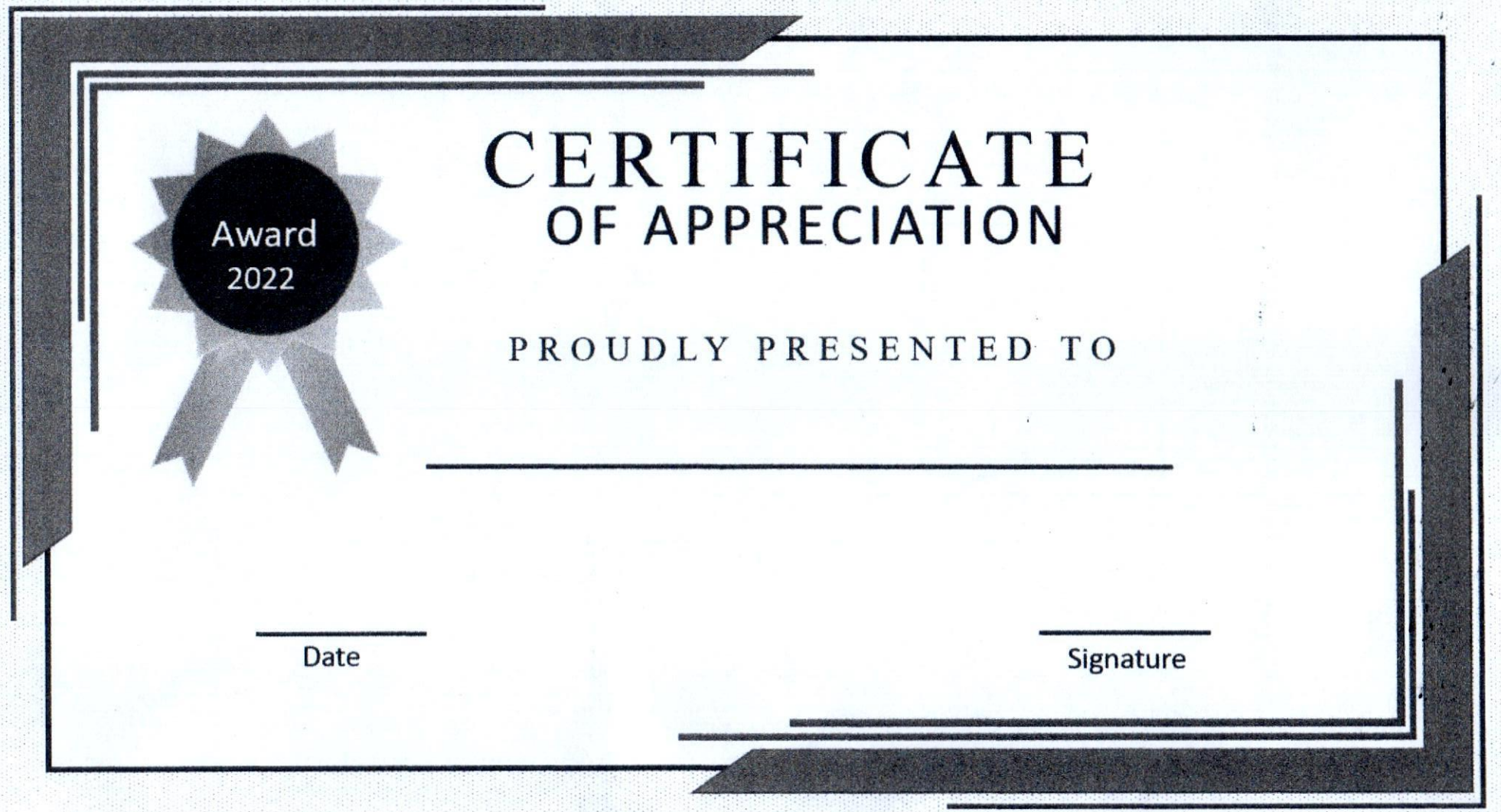
ii. Create a ' 3D Pie Chart ' for department-wise total strength of students. The label of the Department and the value of the students' strength should be indicated inside the Pie Chart.

iii. Create a 'Bar chart' for department-wise number of UG students, number of PG students and total strength of students.

Table-1:

Strength of UG & PG students in the session 2022-23 as on 01st July, 2022					
Department	**Students' strength**			**% of UG**	**% of PG**
	UG	**PG**	**Total**		
Computer Science and Engineering	356	89	445		
Electronics and Communication Engineering	429	121	550		
Mechanical Engineering	441	84	525		
Mathematics	435	145	580		
Physics	405	95	500		

Question (3): Prepare a certificate in MS Power point, as given below: **(10 marks)**



Question (4). Type the following equations in MS-word. (Total: 10 marks)

1) $$C\frac{dv_{out}}{dt} = I_b \tanh\left(\frac{k(V_{in} - V_{out})}{2}\right)$$ (4 marks)

2) $$(x + a)^n = \sum_{k=0}^{n} \binom{n}{k} x^k a^{n-k}$$ (3 marks)

3) $$\int_0^{\pi} X^2 \, Sin\, x \; dx$$ (2 marks)

4) $$Y = \sqrt{\frac{3}{16}} - C^2 - K$$ (1 mark)

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