Faculty of Science and Humanities			
Ramaiah University of Applied Sciences			
Department	Physics	Programme	B. Tech.
Semester/Batch	2nd /2017		
Course Code	BSC102B	Course Title	Engineering Physics
Course Leader(s)	Dr. Suguna M, Dr. Vikas S, Dr. Manjunatha SO, Dr. Ravikumar BS, Dr. Premakumar HB, Dr. Murali K, Dr. Sidling Matteppanavar		

Assignment -02			
Reg. No.		**Name of Student**	

Sections		Marking Scheme	Max Marks	First Examiner Marks	Second Examiner Marks
Part-A	A1.1	Principle of PCFs with schematic diagram	3		
	A1.2	Light guidance mechanism	4		
	A1.3	Discuss any three applications of PCFs	3		
		Part-A1 Max Marks	10		
Part B 1	B1.1	Calculation of the force, lateral strain and work done	5		
	B1.2	Calculation of the time period	5		
		Part-B1 Max Marks	10		
Part B 2	B2.1	Calculation of de Broglie wavelength, V_g and V_p	3		
	B2.1	Justification to the answer	2		
	B2.2	Calculation of wavelength	3		
	B2.3	Calculation of uncertainty in determining the position.	3		
		Part-B2 Max Marks	10		
Part B 3	B3.1	Calculation of Bragg angles	5		
	B3.2	Calculation of density of the material	3		
	B3.3	Specifying the maximum order of diffraction	2		
		Part-B3 Max Marks	10		
Part B 4	B4.1	Calculation of electron density	3		
	B4.2	Determination of mean free path of the electrons	5		
	B4.3	Calculation of magnitude of applied electric field	2		
		Part-B 4 Max Marks	10		
		Total Assignment Marks	50		

Course Marks Tabulation				
Component-1 (B) Assignment	**First Examiner**	**Remarks**	**Moderator**	**Remarks**
A				
B.1				
B.2				
B.3				
B.4				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner **Signature of Moderator**

Faculty of Engineering and Technology			
Ramaiah University of Applied Sciences			
Department	Directorate of Transferable Skills and Leadership Development	Programme	**B. Tech**
Semester/Batch	**II/2018**		
Course Code	**MCC101B**	Course Title	**Technical communication and Soft Skills**
Course Leader(s)	Sneha Shankar		

Assignment -01

Reg.No.		**Name of Student**	

Sections		**Marking Scheme**	**Marks**		
			Max Marks	**First Examiner Marks**	**Moderator**
Part A					
	A.1	Importance of Soft skills	4		
	A.2	Importance of Core listening	4		
	A.3	Justification of stance taken and conclusion	2		
		Part-A Max Marks	**10**		
Part B.1					
	B.1.1	Qualities of a Team worker	5		
	B1.2	Advantages of Team work	5		
		B.1 Max Marks	**10**		

Part B.2	B.2.1	Types of listening	2		
	B 2.2	Barriers of listening	4		
	B 2.4	Importance of listening	4		
		B.2 Max Marks	**10**		
P	a				

	B.3.1	Format of the Email	4		
	B.3.2	Content	4		
	B.3.3	Relevance	2		
		B.3 Max Marks	10		
B.4					
	B.4.1	Content/quality of the slides	3		
	B.4.2	Tone/ Volume/Pitch-Nonverbal	2		
	B.4.3	Presentation skills-Verbal	2		
	B.4.4	Question handling	2		
	B.4.5	Time management	1		
		B.4 Max Marks	**10**		
		Total B4 Marks	**40**		
		Total Assignment Marks	**50**		

Course Marks Tabulation				
Component-1 (B) Assignment	**First Examiner**	**Remarks**	**Moderator**	**Remarks**

A				
B.1				
B.2				
B.3				
B.4				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner **Signature of Moderator**

Faculty of Engineering and Technology			
Ramaiah University of Applied Sciences			
Department	Mechanical and Manufacturing	Programme	B.Tech (CSE, EEE, CE)
Semester/Batch	02/2017		
Course Code	ESC101A	Course Title	Elements of Mechanical Engineering
Course Leader(s)	Mr. Bhargav, Mr. Arun Karthik S, Dr. R. Suresh, Mr. Manjunath Ullegaddi, Mr. Vijay Kumar S, Mr. Pritam Bhat, M.r Sooraj Mohan, Mr. Shrikrishna Badiger		

Assignment -02			
Reg.No.		**Name of Student**	

Sections		Marking Scheme	Marks		
			Max Marks	First Examiner Marks	Moderator
Part A					
	A.1.1	Introduction to different mechanical joints	03		
	A.1.2	Relative Advantages and limitations of permanent and temporary mechanical joints taking one example for each	05		
	A.1.3	Justification and conclusion	02		
		Part-A Max Marks	**10**		
Part B.1					
	B.1.1	Different types of couplings and their applications	04		
	B.1.2	Description of the selected coupling assembly with photo	03		
	B.1.3	Relevance of the coupling for the selected device with Justification	03		
		B.1 Max Marks	**10**		
Part B.2					
	B.2.1	Chain drive selection, working and application	03		
	B.2.2	Illustration of selected chain driven system	03		
	B.2.3	Length of the chain computation	03		
	B.2.4	Verification with the actual length of chain	01		
		B.2 Max Marks	**10**		
Part B.3					
	B.3.1	Data collection of selected sugarcane machine	04		
	B.3.2	Calculation of the speed ratio of the gear	03		
	B.3.4	Illustration of power transmission with sketches/pictures	03		

		B.3 Max Marks	10		
Part B.4					
	B.4.1	Illustration of the selected component	02		
	B.4.2	Functionality of the selected component	02		
	B.4.3	Explanation of operations and their sequence along with the tools/machine required to fabricate the selected component	06		
		B.4 Max Marks	**10**		
		Total Assignment Marks	50		

Course Marks Tabulation

Component-1 (B) Assignment	**First Examiner**	**Remarks**	**Moderator**	**Remarks**
A				
B.1				
B.2				
B.3				
B.4				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner **Signature of Moderator**

Faculty of Engineering and Technology			
Ramaiah University of Applied Sciences			
Department	Mechanical and Manufacturing Engineering	Programme	B. Tech.(All branches)
Semester/Batch	2nd /2017		
Course Code	ESC103A	Course Title	Engineering Drawing
Course Leader(s)	Dr. Murugesh M. C., Dr. Ananth S. Iyengar, Mr. B. U. Balappa, Mr. Arun Karthik S., Mr. Shrikrishna M. Badiger		

Assignment - 02

Reg.No.		**Name of Student**	

Sections		Marking Scheme	Marks		
			Max Marks	First Examiner Marks	Moderator
Part A					
	A.**1**	**Description of the given object**	01		
	A.**2**	**Manual Drawing – Front View, Top View**	05		
	A.**3**	**Manual Drawing – Development**	05		
	A.**4**	**Manual Drawing – preparation of a page of 3D book**	04		
	A.**5**	**AutoCAD – Front View, Top View, True Lengths/Shape**	04		
	A.**6**	**AutoCAD – Development**	04		
	A.**7**	**Labelling and neatness**	02		
		Part-A Max Marks	**25**		
Part B					
	B.**1**	**Description of the selected objects & their arrangement, with images**	03		
	B.**2**	**Manual Drawing – Front View, Top View, True Lengths**	06		
	B.**3**	**Manual Drawing – Development**	06		
	B.**4**	**AutoCAD Drawing – Front View, Top View, True Lengths**	04		
	B.**5**	**AutoCAD Drawing – Development**	04		
	B.**6**	**Labelling and neatness**	02		
		Part-B Max Marks	**25**		
		Total Assignment Marks	**50**		

Course Marks Tabulation				
Component-1 (B) Assignment	**First Examiner**	**Remarks**	**Moderator**	**Remarks**
A				
B				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner **Signature of Moderator**

Faculty of Science and Humanities			
Ramaiah University of Applied Sciences			
Department	Mathematics	Programme	B. Tech.
Semester/Batch	2/2017		
Course Code	BSC104A	Course Title	Engineering Mathematics – 2
Course Leader(s)	Deepak A. S., Chandankumar S., Shekar M., Hemanthkumar B., Sumanth Bharadwaj H.S., Venu K. and Mahadev Channakote		

Assignment – 02			
Reg. No.		**Name of Student**	

Sections		Marking Scheme	Max Marks	First Examiner Marks	Moderator
Part-A	A.1	Description of a model	5		
	A.2	Solution of considered model	4		
	A.3	Comments	1		
		Part-A1 Max Marks	10		
Part B 1	B.1.1	Mathematical model	2		
	B.1.2	Conversion into 2nd order ODE and solution	5		
	B.1.3	Population after 10 years	2		
	B.1.4	Comment	1		
		Part-B1 Max Marks	10		
Part B 2	B.2.1	All possible angular speeds and corresponding deflections $y(x)$	7		
	B.2.2	Plot deflection curves in the given interval	2		
	B.2.3	Comment	1		
		Part-B2 Max Marks	10		
Part B 3	B.3.1	The area of the sector of brake-pad	3		
	B.3.2	MATLAB function using Simpson's $\frac{1}{3}rd$ rule to approximate T	6		
	B.3.3	Comment	1		
		Part-B3 Max Marks	10		
Part B 4	B.4.1	MATLAB functions to fit an exponential curve and parabolic curve	5		
	B.4.2	The moisture content when relative humidity is 1500	2		
	B.4.3	Best fit among exponential and parabolic curve	2		

	B.4.4	**Comment**	1		
		Part-B 4 Max Marks	10		
		Total Assignment Marks	50		

Course Marks Tabulation

Component-1 (B) Assignment	**First Examiner**	**Remarks**	**Moderator**	**Remarks**
A				
B.1				
B.2				
B.3				
B.4				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner **Signature of Moderator**

Faculty of Engineering and Technology			
Department	**Electronic and Communication Engineering**	Programme	**B. Tech. (All branches)**
Semester / Batch	**02/2017**		
Course Code	**ESC102A**	Course Title	**Elements of Electronic Engineering**
Course Teacher	Dr. Christy Bobby / Mr. Ambresh Biradar / Mrs. Soumya Sunny / Mrs. Deepthi / Mr. Bharath Kumara		

Assignment No. 2					
Register No.		Name of Student			
Sections		Marking Scheme	Max Marks	First Examiner Marks	Second Examiner Marks
Part-A	A1.1	Identification of an electronic application where MOSFETs and JFETs can be used	2		
	A1.2	Performance comparison between MOSFETs and JFETs for the identified application.	4		
	A1.3	Conclusion with justification of stance	4		
		Part-A Max Marks	**10**		
Part B 1	**Voltage divider bias circuit**				
	B1.1	Design of voltage divider biasing circuit	4		
	B1.2	Simulation of the designed circuit	3		
	B1.3	DC load line and Q point	3		
		Part B.1 Max Marks	**10**		
Part B 2	**BJT Switch**				
	B2.1	Design of BJT based switching circuit	3		
	B2.2	Simulation of the designed circuit	3		
	B2.3	Determination of the current flowing through the resistors	2		

	B2.4	Specification of the components used	2		
		Part B.2 Max Marks	**10**		
Part B 3	**Waveform Generator**				
	B3.1	Design of the circuit	3		
	B3.2	Calculation of voltage and frequency	2		
	B3.3	Simulation of the circuit	3		
	B3.4	Comparison between theoretical and practical values and comments	2		
		Part B.3 Max Marks	**10**		
Part B 4	**Op-Amp Amplifier**				
	B4.1	Design of the circuit	04		
	B4.2	Calculation of output voltage	02		
	B4.3	Simulation of designed circuit	04		
		Part B.4 Max Marks	**10**		
		Total Assignment Marks	**50**		

Course Marks Tabulation				
Component- CET B Assignment	**First Examiner**	**Remarks**	**Second Examiner**	**Remarks**
A				
B.1				
B.2				
B.3				
B.4				
Marks (Max 50)				
Marks (out of 25)				

Signature of First Examiner Signature of Moderator