MILAGRES COLLEGE

Kallianpur – 576 114, Udupi District, Karnataka

Web: www.milagrescollegekallianpur.edu.in

Email: milagrescollege@gmail.com

Phone: 0820-2580235

Office of the Principal **87626 90235**

Bridge Course 2016-2017

Bridge course First Sem BSC Physics 2016-17

Test → 5th July 2016

1. What is a vector? Give one example. 2 marks
2. What is a scalar? Give one example 2 marks
3. What is scalar product $\vec{A}.\vec{B}$ 2 marks
4. What is vector product $\vec{A} \times \vec{B}$. 2 marks
5. If $\vec{A}=A_1\hat{i}+A_2\hat{j}+A_3\hat{k}$ and $\vec{B}=B_1\hat{i}+B_2\hat{j}+B_3\hat{k}$ what is isA.B ? 2 marks
6. If $\vec{A}=A_1\hat{i}+A_2\hat{j}+A_3\hat{k}$ and $\vec{B}=B_1\hat{i}+B_2\hat{j}+B_3\hat{k}$ What is AXB? 2 marks
7. If A.B is zero what is the angle between the vectors? One mark
8. If AXB is zero what is the angle between the vectors? One mark
9. Write the statements of Newtons laws 3 marks
10. What is Newtons law of gravitation. 2 marks
11. What is work/ What is its unit? 2 marks
12. What is energy? What is its unit? 2 marks
13. What is power? What is its unit? 2 marks
14. What is law of conservation of energy? 2 marks
15. What is law of conservation of momentum? 2 marks
16. Define stress. What is its unit? 2 marks
17. What is strain. Give its unit. 2 marks.
18. State Hookes law. 2 marks
19. Define youngs modulus. What is its unit? 2 marks
20. Convert 25°celsius into kelvin scale. 2 marks
21. What is specific heat? 2 marks
22. What is the heat gained by water when one kg of water at 10°celsius is heated to 100° celsius if the specific heat of water is 4200 J. 2 marks
23. What is isothermal expansion. Give one example. 2 marks
24. What is adiabatic expansion, give one example. 2 marks
25. What is ideal gas equation. One mark
26. Show that $A\frac{dA}{dt}=\vec{A}\cdot\frac{d\vec{A}}{dt}$
27. Write the derivative of $\frac{d}{dt}(\vec{A}\times\vec{B})$

Bridge course First Sem BSC Physics 2015-17

Syllabus

Theory

1. Vectors and scalars, , magnitude of a vector, A.B and A × B
2. Newtons Laws, Law of gravitation, work, power, energy
3. Consevation laws
4. Elasticity: Hooke's law, moduli of elasticity
5. Heat and temparature, scale of temparature, absolute scale , Isothermal and adiabatic processes.
6. Real gas and ideal gas, idal gas equation

7 hours

Practicals

3 hrs + 3hrs

1. Vernier calipers- Least Count, taking reading
2. Screw Gauge- error, L.C, reading
3. Travelling microscope- L.C and reading
4. Spectrometer- L.C, reading, adjustments
5. Polarimeter- L.C and Reading
6. Scientific calculator - use

BRIDGE COURSE

(FIRST DEGREE ONLY)

Attach Syllabus Copy & Question Paper

Question Paper: 50

ROLL NO	NAME	ATTENDANCE 4/7 5/7 5/7 5/7 3/7 2/7 12/7 13/7 15/7 18/7										MARKS	
1	Ambika.	1	2	3	4	5	6	7	8	9	10	09	21
2.	Keerthi Shetty	1	2	3	H	5	6	7	8	9	10	28	30
3.	Megha.	1	2	3	H	5	6	7	8	9	10	22	11
4.	Ramya. H Acharya	1	2	3	H	5	6	7	8	9	10	21	25
5	Shanthi	1	2	3	H	5	6	7	8	9	10	14	25
6.	Ranjan	a	1	2	3	4	5	6	7	8	9	14	17
7	Afiya	a	1	2	3	4	5	6	7	8	9	29	a
8	Arazoo Anjum.	1	2	3	H	5	6	7	8	9	10	21	19
9	Kavya.	1	2	3	H	5	6	7	8	9	10	22	08
10	Priyanka Fathima Lobo.	1	2	3	H	5	6	7	a	8	9	11	13
11	Sofiya D'Souza.	1	2	3	4	5	6	7	8	9	10	11	15
12	Sr. Swathi Jasinta Crasta	1	2	3	H	5	6	7	8	9	10	04	15
13	T Navyashri.	1	2	3	4	5	6	7	8	9	10	13	19
14	Vaishnavi Poojary	1	2	3	4	5	6	7	8	9	10	07	13
15	Vinola Spurthi	1	2	3	4	5	6	7	8	9	10	09	11
16	Brian D'Almeida.	1	2	3	4	5	6	7	8	9	10	18	19
17	Priyanka Kavya Pai	1	2	3	4	5	6	7	8	9	10	28	38
18.	Kiran.	1	2	3	4	5	6	7	8	9	10	09	08
19.	Sonal Johnson Lobo.	1	2	3	4	5	6	a	a	a	7	13	06
20.	Anusha K	a	a	a	a	a	a	1	2	3	a	9	16
21	~~Lavina~~ Sandhya	a	a	a	a	a	a	1	2	3	a	9	01
22	Falah.	a	a	a	a	a	a	1	2	3	4	a	37

Ceed
18.7.2016.

Bridge Course 2017-2018

Class Test - COA

Date: 29/06/17

Marks: 20

1. $(A58F)_{16} = (\ ?\ )_{10}$ — 2M
2. $(11010.11)_2 = (?\ )_{10}$ — 2M
3. Find the sum of 111111 and 111001 — 2M
4. Find the difference if Subtrahend = 01101 and Minuend = 11001 — 2M
5. Multiply 11011 with 1001 — 2M
6. How is decimal 13 written in binary? — 1M
7. Convert $(54.1785)_{10}$ to binary — 3M
8. Convert $(785.193)_8$ to Binary — 2M
9. Convert $(1011001011111,0011100)_2$ to Hexadecimal — 2M
10. Convert $(603.12)_8$ to binary — 2M

BRIDGE COURSE

(FIRST DEGREE ONLY)

Attach Syllabus Copy & Question Paper

Question Paper:

ROLL NO	NAME	ATTENDANCE 24/6	29/6	29/6	MARKS (20)
	BINDU	✓	—	✓	17½
	DEEKSHITHA	✓	—	✓	4½
	MEGHA NAIK	—	—	✓	14½
	MELISHA	✓	✓	✓	9
	NAYANA ACHARYA	—	a	a	a
	RAJESHWARI	✓	✓	✓	4½
	SHARON	—	a	✓	4
	SUSHMA	✓	✓	✓	4½
	AKASH	—	—	—	—
	ASHIK	✓	—	✓	8
	ASHWATH	✓	—	✓	8
	JITESH	✓	—	✓	12
	KARTHIK	✓	—	✓	15½
	NIRIKSHITH	✓	—	✓	5½
	SAGAR V.	✓	—	✓	8½
	SHARVIN	✓	✓	✓	11
	SIDDARTH	✓	✓	✓	6
	BHOOMIKA	✓	✓	✓	3
	CHAITHANYA	✓	✓	✓	12½
	HAFSA	✓	✓	✓	2
	MEGHA	✓	✓	✓	1
	NAYANA	✓	✓	✓	14
	SARAH	✓	✓	✓	7½
	SUPREETHA	✓	✓	✓	12
	TREESHA	✓	✓	✓	7
	AKASH D'SOUZA	✓	✓	✓	12½
	ANSEL	✓	✓	✓	19
	ASIF	✓	✓	✓	15½
	SAGAR S	✓	✓	✓	6½
	STUART	✓	a	a	a
	VIJETH	✓	✓	✓	8
	GOWRISH	✓	✓	✓	3

P.T.O.

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Attach Syllabus Copy & Question Paper

Question Paper:

ROLL NO	NAME	24/6	[illegible]	[illegible]	ATTENDANCE									MARKS
	SHARANYA	✓	✓	✓										7
	AKHILESH	a	✓	✓										3
	KAMKSHI	a	a	a										-
	PRIYANKA	a	a	a										-

Bridge Course 2018-2019

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS: 1 BSc

ROLL NO	NAME	ATTENDANCE 27/6	28/6	3-6	1/7	4/7	MARKS
18601	Anusha	1	2	3	4	5	
18602	Amitha · B · Shetty	1	2	3	4	5	
18603	Ashmitha	1	2	3	4	5	
18604	Ashwini	1	2	3	4	5	
18605	Lavina D'souza	1	2	3	4	5	
18606	Nisha	1	2	3	4	5	
18607	Nisha Acharya	1	2	3	4	5	
18608	Pavithra D'souza M.D	1	2	3	4	5	
18609	Pavithra D'souza L.D	1	2	3	4	5	
18610	Prajwala H. Shetty	1	2	3	4	5	
18611	Prema Poojary	1	2	a	3	4	
18612	Raksha R Bhandary	1	2	3	4	5	
18613	Rakshitha	1	2	3	4	5	
18614	Rakshitha	1	2	3	4	5	
18615	Sahana	1	2	3	4	5	
18616	Sahana	1	2	3	4	5	
18617	Savina	1	2	3	4	5	
18618	Shrithal	1	2	3	4	5	
18619	Shilpa	1	2	3	4	5	
18620	Varshini	1	2	3	4	5	
18621	Adithya Pai	1	2	3	4	5	
18622	Ganesh	1	a	2	3	4	
18623	Nagaraja	1	2	3	4	5	
18624	Pradeep Nayak	1	2	3	4	5	
18625	Rajatha	1	2	3	4	5	
18626	Srinivasa	1	2	3	4	5	
18627	Srujan	a	a	a	a	a	
18628	Steryl George	a	a	a	a	a	

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS: I BSc

ROLL NO	NAME	ATTENDANCE 27/6	28/6	30/6	4/7	4/7					MARKS
18629	Subrahmanya	a	a	a	1	2					
18630	Swasthik	1	2	3	4	5					
18631	Afnan	1	2	3	4	5					
18632	Bareerah Tabassum	1	2	3	4	5					
18633	Deeksha . S. Bangera	1	2	3	4	5					
18634	Hamsa A-R	1	2	3	4	5					
18635	K. Aifa Anjum	1	2	3	4	5					
18636	Pooja	1	2	3	4	5					
18637	Surabhi bhat	1	2	3	4	5					
18638	Zoofisha	1	2	3	4	5					
18639	Deepika	1	2	3	4	5					
18640	Manoj	a	a	1	2	3					
18641	Mohammed Adnan	a	a	a	a	a					
18642	Nagaraj J. Suraina	a	a	a	a	a					
18643	Shashak	1	2	3	4	5					
18644	Shreesha	1	2	3	4	5					
18645	Srajan	1	2	3	4	5					
18646	Sudhindra	a	a	a	a	a					
18647	Fathima Tanisha	a	a	a	a	a					

Bridge Course 2019-2020

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS: I.B.A

ROLL NO	NAME	ATTENDANCE										MARKS
19601	Alvita Stefania	1	2	3	4	5	6	7	8	9	10	16
602	Ambakka	a	a	a	1	2	3	4	5	6	7	08
603	Cecil K	1	2	3	4	5	6	7	8	9	16	12
604	Deboorha wilson	1	2	3	4	5	6	7	8	9	16	11
605	Jyothi	1	2	3	4	5	6	7	8	9	16	08
606	Swarna Pulthiran	1	2	3	4	5	6	7	8	9	16	10
607	Abhishek Rai	a	a	a	a	1	2	3	4	5	6	a
608	Bhimappa Yallappa	1	2	3	4	5	6	7	8	9	16	08
609	Chennappa	1	2	3	4	5	6	7	8	9	16	09
610	Ganesh Kumar	a	a	a	a	1	2	3	4	5	6	a
611	Keerthiraj	a	a	a	a	1	2	3	4	5	6	a
612	Krishna	a	a	a	a	1	2	3	4	5	6	07
613	Milton D'Souza	1	2	3	4	5	6	7	8	9	10	09
614	Nikhil N. Shetty	a	a	a	a	1	2	3	4	5	6	06
615	Rakesh Naik	a	a	a	a	1	2	3	4	5	6	05
616	Ronson Quadros	1	2	3	4	5	6	7	8	9	10	07
617												
618	Anoushka Subramanian	1	2	3	4	5	6	7	8	9	16	10
619	Moksha N. Shetty	1	2	3	4	5	6	7	8	9	16	18
621	Rashmitha K. Mabiyan	1	2	3	4	5	6	7	8	9	16	16
622	Leena D'Souza	1	2	3	4	5	6	7	8	9	10	18
623	Adrian Urban	a	a	a	1	2	3	4	5	6	7	a
624	Ajay	a	a	a	a	1	2	3	4	5	6	a
626	Derick Paul	1	2	3	4	5	6	7	8	9	10	12
627	Franclin Rocky	1	2	3	4	5	6	7	8	9	10	16
628	Jimson Blen	1	2	3	4	5	6	7	8	9	10	18
629	Manjunatha S	1	2	3	4	5	6	7	8	9	16	12
630	Mohd. Sadaf	a	a	a	1	2	3	4	5	6	7	11

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS: I B A

ROLL NO	NAME	ATTENDANCE										MARKS
631	Samson George	a	a	1	2	a	3	a	a	4	5	19
633	Hairl Rovin	a	a	1	2	3	4	a	5	6	2	11
634	Yaseen	a	a	a	a	1	2	3	4	5	6	a
634	Mohd. Suhan	a	a	a	a	1	2	3	4	5	6	a

Bridge Course 2020-2021

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS: I^st BCOM

ROLL NO	NAME	ATTENDANCE										MARKS
		1/7	2/7	4/7	7/7	9/7	14/7	15/7	16/7	18/7	21/7	
20701	Ankitha HA	a	a	a	a	a	a	a	a	a	a	
702	Aswina	1	2	3	4	5	6	7	8	9	10	
	Chaithu	1	2	3	4	5	6	7	8	9	10	
	Chaitra	1	2	3	4	5	6	7	8	9	10	
	Ilan Jahnavi Bhavi	1	2	3	4	5	6	7	8	9	10	
	Aishwarya Bhat	1	2	3	4	5	6	7	8	9	10	
	Keerthana S	1	2	3	4	5	6	7	8	9	10	
	Manjula	1	2	3	4	5	6	7	8	9	10	
	Megha	1	2	3	4	5	6	7	8	9	10	
	Melisha	1	2	3	4	5	6	7	8	9	10	
	Mikitha	1	2	3	4	5	6	7	8	9	10	
	Relisha Rashmi Corda	1	2	a	3	4	a	5	6	7	8	
	Rashmitha	1	2	3	4	5	6	7	8	9	10	
	Saujana	1	2	3	4	5	6	7	8	9	10	
	Sarika	1	2	3	4	5	6	7	8	9	10	
	Shasanya	1	2	3	4	5	6	7	8	9	10	
	Stenita	1	2	3	4	5	6	7	8	9	10	
	Thrisha	1	2	3	4	5	6	7	8	9	10	
	Varshini	1	2	3	4	5	6	7	8	9	10	
	Vidya	1	2	3	4	5	6	7	8	9	10	
	Yakesh BA	1	a	2	3	4	5	a	6	7	8	
	Bharath Acharya	1	2	3	a	4	5	6	7	a	8	
	Devendra	1	2	3	4	5	a	6	7	8	9	
	Joyson	1	2	3	4	5	6	7	8	9	10	
	Mahesh	1	2	a	3	4	a	5	a	6	7	
	Nagaraj	a	1	2	3	4	5	6	7	8	9	
	Mikil	1	2	3	4	5	6	7	8	9	10	
	Preethesh	1	2	3	4	5	6	7	8	9	10	

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS :

ROLL NO	NAME	ATTENDANCE 1/9/20	2/9	4/9	7/9	8/9	10/9	14/9	16/9	18/9	21/9	MARKS
	Rachan	A	1	2	3	4	5	6	7	8	9	
	Rohan R.	1	2	3	4	5	6	7	8	9	10	
	Shratha	1	2	3	A	4	5	6	7	8	9	
	Shishir	1	2	3	4	5	6	7	A	8	9	
	Srikanth	1	A	2	3	4	5	6	7	8	9	
	Vaishak	1	2	3	4	A	5	6	7	8	9	
	Yakshith	1	2	A	3	4	5	A	6	7	A	
	Ayesha	1	2	3	4	5	6	7	8	9	10	
	Deepika	1	2	3	4	5	6	7	8	9	10	
	Fasna Fana	1	A	2	3	4	5	6	7	8	9	
	Elvisha	1	2	3	4	5	6	7	8	9	10	
	Fiona	1	2	3	4	5	6	7	8	9	10	
	Flona	1	2	3	4	5	6	7	8	9	10	
	Jasmitha	1	2	3	4	5	6	7	8	9	10	
	Joslin	1	2	3	4	5	6	7	8	9	10	
	Kalpana	1	2	3	4	5	6	7	8	9	10	
	Gauthami	A	1	A	2	3	A	4	5	A	6	
	Melisha	1	2	3	4	5	6	7	8	9	10	
	Nanditha	1	2	3	4	5	6	7	8	9	10	
	Priya	1	2	3	4	5	6	7	8	9	10	
	Rakshitha	1	2	3	4	5	6	7	8	9	10	
	Sahana	1	2	3	4	5	6	7	8	9	10	
	Sahana Sura	1	2	3	4	5	6	7	8	9	10	
	Saniya	1	2	3	4	5	6	7	8	9	10	
	Sohnesh	1	A	2	3	A	4	5	A	6	7	
	Spoorthi	1	2	3	4	5	6	7	8	9	10	
	Stenita Kotha	1	2	3	4	5	6	7	8	9	10	
	Sruthi	1	2	3	4	5	6	7	8	9	10	

BRIDGE COURSE

(FIRST DEGREE ONLY)

CLASS :

ROLL NO	NAME	ATTENDANCE 1/9 2/9 3/9 4/9 5/9 6/9 7/9 8/9 9/9 10/9 11/9	MARKS
	Archana	1 2 a 3 4 5 6 7 8 9	
	Arushmitha	1 2 3 4 5 6 7 8 9 10	
	Aswabira	1 a 2 3 4 5 a 6 7 8	
	Aaron	1 2 3 a 4 5 6 7 8 9	
	Chris	1 2 3 4 5 6 a 7 8 9	
	Darshan	1 a 2 3 4 5 6 7 8 9	
	Dasharath	1 2 3 a 4 5 6 a 7 8	
	Fahid	1 a 2 3 a 4 a 5 6 7	
	Glen	1 2 3 4 5 a 6 7 8 9	
	Vineeth Rai	1 2 a 3 4 5 6 7 8 9	
	Hemanth	1 a 2 3 a 4 5 6 a 7	
	Mohammed Dhanish	1 2 3 4 5 6 7 8 9 10	
	Mithin Rosar	1 a 2 3 4 5 6 7 8 9	
	Prossly	1 2 3 4 5 6 7 8 9 10	
	Rayan	a 1 a 2 3 a 4 5 a 6	
	Rithesh	1 2 3 4 a 5 6 7 8 9	
	Roshan Shetty	1 a 2 3 4 5 6 a 7 8	
	Shamn	1 2 3 4 5 a 6 7 8 9	
	Sai Kiran	1 2 3 a 4 5 6 7 8 10	
	Sakshith	1 a 2 3 4 5 a 6 7 9	
	Sa Shawn Aarston	1 2 3 a 4 5 6 7 8 9	
	Sheik Afeeb	1 a 2 3 4 5 6 7 a 8	
	Shishir.	1 2 3 a 4 5 a 6 7 8	
	Tejas	1 a 2 3 4 a 5 6 a 7	
	V. M Sufiyan	a 1 2 a 3 4 5 a 6 7	
	Vishwesh	1 2 3 4 5 a 6 7 8 9	
		1	