BRIDGE COURSE- UG (2019-2020)

FIRST SEMESTER B.Sc. ELECTRONICS

13, 14 JUNE 2019

EVALUATION REPORT

SL. NO.	STUDENT NAME	MARK (OUT OF 60)
1	SUDEEP M	52
2	ANTON J MANNUKADAN	56
3	NAIJIL T J	40
4	VISHNU VIJAYAN	44
5	NIKHIL MT	40
6	ARJUN ASHOK	50
7	МЕКНА К М	42
8	SIVAKRISHNA MS	48
9	JOSEPH DOMINI	38
10	ELDHO JOHN	44
11	DIJO JOBI T	50
12	VELMIN VARGHESE K	36
13	SREEKUMAR S	44
14	AMRITHALAKSHMI V P	46
15	NIKHIL E V	38
16	MELVIN MARTIN	34
17	ATHUL AJI	44
18	JANAKI P R	42
19	EMMANUEL K T	28
20	DANIYA C T	40
21	GODSON LAWRENCE	36

ADVANCED LEARNERS	AVERAGE LEARNERS	SLOW LEARNERS	
(SCORE OF 48 AND ABOVE)	(36 AND ABOVE)	(BELOW 36)	
ANTON MANNUKADAN	AMRUTHALAKSHMI V P	MELVIN MARTIN	
SUDEEP M	SREEKUMAR S	EMMANUEL KT	
ARJUN ASHOK	ATHUL AJI		
DIJO JOBI T	VISHNU VIJAYAN		
SIVAKRISHNA MS	ELDHO JOHN		
	JANAKI P R		
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	NAIJIL T J		
	NIKHIL M T		
	GODSON LAWRENCE		
	VELMIN VARGHESE		

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DEPARTMENT OF ELECTRONICS

SYLLABUS FOR BRIDGE COURSE (2019-2020)

NB:

- The syllabus and questions for 'Reasoning & Logical Ability' and 'Communication Skills & Language Aptitude' is attached herewith.
- Each department is requested to complete the syllabus and question paper for the bridge course with questions from respective disciplines and return to the Coordinator of Students' Induction Programme.
- The faculty is requested to maintain the confidentiality of question paper.

Reasoning & Logical Ability

Verbal reasoning, letter and symbol series, verbal classification, logical reasoning etc.

Communication Skills & Language Aptitude

Module I: Communication - introduction - in animals, including human beings.

Human Communication: purpose (ideas, feelings, data...)

Communication: oral, written and visual.

Module II: Oral: way of speech – formal / informal – formal: formal settings (official)- informal: between/among peers.

Written: all forms of writing letters: business, official, minutes, applications, notifications, certificates etc.

Visual: pictures, graphs, charts, signs, hoardings, posters, maps, photographs etc.

Audio-visual: sound and visuals.

Module III: Non-verbal Communication: 1) Body language (emotions, feelings, eye contact, gestures, posture etc.) (2) Paralanguage: pitch, intonation, stress etc.

Syllabus of Core & Complementary Course

Electronics

Introduction to Electronics Applications of electronics in different fields. Understanding of passive components -resistors, capacitors, inductors, Understanding of active components - diodes transistors etc.

Familiarize rectifiers, amplifiers, Basics of logic gates.

Mathematics

Matrices- Definition and examples, Rank of matrix, Singular and non singular matrices,
Characterstic equation: Basic formulas in Differentiation, Application of Differentiation Basic formulas in
Integration, Application of Integration

Physics

Basic concepts of elasticity, Stress, Strain, Elastic moduli (Elementary ideas & Applications) Surface tension and Viscosity (Elementary ideas & Applications). Introduction to Thermodynamics. Thermodynamic processes

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(7)

No of Questions: 30

Reasoning & Logical Ability

Section I

Bridge Course Evaluation 2019-2020

Marks: 60

1. Find the next term of the series 1,5,11,19,	
. $(a)32$ $(b)28$ $(c)29$ $(d)33$. 2. $234 \times 0 \times 11 \times 22 =$	
(a)555 (b)0 (c)310 (d)None of these.	
3. Find the odd one out.	
(a)Rabbit (b) Cat (c)Elephant (d)Deer.	
4. A fruit basket contains more apples than lemons.	
There are more lemons in the basket than there are oranges.	
The basket contains more apples than oranges. If the first two statements are true, the third statement is	
(a) True (b) False (c) Need not be true (d) None of these	
5. Choose an answer based on given information:	
"When they heard news of the hurricane. Maya and Julian decided to chan	ating egylator b.rec
at a family the island beach resort, they booked a room at a family	
more expensive, but they'd heard wonder	ful things about the spa
the reflected to find availability on such short notice	and an angle dood the spa
(a) Maya and Julian take beach vacations every year	
(b) The spa is overpriced.	
(c) It is usually necessary to book at least six months in advance at the spa	
(d) Maya and Julian decided to change their vacation plans because of the6. Which word does NOT belong with the others?	hurricane.
(a) Tyre. (b) Steering wheel (c) Engine (d) Car	
7. Fill the blank in the end of the series.	
FAG. GAF. HAI. IAH.	
(a)JAK. (b) HAL (c) MAN (d) PAQ	
Section II Communication Skills & Language Aptitude (5)	
8is the act of expressing ideas, feelings, and transferring date.	ta to others.
a) music b) communication c) pronunciation d) transformation	on
9. Greetings, chats and casual conversations are generally co	onsidered
communication.	Table 3 In ral 1 7
a) informal b) formal c) official d) structural	
10. The branch of linguistics that comprises the study of the sour	nds of human speech
a) kinetics b) appendix c) cybernetics d) phonetics	
11is the way human body communicates through its phy	
oranges in demeallour.	
a) proxemics b) sign language c) body language d) arbitraring	iess
	01 d 101

	et longt	page to refer to past	and future time is called d) duality	······ 1
12. The particular feata) displacement	b) reflexivity	c) creativity	d) duality	16.5

Questions from Qualifying Course Section III

(10)

- 13. Universal gates are......
- a. AND and NAND gates
- b. NAND and NOR gates

c OR and NOR gates

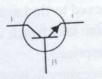
- d. AND and OR gates
- 14. Unit of Capacitor......
- a. Farad
- b. Henry
- c. ohm
- d. coulomb
- 15. Device used for amplification purpose.
- a. LED b. Diode
- c. Transistor
- d. Thermistor
- 16. Application of PN junction diode
- a. voltage regulator
- b. rectifier
- c. amplifier
- d. oscillator
- 17. Draw the correct symbol of transistor?



b.



C.



- 18. Draw the symbol of AND gate?



b.





- 19. Thegate gives a high output only if all its inputs are high.
- OR gate
- b. AND gate
- c. NAND gate
- d. NOR gate

- 20. Unit of Resistor.....
- a. Farad
- b. Henry
- c. ohm
- d. coulomb
- 21.is a passive component.
- a. transistor
 - b. resistor
- c. diode
- d. NOR gate
- 22. Value of milli is
- a: 10 -3
- b. 10⁻³ c. 10⁻⁶
- d. 10²