Course code	Course Name	L-T-P - Credits	Year of Introduction
**352	Comprehensive Examination	0-1-1-2	2016
Prerequisite : Nil			

Course Objectives

- To assess the comprehensive knowledge gained in basic courses relevant to the branch of study
- To comprehend the questions asked and answer them with confidence.

Assessment

Oral examination – To be conducted by the college (@ three students/hour) covering all the courses up to and including V semester– 50 marks

Written examination - To be conducted by the Dept. on the date announced by the University– common to all students of the same branch – objective type (1 hour duration)– 50 multiple choice questions (4 choices) of 1 mark each covering the six common courses of S1&S2 and six branch specific courses listed – questions are set by the University - no negative marks – 50 marks.

Note: Both oral and written examinations are mandatory. But separate minimum marks is not insisted for pass. If a students does not complete any of the two assessments, grade I shall be awarded and the final grade shall be given only after the completion of both the assessments.

The two hours allotted for the course may be used by the students for discussion, practice and for oral assessment.

Expected outcome.

- The students will be confident in discussing the fundamental aspects of any engineering problem/situation and give answers in dealing with them

Est. 2003

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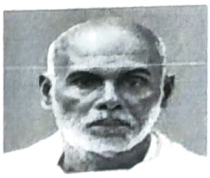
CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



LIST OF STUDENTS ATTENDED COMPREHENSIVE WORK (2020-21)

B-TECH IN CIVIL ENGINEERING		
SL NO:	**REGISTER NO.**	**NAME**
1.	SNC18CE001	ABHIYUKTHA P V
2.	SNC18CE002	ADITHYAN D
3.	SNC18CE003	AKASH ASHOK
4.	SNC18CE004	AKSHAY KRISHNAN
5.	SNC18CE005	AMAL P R
6.	SNC18CE006	AMRITHA A V
7.	SNC18CE007	ANJIMA B P
8.	SNC18CE008	ANUSREE . V
9.	SNC18CE010	ARJUN DEV
10.	SNC18CE011	ARYA RAMESH
11.	SNC18CE012	ASHMITH K . P
12.	SNC18CE013	AYSHA NASREEN
13.	SNC18CE014	DHANUSH C P
14.	SNC18CE015	DRISHYA P V
15.	SNC18CE016	FATHIMATHUL SANA CC
16.	SNC18CE017	HIBA FAROOK AYAR
17.	SNC18CE018	KAVYA MANOJ
18.	SNC18CE019	KIRAN K
19.	SNC18CE020	LAXMI RANJITH
20.	SNC18CE021	MITHUNA V P
21.	SNC18CE022	M JUMANA HASEEN
22.	SNC18CE023	MOHAMMAD SHAZIN SHAN

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23.	SNC18CE024	MOHAMMED MUHSIN T V
24.	SNC18CE025	MOHAMMED NIHAD P VALIYAKATH
25.	SNC18CE026	NANDITHA BABU
26.	SNC18CE027	PRANAV V PRAKASH
27.	SNC18CE028	RAHUL P
28.	SNC18CE029	REVATHI K
29.	SNC18CE030	RIYAZE KHALID K T
30.	SNC18CE031	SAFA AMEER
31.	SNC18CE032	SAFIYATH A P V
32.	SNC18CE033	SAFVAN HARIS
33.	SNC18CE034	SANAGHA
34.	SNC18CE035	SANIKA SUJITH
35.	SNC18CE036	SHAFANA SHAFI
36.	SNC18CE037	SHIFANA MUHAMMED ASHRAF
37.	SNC18CE038	SHIKHIL K K
38.	SNC18CE039	SHIREEN SADIQUE
39.	SNC18CE040	SREEMAI BAIJU
40.	SNC18CE041	SREYA KRISHNA K V
41.	SNC16CE014	FATHIMA ABDUL KAREEM
42.	SNC17CE003	ADARSH S V
43.	SNC17CE012	ANAGHA K
44.	SNC17CE017	ANJANA T
45.	SNC17CE022	AYSHA RIZWANA A K
46.	SNC17CE023	DILSHA M E
47.	SNC17CE025	GOPIKA P.V
48.	SNC17CE040	SHARFANA JAFAR

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B-TECH IN COMPUTER SCIENCE AND ENGINEERING		
1.	SNC18CS001	ADIL BIN ANWAR C P
2.	SNC18CS002	ADITH VINOD
3.	SNC18CS003	AISWARYA SURENDRAN P P
4.	SNC18CS005	AKHIL DAS M V
5.	SNC18CS006	AKSHAYA M K
6.	SNC18CS007	AMITHA RAJAN E V
7.	SNC18CS008	ASEEM AHAMED A K
8.	SNC18CS009	ASHAMOL P R
9.	SNC18CS010	ASISH SURESH
10.	SNC18CS011	BHAVYA . N
11.	SNC18CS012	C ATHIRA
12.	SNC18CS013	FIZA FATHIMA
13.	SNC18CS014	GOKUL RAJ K
14.	SNC18CS015	JITHIN V
15.	SNC18CS016	JYOTHIS R
16.	SNC18CS017	LAVANYA PRASAD
17.	SNC18CS018	MUBASHIRA
18.	SNC18CS019	MUHAMMED NIHAL K V
19.	SNC18CS020	MUHAMMED SHAHIN
20.	SNC18CS021	MUHAMMED SWAFWAN
21.	SNC18CS022	NITHIN RAJ V V
22.	SNC18CS023	PRANAV P N
23.	SNC18CS024	PRANOY PRAMOD
24.	SNC18CS025	P VISHNU
25.	SNC18CS026	RIKITH C K
26.	SNC18CS027	SALMATH SP

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27.	SNC18CS028	SANDRA M
28.	SNC18CS029	SHAMEEM . K . V
29.	SNC18CS030	SHIRIN MUSTHAFA P . P
30.	SNC18CS031	SIDHARTH S BABU
31.	SNC18CS032	SREEHARI . K
32.	SNC18CS033	VISMAYA SREEJITH
33.	SNC18CS034	V V ARWA
34.	STM18CS031	RITHIKA SATHEESH BABU
35.	STM18CS035	SAHIL HEMANTH
36.	LSNC18CS035	ANASWARA RAJAN
37.	SNC17CS001	ABHISHEK N

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B-TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING		
1.	SNC18EC001	APARNA SAJIKUMAR
2.	SNC18EC002	ASWATHI ASHOKAN
3.	SNC18EC003	DHANUSH PUTHALATH
4.	SNC18EC004	HRITHIKA . K . V
5.	SNC18EC005	MABITHA C
6.	SNC18EC006	REMNA P
7.	SNC18EC007	SNEHA SURENDRAN N
8.	LSNC18EC008	VRINDA RAMACHANDRAN . K

B-TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING		
1.	SNC18EE002	ASHWANTH VALSAN M V
2.	SNC18EE003	NIDHIM RAJ P P

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B-TECH IN MECHANICAL ENGINEERING		
1.	SNC18ME001	ABHIRAM M
2.	SNC18ME002	ABHIRAM S
3.	SNC18ME003	ABHISHEK DHANARAJ
4.	SNC18ME005	AFNAN ABDUL NASAR
5.	SNC18ME006	AKASH M
6.	SNC18ME007	AMALJITH PUTHUSSERY
7.	SNC18ME010	ARJUN P. K
8.	SNC18ME011	ARJUN T.P
9.	SNC18ME012	ASWIN O
10.	SNC18ME013	GANESH K V
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15.	SNC18ME021	NIKHIL KRISHNA MV
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18.	SNC18ME025	RAHUL RAVI P M
19.	SNC18ME026	REJIL MANOHARAN
20.	SNC18ME027	VIJIL P
21.	SNC18ME028	VISHNU JAYENDRAN P V
22.	SNC18ME029	VYSHNAV K

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

BATCH (2018-2022)

ROLL NO	REGISTER NO	NAME OF STUDENT
1	SNC18ME001	ABHIRAM M
2	SNC18ME002	ABHIRAM S
3	SNC18ME003	ABHISHEK DHANARAJ
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KANNUR

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST 1

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a) Study of fluid behaviour at rest
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c) Study of fluid behaviour at rest and in motion
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20/25

2. Which of the following is the basic principle of fluid mechanics?
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3. Stress strain curve for cemented tungsten carbide is:
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6. Which of the following is a type of thermodynamic system?
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7. Which of the following occurs without a change in the internal energy?
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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

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SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

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13/25

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Abhiram S
S6

SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST 2

16/20

1. The slope of the surface $z = xe^{-y} + 5y$ in the x-direction at the point (4,0) is

   a) 0 b) -1 c) 1 d) 2

2. The solution of is

   a) $c_1 \cos x + c_2 \sin x$ b) $c_1 e^x + c_2 e^{-x}$ c) $(c_1 + c_2 x)e^x$ d) $(c_1 + c_2 x)e^{-x}$

3. A simple spring mass vibrating system has a natural frequency of N. if the spring stiffness is halved and the mass is doubled then the natural frequency will be

   a) N b) 0.5N c) 2N d) 0.25N

4. The proportion of second moment of area about centroidal axis to second moment of area about base of a rectangle will be

   a) 0.3 b) 0.1 c) 0.25 d) 0.08333

5. An algorithm for scheduling a set of project activities:

   a) Critical Path Method b) Crucial Practicing Method c) Centre Processing Method d) None

6. The fundamental rethinking and radical redesign of the business process to achieve dramatic improvements in critical contemporary measures of performances such as cost,quality,service and speed:

   a) Recycling b) Quality engineering c) Contemporary design d) Re - engineering

7. Composting is

   a) anaerobic degradation b) anaerobic treatment c) aerobic treatment d) an aerobic degradation process

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process for solid waste treatment | for sullage | for sewage | for solid waste treatment

8. The rating system of India which is focussed on conservation and efficient energy use is

a) GRIHA b) LEED India c) IGBC d) BEE

9. In orthographic projection, each projection view represents how many dimensions of an object?

a) 1 b) 2 c) 3 d) 0

10. The front view, side view and top view of a cylinder standing on horizontal plane base on horizontal plane.

a) circle, rectangle and rectangle b) rectangle, rectangle and circle c) rectangle, circle and rectangle d) circle, triangle and triangle

PART B- CORE COURSES

11. Attractive forces between metal ions and delocalized electrons can be weakened or overcome by

a) hammer b) high temperature c) water d) All of above

12. Crystalline solids can be recognized by their

a) low boiling point b) sharp melting point c) colour d) moderate melting point

13. Annealing of steel is done to impart which of the following properties to steel?

a) Hardness b) Toughness c) Ductility d) None of the mentioned

14. Major constituent of the gun metal alloy is

a) Copper b) Nickel c) Iron d) Zinc

15. Which ferrous material doesn't show fatigue limit?

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16. Which of the following methods of melting is not used for melting titanium metal?

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a) Total energy is only pressure energy b) Total energy is only kinetic energy c) Total energy is the sum of kinetic energy and pressure energy d) None of the above

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18. Find the overall efficiency of a turbine if the mechanical efficiency is 80% and hydraulic efficiency is 90%

a) 88 b) 90 c) 72 d) 30

19. In a centrifugal pump casing, the flow of water leaving the impeller is

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20. Hydraulic accumulator is a device used for

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DEPARTMENT OF MECHANICAL ENGINEERING

MOCK TEST 3

1)In a ---------- system,there is no exchange of matter,but the exchange of energy is possible between system and the surrounding

A.isolated

B.closed

C)adiabatic

D)More than one of the above

17/20

2)The efficiency of the Ericsson cycle is.....Carnot cycle

A.Greater than

B.Less than

C.Equal to

D.None of the above

3) Gas laws are applicable to.....

A.Gases as well as vapours

B.Gases alone and not to vapours

C.Gases and steam

D.Gases and vapours under certain conditions

4). General gas equation is.....

A.$PV = nRT$

B.$PV = mRT$

C.$PV^n = C$

D.$C_p - C_v = R/J$

5) Which of the following laws is applicable for the behaviour of perfect gas .....

A.Boyle's law

B.Charle's law

C.Gas-Lussac law

D.All of the above

6)When a body floating in a liquid, is displaced slightly, it oscillates about

A. C.G. of body

B. Center of pressure

C. Center of buoyancy

D. Metacentre

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7) The pressure of the liquid flowing through the divergent portion of a Venturimeter
A. Remains constant

B. Increases

C. Decreases

D. Depends upon mass of liquid

8)When the Mach number is between _____ the flow is called super-sonic flow.
A. 1 and 2.5

B. 2.5 and 4

C. 4 and 6

D. 1 and 6

9)Steady flow occurs when
A. The direction and magnitude of the velocity at all points are identical

B. The velocity of successive fluid particles, at any point, is the same at successive periods of time

C. The magnitude and direction of the velocity do not change from point to point in the fluid

D. The fluid particles move in plane or parallel planes and the streamline patterns are identical in each plane

10)A fluid which obeys the Newton's law of viscosity is termed as
A. Real fluid

B. Ideal fluid

C. Newtonian fluid

D. Non-Newtonian fluid

11). Hooke's law essentially defines

A. Stress
B. Strain
C. Yield point
D. Elastic limit

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12) The ratio of the change in dimension at right angles to the applied force to the initial dimension is known as

A. Youngs' modulus
B. Poisson's ratio
C. Lateral strain
D. Shearing strain

13) Substances that can be stretched to cause large strains are called

A. Brittle
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14)Volumetric Strain is

(a)Increase in length / original length

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d. Lateral strain / Volumetric strain

16) 5. Pick the composite from the list

(a) Wood

(b) Steel

(c) Nylon

(d) Mica

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17) Repeatable entity of a crystal structure is known as

a) Crystal

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18)Coordination number for closest packed crystal structure

a) 16

b) 12

c) 8

d) 4

19)Atomic packing factor is

a) Distance between two adjacent atoms

b) Projected area fraction of atoms on a plane

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