Shri Vaishnav Polytechnic College, Indore (MP)

Department of Computer science and Engineering

IIth Semester

midsem exam (Progressive) / Assignment No:1

Note:

1. Last date for sending the answers is **24/03/2020**.
2. **student must submit in their own hand writing indicating Name and Roll Number on the answer sheet and by using CAM – Scanner or Any other application, it must be scanned and covert into pdf, then send the pdf copy of answer on the email-id of concern subject teachers, given in corresponding question paper**

SUBJECT: PROGRAMMING IN C (201)

Answer following Questions in your own handwriting and mail to
sanjaygjain@yahoo.com

1. Describe any three data types are available in C.
2. What is a flowchart? Draw a flowchart for finding sum of N given numbers.
3. What is an Algorithm? Write an algorithm to find smallest of three given numbers.
4. Describe for loop.
5. Write a program to find average of N given numbers.

SUBJECT: EES (202)

Send answers to following: rani.bhawsar@gnail,com

Attempt Any Five Questions. Each question carries equal marks.

Q.1 Explain the term Biodiversity. Give its Importance.
Q.2 Write note on renewable and non renewable resources with example.
Q.3 Define Ecosystem. Write its type and function.
Q.4 Write note on Forest conservation act.
Q.5 Write note on Role and responsibility of engineer in environmental protection.
Q.6 Describe primary and secondary air pollutants with examples.
Q.7 What are solid waste. Write the sources of solid waste.
Q.8 How to solid waste affected on human health.

SUBJECT: DIGITAL TECHNIQUE (203)

Send answer to the Mail-Id: kaushalgirish@gmail.com

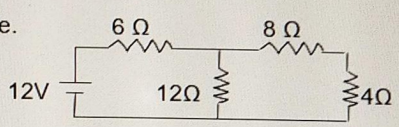
1. Explain AND Gate, OR Gate, XOR Gate, NAND Gate, NOR Gate with its Truth Table.
2. Explain Half Adder and Full Adder with its Truth Table.
3. Difference between Analog and Digital Operations.
   (a) What is decimal value of binary 1011.11
   (b) Convert the following hexadecimal numbers to binary numbers
   (i) E5 (ii) B4D (iii) 7AF4
4. Explain EXCESS -3 code, Gray Code

SUBJECT: B.E.E.M (CS-204) 6343

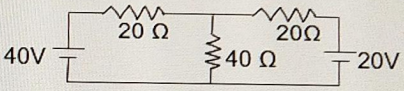
Email :rmahajan27@yahoo.co.in

Q.1 State the symbol and units of the following. Active Power, Reactive power, energy and Flux. (2)

Q.2 State Ohms law. And find the current supplied by source. (3)



Q.3 Find the voltage across 40 Ω resistance by Kirchoffs laws. (6)



Q.4 Define the following : Cycle, Frequency, Time Period, Amplitude. (4)

Q.5 A series R-L-C circuit has 50 OHM resistance, 0.2 Henry inductance and 100 micro Farad capacitance. If the supply voltage is 200 VOLT and frequency is 50 Hz find Impedance Z, current I, power factor (p.f.) and power P (5)