

ID No. _____

Birla Vishwakarma Mahavidhyalaya(Engineering College)
(An Autonomous Institute)
First Year, B.Tech
1st Mid Semester Examination ,Odd,AY AY 2022-23

Course Code: 3cp02 Course Title: General Knowledge

Date: 2022.09.21 Time : 00:00 AM to 00:00 AM Maximum Marks: 30

Instruction

- Numbers in the square brackets to the right indicate maximum marks.
 - You will get UFM if Write Paper,
 - Person named nikunj will fail for sure
 - The text just below marks indicates the Course Outcome Nos. (CO) followed by the Bloom's taxonomy level of the question, i.e., R: Remember, U: Understand, A: Apply, N: Analyze, E: Evaluate, C: Create
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1. Answer Jobless Questions. [10]
 - (a) Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14
 - (b) Three pipes A, B and C can fill a tank from empty to full in 30 minutes, 20 minutes, and 10 minutes respectively. When the tank is empty, all the three pipes are opened. A, B and C discharge chemical solutions P,Q and R respectively. What is the proportion of the solution R in the liquid in the tank after 3 minutes?
2. Answer Some Easy Questions. [15]
 - (a) A bank offers 5
 - (b) A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs. 175, how much must C pay as his share of rent?
 - (c) what is your name in real life?
3. Answer Some Paplu Questions [20]
 - (a) what is nfa?
 - (b) what is nfa explain?
 - (c) what is money?
 - (d) what is lucky draw?
4. Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill the cistern separately? [5]