

cement.

- Q.31 Which electrical Quantity is measured by an energy meter in your institute?
- Q.32 Name the different types of wiring system commonly used is domestic electrical installation.

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

- Q.33 Explain the working of centralized air conditioner with neat sketch and write down its applications.
- Q.34 Explain different types of A.C motors in details with diagram?
- Q.35 Explain the construction and working of centrifugal pump with neat sketch.
- Q.36 What is distribution system and also explain all component of distribution system with block diagram?

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**2nd Sem. / Food Tech.**

**Subject : General Engg.**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Objective type questions. All questions are compulsory (10x1=10)

- Q.1 Write one application of three phase motor.
- Q.2 The angle of V-Belt is kept commonly \_\_\_\_\_.
- Q.3 \_\_\_\_\_ are used to clear Air.
- Q.4 Define foundation.
- Q.5 The temperature of Air conditioned space is controlled by \_\_\_\_\_.
- Q.6 Full form of R.C.C
- Q.7 Unit of Energy.
- Q.8 Define Timber.

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- Q.9 What are the different ingredients of cement.
- Q.10 Name the different chemical constituents of cement

### SECTION-B

**Note:**Very short answer type questions. Attempt any ten questions out of twelve questions.  
(10x2=20)

- Q.11 Define Blinking of sand?
- Q.12 Name any two types of chain Drives.
- Q.13 Write units of voltages and Resistance.
- Q.14 Define Refrigeration?
- Q.15 What is Abraham's water Ratio law?
- Q.16 Define Velocity Ratio?
- Q.17 Write any two importance of soil.
- Q.18 Define power?
- Q.19 What do you understand by Hydration of cement?
- Q.20 Define Power Plant?

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- Q.21 Define Relative Humidity?
- Q.22 Define R.C.C?

### SECTION-C

**Note:**Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Write short note on simple Gear Train ?
- Q.24 Mention five application of electricity.
- Q.25 Write the properties of commonly used stones in civil Engineering works?
- Q.26 What is the purpose of earth wire which runs at the top of the transmission towers?
- Q.27 What are the different uses of piles?
- Q.28 What cut-out are provided on the distribution board?
- Q.29 Difference between open Belt Drive and Cross Belt drive with diagram.
- Q.30 What are the different chemical constituents of cement and also write the compounds of

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