

- Q.26 Write applications of single phase motors?
- Q.27 What is difference between open and cross belt drive?
- Q.28 What are external and integral gears?
- Q.29 What is centrifugal Pump?
- Q.30 Why Chain drives are used?
- Q.31 What is centralized AC?
- Q.32 What is the composition of cement?
- Q.33 What are disadvantages of concrete?
- Q.34 Why the foundation is laid?
- Q.35 What is seasoning of wood?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 What is Earthing? Explain its need and types.
- Q.37 Explain different types of shallow and deep foundations.
- Q.38 Draw the block diagram of thermal power plant. Explain function of each block.

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**2nd Sem / Food Tech, Elect.
Subject:- General Engineering**

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which one of the following drives is used for transmitting power without slip?
- a) Belt Drives b) Rope drives
 - c) Cone drives d) Chain drives
- Q.2 Which of the following is correct for the speed ration of a gear train?
- a) Speed of driver/ speed of driven
 - b) Speed of driven/ speed of driver
 - c) No. of teeth on driver / no of teeth on driven
 - d) None of the above
- Q.3 What is the full form of AC?
- a) Alteration Current b) Alternating Coil
 - c) Alternating Current d) None of the above
- Q.4 M20 concrete Ratio is _____
- a) 1:2:4 b) 1:1:2
 - c) 1:5.5:3 d) 1:3:6

- Q.5 Which among the following is a unit for electrical energy?
a) V(volt) b) kWh(kilowatt-hour)
c) Ohm d) C(coloumb)
- Q6 Which of the following is/are basic building materials?
a) Wood b) Cement
c) Brick d) All of the mentioned
- Q.7 The temporary framework is shown as _____ and it is useful in construction demolition, maintenance or repair works.
a) Grouting b) Scaffolding
c) Shoring d) Underpinning
- Q8 The centrifugal pump has a _____ flow.
a) Variable b) Uniform
c) Continuous d) Constant
- Q.9 Based on the type of casing, the centrifugal pump is divided into _____ types.
a) 2 b) 3
c) 4 d) 5
- Q.10 A transmission and distribution engineer needed to design the sub transmission substation. The tapping component needed will be _____
a) feeder
b) distributor
c) transmitter
d) tap-changing transformer

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SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Define workability?
Q.12 Define Cement?
Q.13 What is the full form of DC?
Q.14 Define power?
Q.15 What is MCB?
Q.16 Define frog?
Q.17 Define mechanical advantages?
Q.18 Define RCC?
Q.18 Define worm gear?
Q.20 What is the full form of NPP?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 What are differences between AC and DC?
Q.22 Write short note on Hydro Power Plant?
Q.23 Draw a circuit showing volt meter, Ammeter, resistance and a battery?
Q.24 Draw the diagram of transmission system.
Q.25 Write difference between 3-phase and 1-phase system?

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