

SECTION-D

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

Q.33 Draw & explain Position Telemetry system in detail.

Q.34 With the help of diagram explain working of Field Programmable Bus.

Q.35 Explain Frequency Division Multiplexing in detail.

Q.36 Differentiate between Bleed type & Non Bleed type Relay.

No. of Printed Pages : 4

Roll No.

121545/31545

4th Sem.

Subject : Principles of Telemetry

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

Q.1 Write down full form of D.P.T.

Q.2 Describe the error of A.S.K.

Q.3 Give one example of Analog Modulation.

Q.4 Write one application of Pneumatic System.

Q.5 Expand A.S.K.

Q.6 Write one use of inter bus.

Q.7 Write full form of P.A.M.

Q.8 Write one use of Bellow.

Q.9 Write one advantage of F.M.

(200)

(4)

121545/31545

(1)

121545/31545

Q.10 Name any one type of transmission Channel.

SECTION-B

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

Q.11 Give two limitations of Landline telemetry.

Q.12 Define Bus.

Q.13 Define Modulation Index.

Q.14 Describe Carrier Wave.

Q.15 Write one application of Hydraulic system.

Q.16 Define term data transmission.

Q.17 Define Impulse System.

Q.18 Define Telemetry.

Q.19 Define Bus.

Q.20 Describe Pilot Relay.

Q.21 Why Multiplexing is required?

Q.22 The Pilot relay is provided to obtain high speed tripping (T/F)

SECTION-C

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

Q.23 Describe Flapper Nozzle System.

Q.24 Explain Current Telemetry System.

Q.25 Describe the need of modulation in Communication system.

Q.26 Explain PDPT bellows type.

Q.27 List three advantages of Radio Channel.

Q.28 Explain Modulation of signal using P.S.K.

Q.29 Draw the Waveforms of A.S.K.

Q.30 Explain Inter-bus with diagram.

Q.31 Compare A.S.K. & F.S.K.

Q.32 Write Working of Hydraulic Transmitter.

(2)

121545/31545

(3)

121545/31545