

V.P. & R.P.T.P SCIENCE COLLEGE

INTERANAL EXAM

T.Y.B.Sc.(SEM-V) INSTRUMENTATION(V)

SUB: -Instrumentation

SUB CODE: US05GINV06

DATE:-10/10/2019

TIME: 11:00 pm to 12:15 pm

MARKS-25

Q-1 Choose correct answer [05]

1. The reactance of capacitor is given by \_\_\_\_\_.  
(A)  $1/2\pi FC$  (C)  $2\pi FR$   
(B)  $2\pi FL$  (D) None of above
2. Register are made of \_\_\_\_\_.  
(A) flip flop (C) capacitor  
(B) resistor (D) None of above
3. In V/F type A to D converter \_\_\_\_\_ is constant.  
(A) time (C) current  
(B) frequency (D) None of above
4. In V/T type A to D converter \_\_\_\_\_ is constant.  
(A) time (C) current  
(B) frequency (D) None of above
5. The Schmitt trigger has UTP & \_\_\_\_\_.  
(A) LTP (C) no point  
(B) MTP (D) None of above



Q-2 Give an account of whetstone bridge. [05]

OR

Q-2 Give an account of Wein bridge. [05]

Q-3 Give an account of Tri-state switch. [05]

OR

Q-3 Give an account of R-2R D/A converter. [03]

[02]

Q-4 Give an account of V/F type A to D converter. [05]

OR

Q-4 Give an account of parallel type A to D converter. [05]

Q-5 Give an account of modem and interfaces. [05]

OR

Q-5 Give an account of Schmitt trigger as interface circuit. [05]