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026133

BCS-061(P)/S3

**Bachelor of Computer
Application (Revised) (BCA)
Term-End Examination
December, 2018**

TCP/IP PROGRAMMING

Time : 2 Hours

Maximum Marks : 30

(Weightage : 15%)

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- Note :**
- (i) There are *two* compulsory questions.
 - (ii) Marks are indicated against each question.
 - (iii) 10 marks are for viva-voce.
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1. Run the following Unix commands and show/write their outputs : 8
 - (i) Ping
 - (ii) chkdsk
 - (iii) IP config
 - (iv) date

2. Write and execute a client and a server program using C-language in Unix to perform the following tasks :
 - (a) Establish a TCP connection between a client and a server. 3
 - (b) TCP client program sends three numbers 10, 8, 15, after the connection is established. 3
 - (c) TCP server returns the smallest number to the client. 6