AAH-003-039202 Seat No. _____

B. Voc. (ACTECH) (Sem. II) (CBCS) Examination

April / May - 2016

ACTECH - 2.2 - Fundamental of Networking

Faculty Code : 003
Subject Code : 039202

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

1 Attempt All Questions : **20**

(1) ARPA stands for

(A) Advanced Routers Projects Agency

(B) Advanced Reform Projects Agency

(C) Advanced Research Projects Agency

(D) Advanced Retransmission Projects Agency

(2) IRC stands for

(A) Inter Router Communication

(B) Internet Research Committee

(C) Internet Relay Chat

(D) Internet Relay Communication

(3) Unwanted emails in bulk is called _____

(A) Bulk (B) both

(C) Spamming (D) None of these

(4) ISP stands for

(A) Internet Service Provider

(B) Intranet Service Provider

(C) Internet Security Provider

(D) None of these

(5) Private computer networks within an organization is called

(A) Internet (B) Extranet

(C) Intranet (D) none of these

(6) A private network that uses Internet technology and the public telecommunication system to

(A) Internet (B) Extranet

(C) Intranet (D) None of these

(7) SLIP stands for

(A) Serial Last Internet Protocol

(B) Serial Line Internet Protocol

(C) Sequencel Line Internet Protocol

(D) Security Line Internet Protocol

(8) PPP stands for

(A) Public Post Protocol (B) Post Public Protocol

(C) Point Post Protocol (D) Point to Point Protocol

(9) ISDN stands for

(A) Integrated Service Data Network

(B) Internet Service Digital Network

(C) Integrated Services Digital Network

(D) None of these

(10) VPN stands for

(A) Virtual Private Network

(B) Vertical Private Network

(C) Virtual Personal Network

(D) None of these

(11) For muiticast group dedicated network class is _____

(A) Class A (B) Class C

(C) Class B (D) Class D

(12) Less number of network and high number of host accommodated in network class _____

(A) Class A (B) Class C

(C) Class B (D) Class E

(13) For research and experimental purpose network class reserved is _____

(A) Class A (B) Class C

(C) Class B (D) Class E

(14) The term subnet mask related with

(A) Network Mask

(B) getting network address from IP address

(C) sub-netting

(D) All of these

(15) Super Netting is _____

(A) Merging Networks

(B) CIDR

(C) Using bits of Network ID for Host ID

(D) All of these

(16) In 192.30.250.00/18 IP address 18 indicates

(A) bits used for network ID

(B) Class B

(C) sub netting

(D) All of these

(17) USB was designed for _____.

(A) to standardize the connection of computer

(B) It has become common place on other

(C) USB has effectively replaced a variety of

(D) All of these

(18) DSL stands for

(A) Digital Subscriber Line

(B) Digital Subscriber Loop

(C) both

(D) None of these

(19) ARP related with

(A) Address Resolution Protocol

(B) mapping an IP address to MAC address

(C) keeps records for correlation

(D) All of these

(20) Fiber Optic constructed by

(A) Strengthening Fibers (B) Cladding

(C) Coating (D) All of these

2 (a) Answer any **three** : **6**

(1) What is Network?

(2) Explain MAN

(3) What is P2P Netwrok?

(4) Explain Laser Transmission.

(5) What is Frequency ? Give different bands.

(6) What is Application Layer in TCP / IP model ?

(b) Answer any **three** : **9**

(1) Give difference between P2P and Client Server Model

(2) Explain File and Print Network services

(3) Explain Microwave Transmission.

(4) What is LAN card ? Explain.

(5) Write short note on HUB.

(6) What is Leased Line?

(c) Answer any **two** : **10**

(1) Write short note on CSMA /CD.

(2) Explain different network topology with diagram.

(3) Explain all three Communication methods.

(4) Explain TCP / IP Model.

(5) What is multiplexing? Explain all types.

3 (a) Answer any **three** : **6**

(1) Explain LAN.

(2) Explain WAN.

(3) Explain Infrared Transmission.

(4) Explain Radio Wave Transmission.

(5) What is Network interface layer in TCP /IP model?

(6) Explain TDM.

(b) Answer any **three** : **9**

(1) State Network advantages and disadvantages.

(2) Explain Communication and database Network services.

(3) Give difference between OSI and TCP / IP Model.

(4) Explain Bluetooth Technology.

(5) Write short note on DSL.

(6) What is Proxy Server ?

(c) Answer any **two** : **10**

(1) Explain VPN and its types.

(2) Explain classes of IPV4.

(3) Write short note on Token — Passing Access Method.

(4) Write short note on FDDL

(5) Explain OSI model.