

BIHAR STET 2024

कम्प्यूटर साइंस

#7

PREVIOUS YEAR PAPER SOLUTION

LAXMI CHANDOLIA

UGC NET JRF 2022 (99.85%)

Computer Instructor @ Govt. of Raj.

ABOUT YOUR EDUCATOR

LAXMI CHANDOLIA

Senior Academic Educator

QUALIFICATION

- Masters in CS (Central University of Rajasthan)
(Specialized : Artificial Intelligence)
- 4 Times NET, 2 Times JRF
- GATE Qualified

EXPERIENCE

COMPUTER INSTRUCTOR
@ GOVT. OF RAJ.

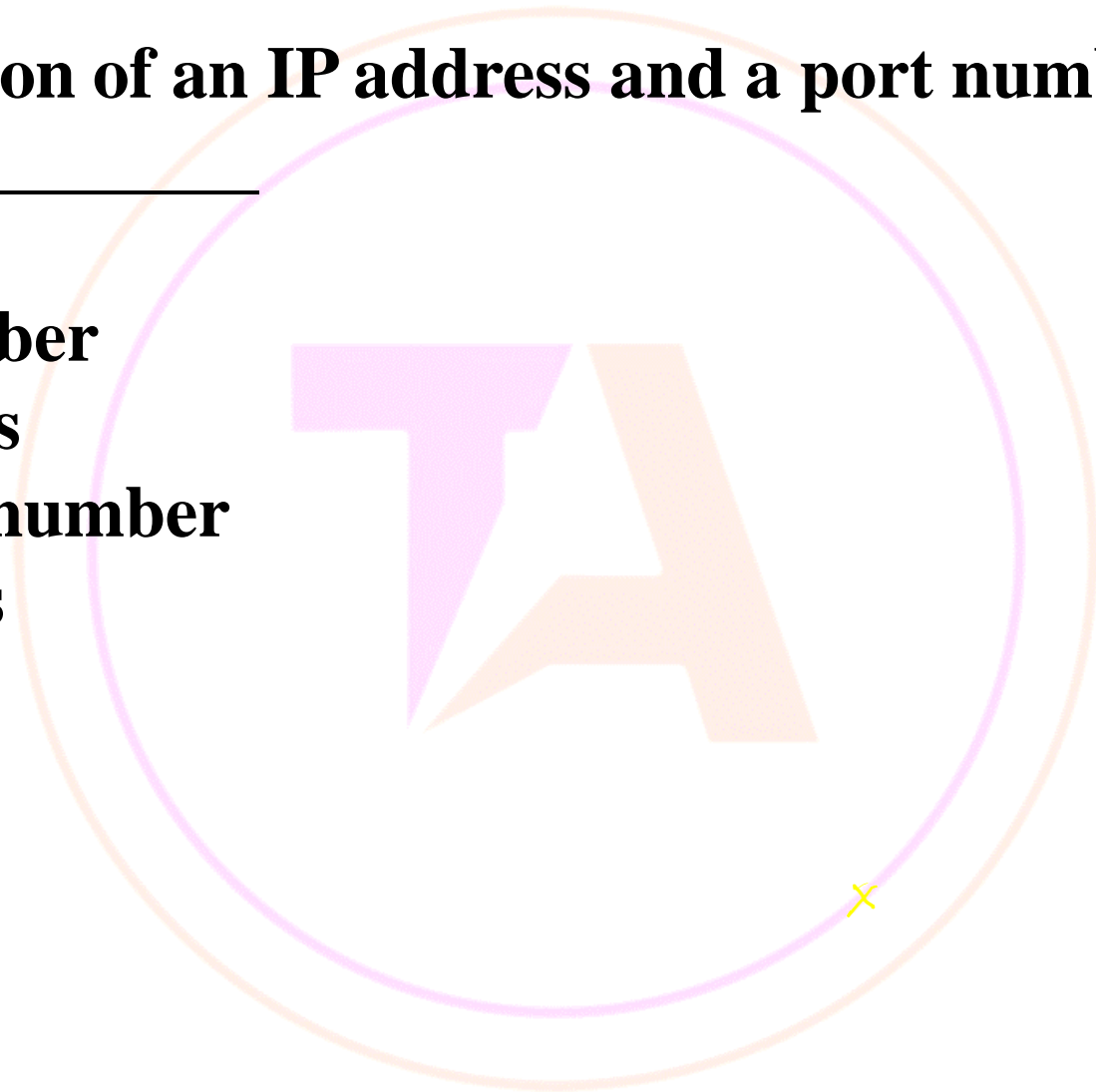
TEACHING

2+ YEARS OF EXPERIENCE
WITH UGC NET EXAM



Q. The combination of an IP address and a port number is known as _____

- (A) network number**
- (B) socket address**
- (C) subnet mask number**
- (D) MAC address**



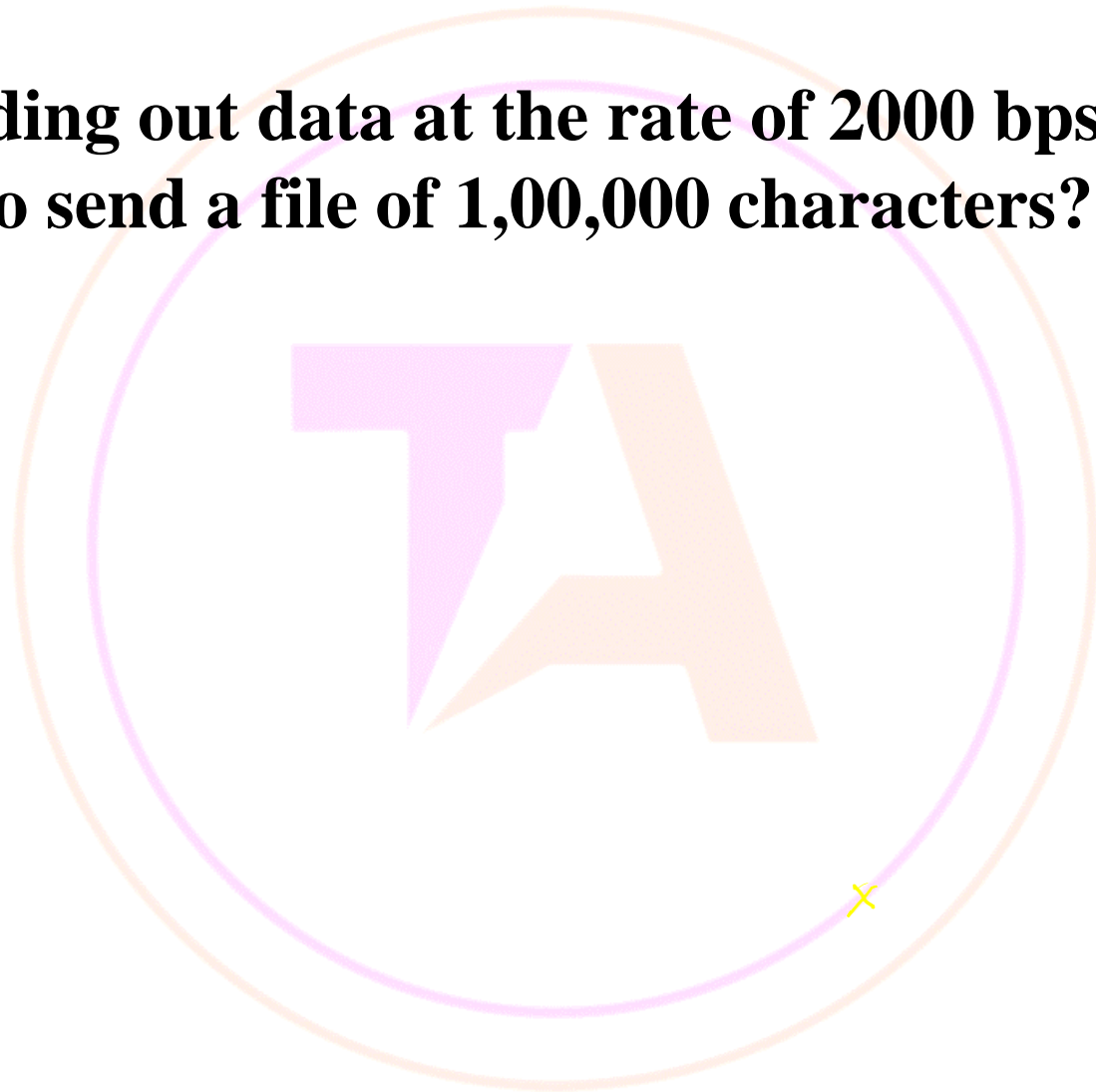
Q. Match the following.

List-1	List-2
I) Class - A IP address	A) 8 bit host id and 24 bit network id
II) Class - B IP address	B) 16 bit host id and 16 bit network id
III) Class - C IP address	C) 24 bit host id and 8 bit network id

- 1) I – B, II – C, III – A
- 2) I – C, II – B, III – A
- 3) I – A, II – B, III – C
- 4) I – C, II – A, III – B

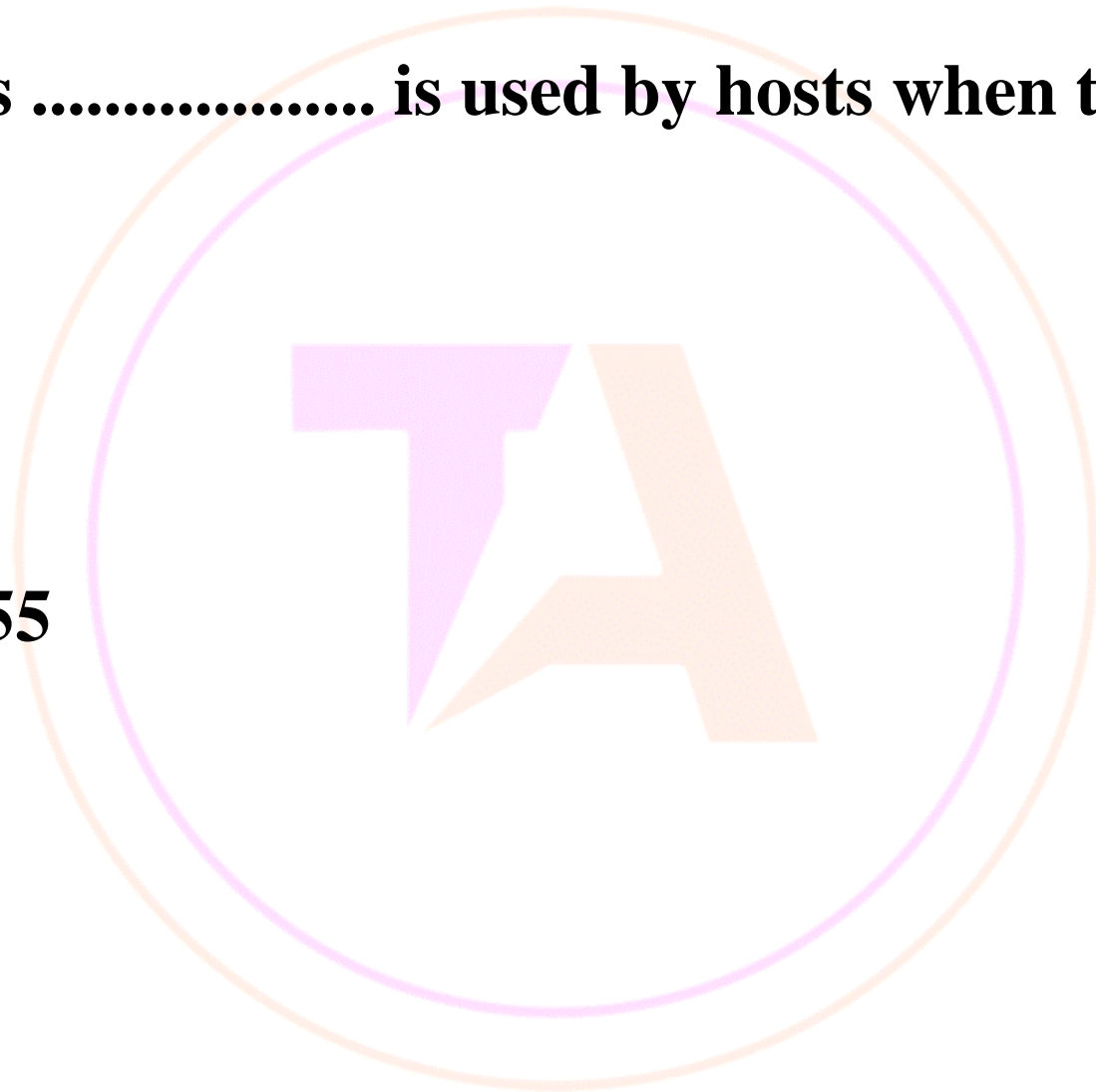
Q. A device is sending out data at the rate of 2000 bps. How long does it take to send a file of 1,00,000 characters?

- (A) 50**
- (B) 200**
- (C) 400**
- (D) 800**



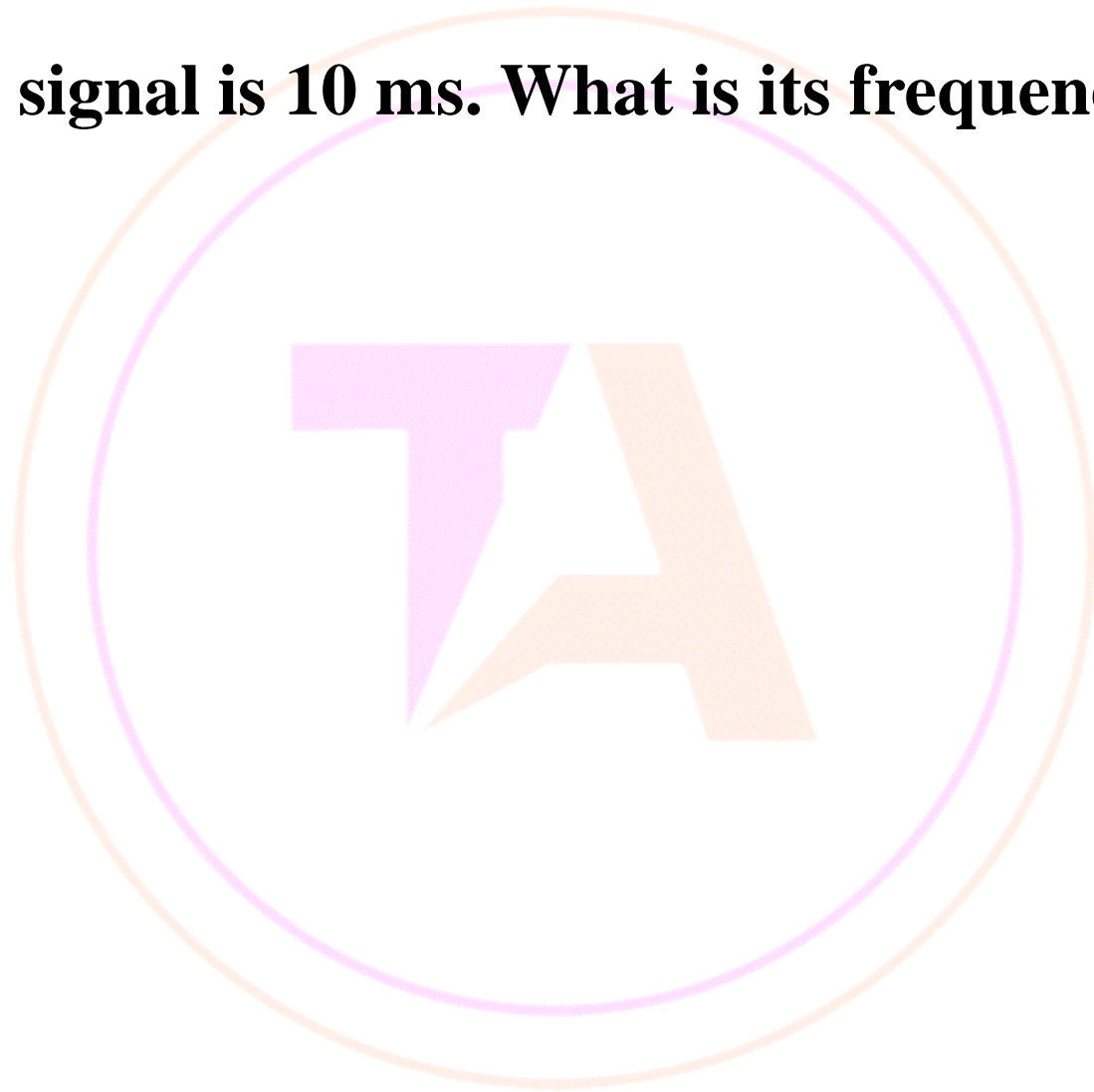
Q. The IP address is used by hosts when they are being booted.

- (1) 0.0.0.0**
- (2) 1.0.0.0**
- (3) 1.1.1.1**
- (4) 255.255.255.255**



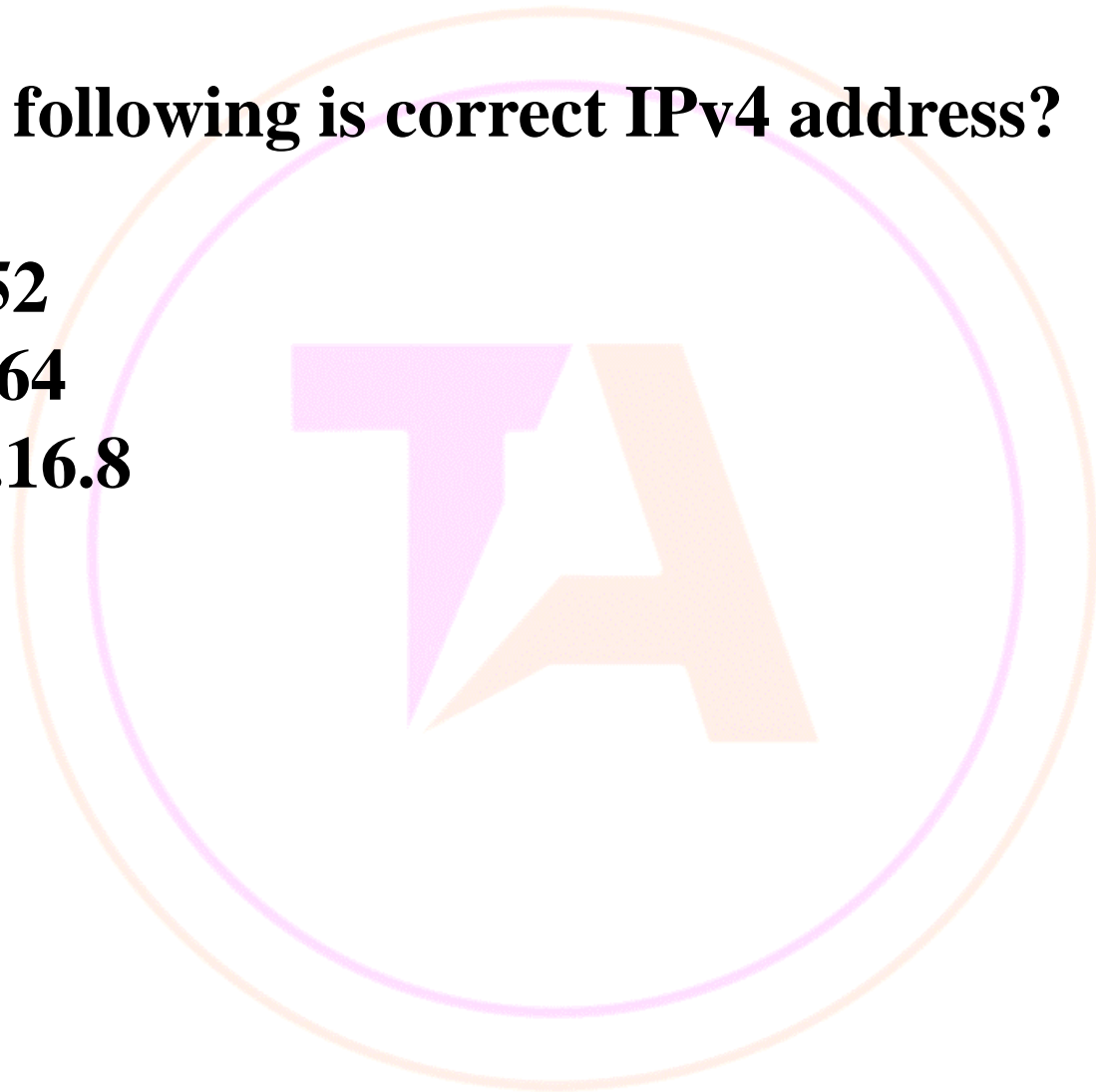
Q. The period of a signal is 10 ms. What is its frequency in Hertz ?

- (A) 10**
- (B) 100**
- (C) 1000**
- (D) 10000**



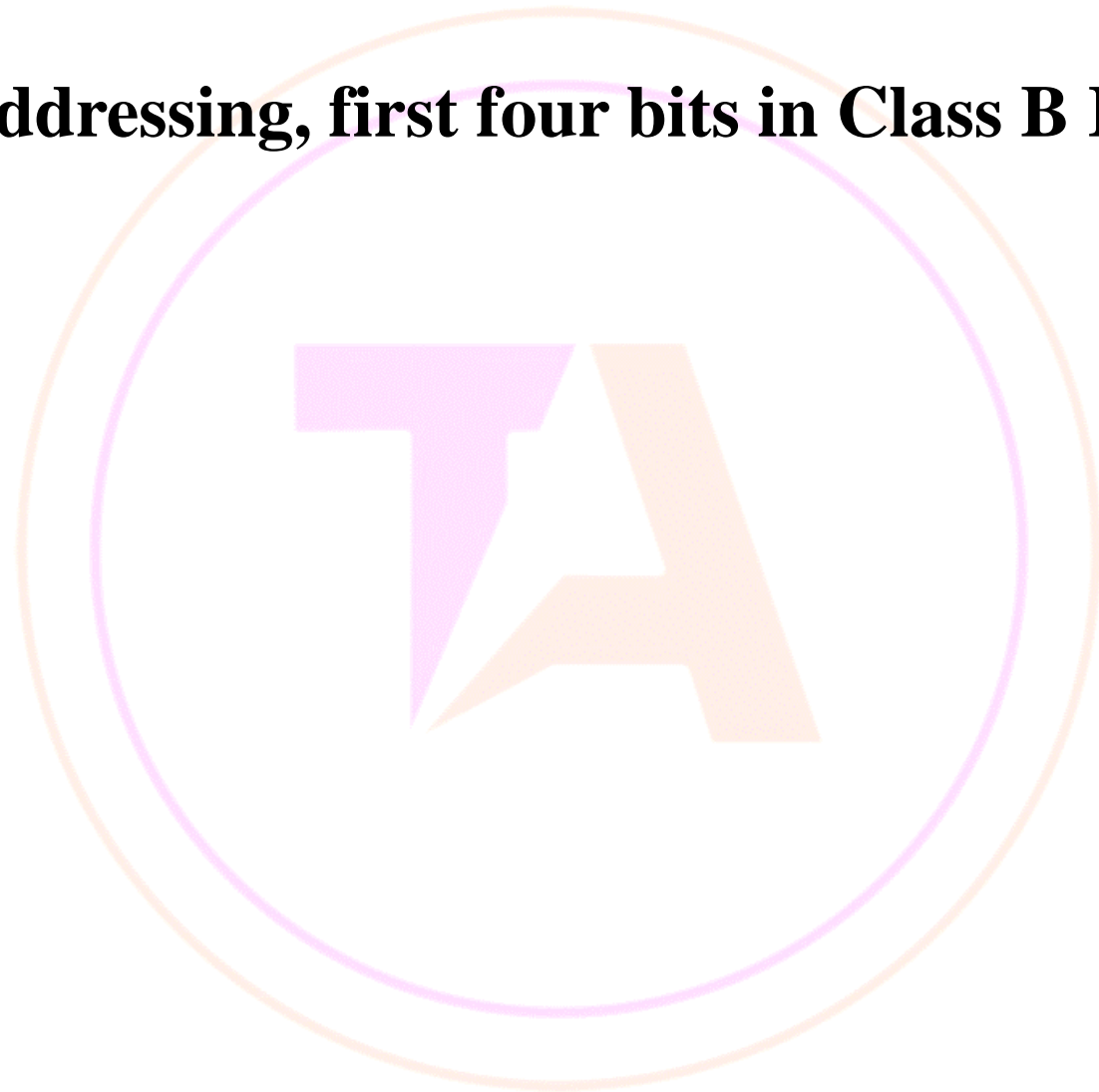
Q. Which of the following is correct IPv4 address?

- 1) 124.201.3.1.52**
- 2) 300.142.210.64**
- 3) 10110011.32.16.8**
- 4) 128.64.0.0**



Q. In a classful addressing, first four bits in Class B IP address is

- (A) 1010**
- (B) 1100**
- (C) 1011**
- (D) 1110**

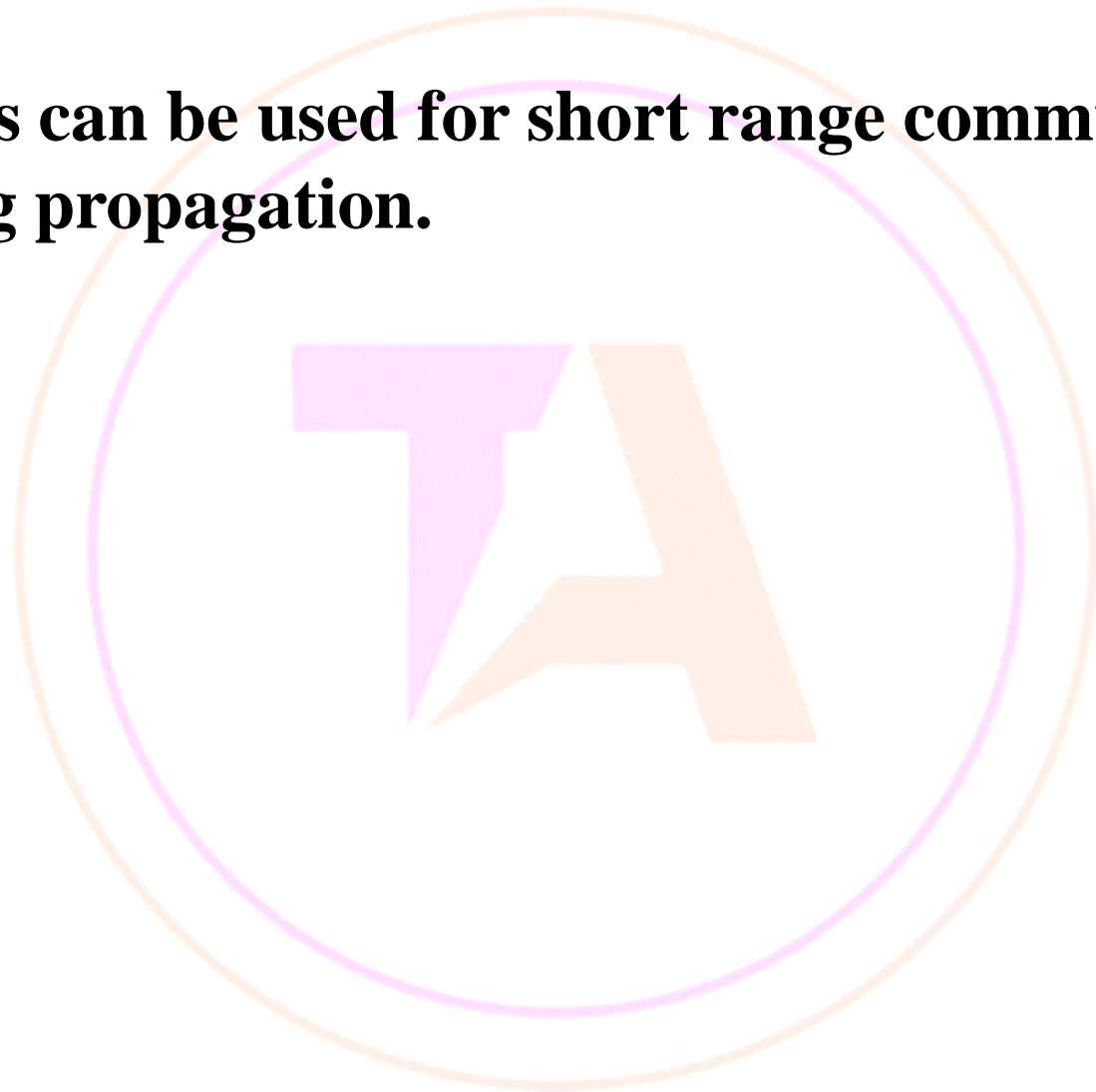


Q. A collection of hyperlinked documents on the internet forms the ?

- A. World Wide Web (WWW)**
- B. E-mail system**
- C. Mailing list**
- D. Hypertext markup language**

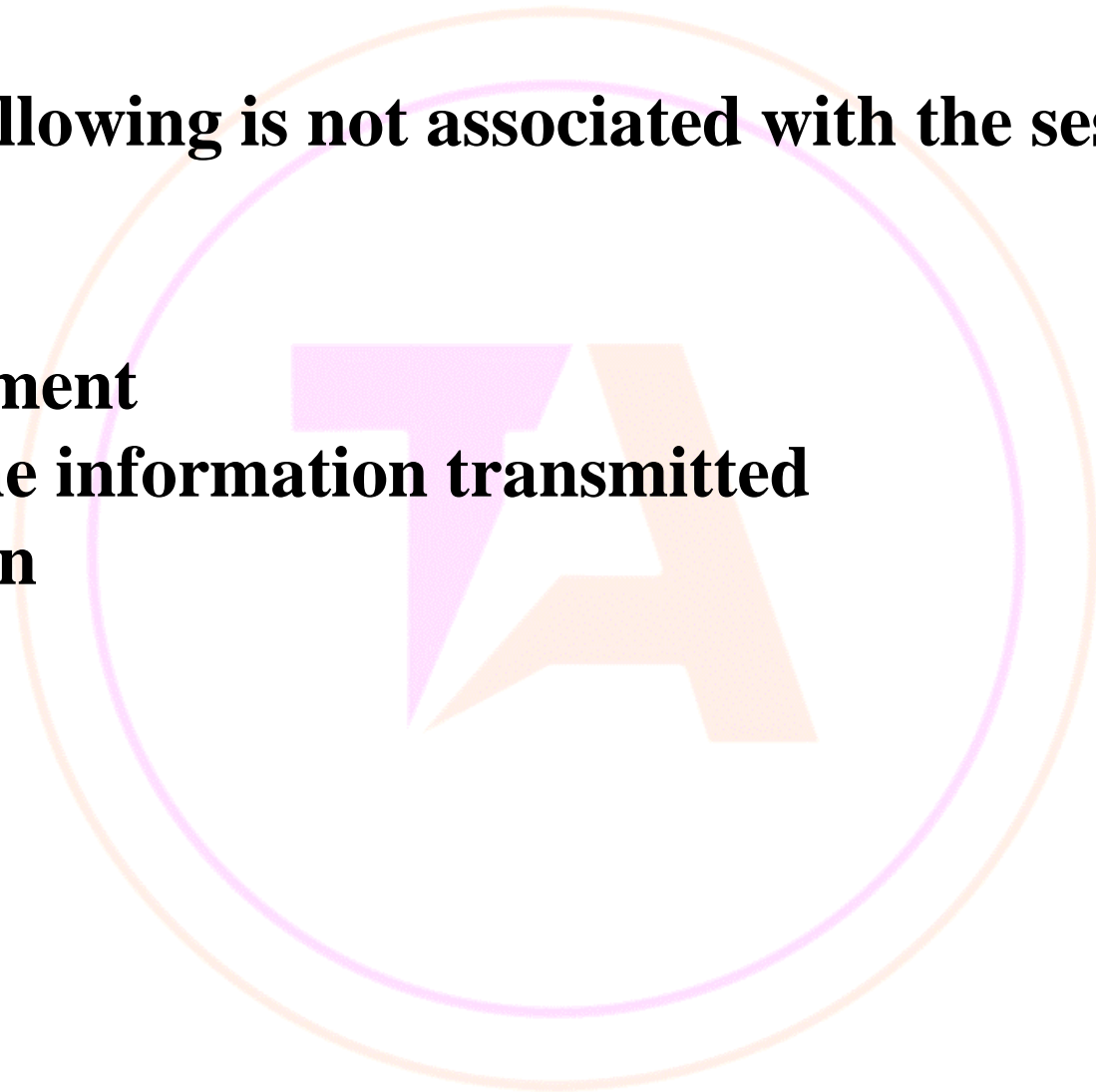
Q. Infrared signals can be used for short range communication in a closed area using propagation.

- (A) ground**
- (B) sky**
- (C) line of sight**
- (D) space**



Q. Which of the following is not associated with the session layer?

- (1) Dialog control**
- (2) Token management**
- (3) Semantics of the information transmitted**
- (4) Synchronization**

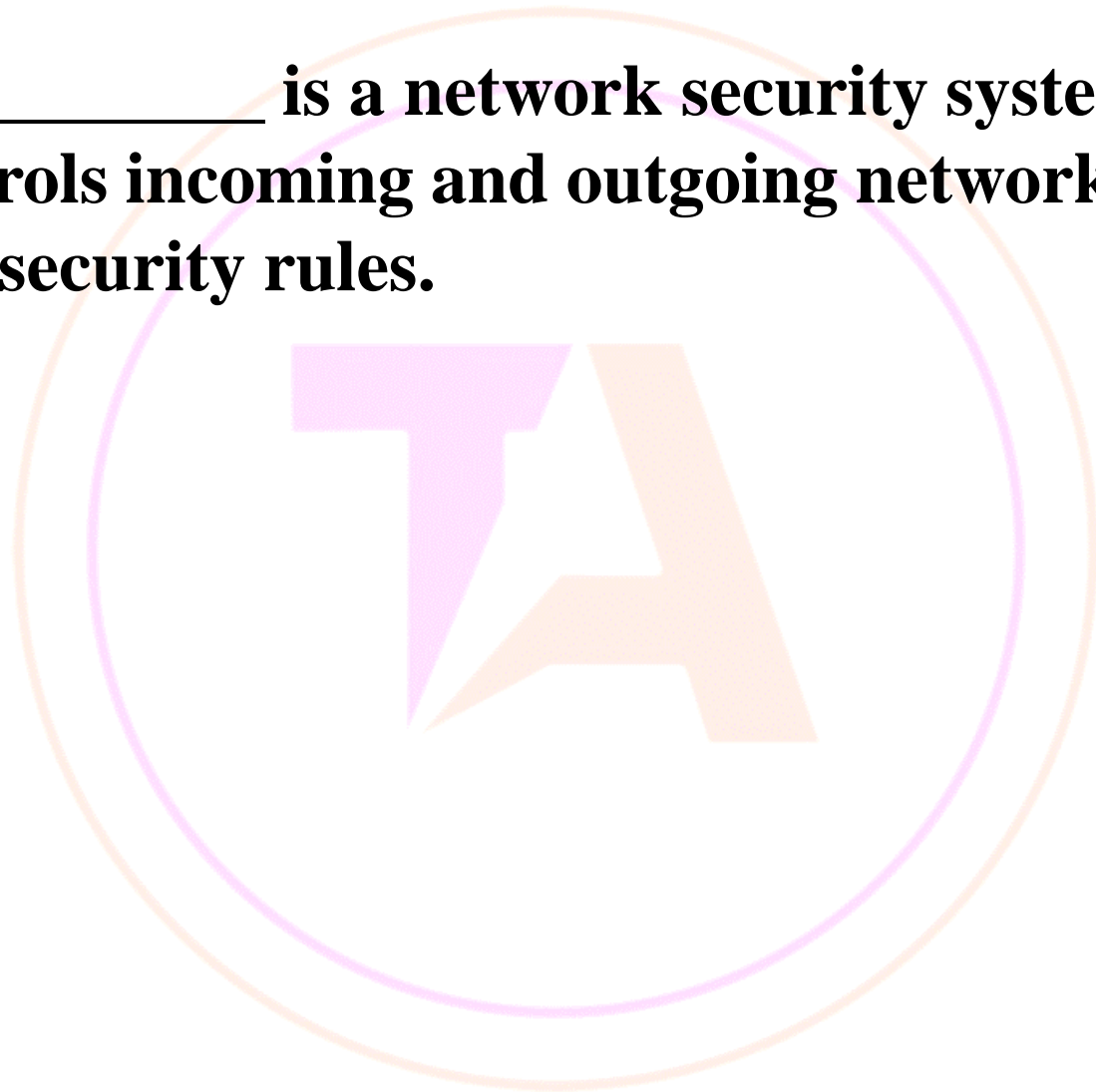


Q. A user logs into a remote computer using (i) and then transfers his file to his own computer using (ii) and finally emails it using (iii). What could (i), (ii), (iii), respectively, be?

- 1) (i) - SMTP, (ii) - FTP, (iii) - HTTP**
- 2) (i) - TELNET, (ii) - FTP (iii) - SMTP**
- 3) (i) - HTTP, (ii) - TFTP, (iii) - SMTP**
- 4) (i) - TELNET, (ii) - TFTP, (iii) - HTTP**

Q. In computing, _____ is a network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules.

- A. Spyware**
- B. Cookie**
- C. Spam**
- D. Firewall**

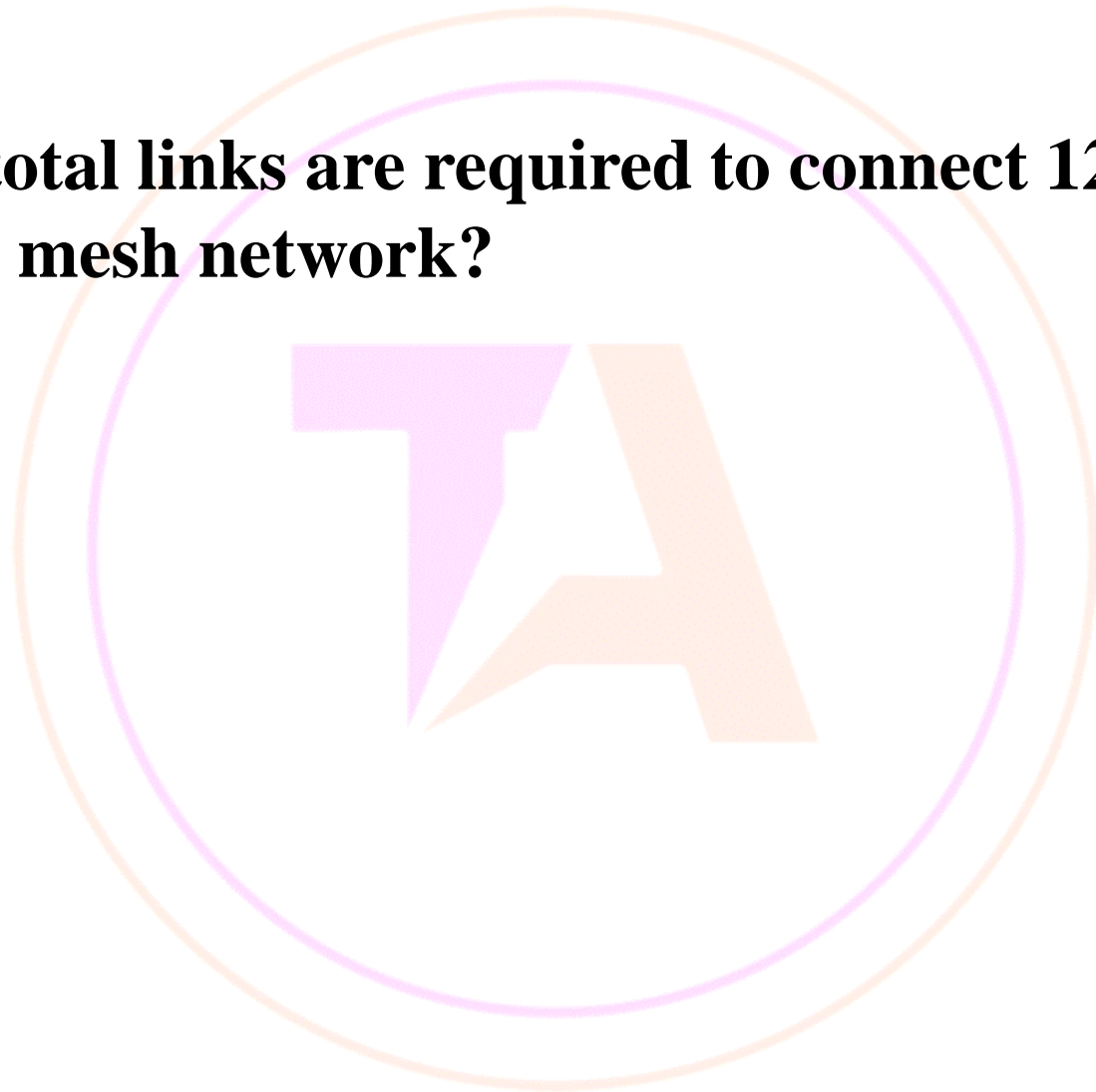


Q. Which among the following network topologies has the highest transmission speed?

- A) LAN**
- B) WAN**
- C) MAN**
- D) Both LAN and WAN have equal transmission speeds.**

Q. How many total links are required to connect 12 devices in a fully connected mesh network?

- A. 144**
- B. 66**
- C. 72**
- D. 112**



Q. Internet works on _____

- a) packet switching**
- b) circuit switching**
- c) both packet switching and circuit switching**
- d) data switching**

Q. What is the equivalent infix expression of the following postfix expression?

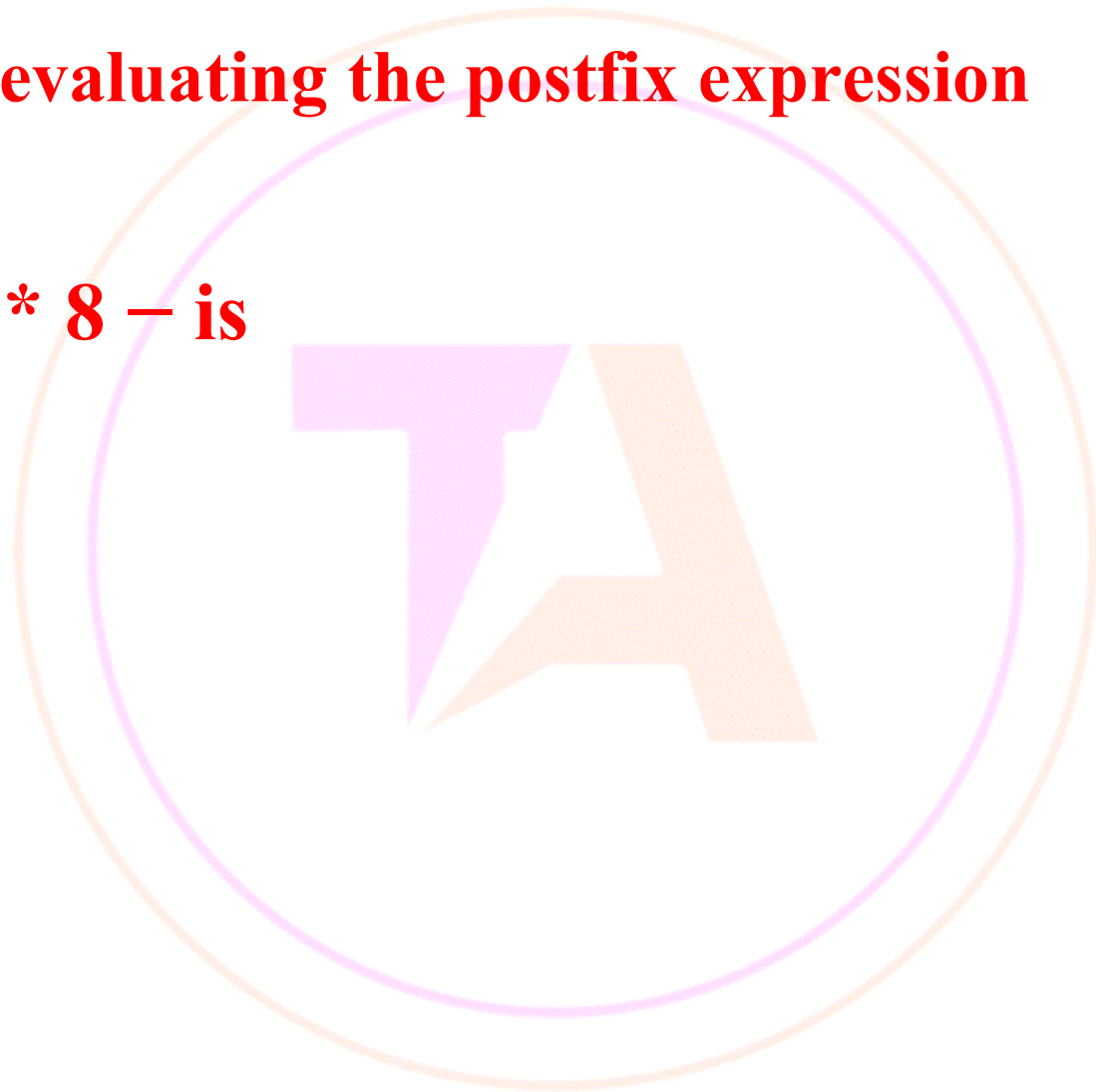
M, N, O, +, *, P, /, Q, R, S, T, /, +, *, –

- A. $N * (M + O) / Q - P * (S + R / T)$**
- B. $((((M * (N + O)) / P) - (Q * (R + (S / T))))$**
- C. $O * (M + N) / P - Q * (R + S / T)$**
- D. $M * (N + O) / Q - P * (R / S + T)$**

Q. The result evaluating the postfix expression

$10\ 5 + 60\ 6 / * 8 -$ is

- A. 284**
- B. 213**
- C. 142**
- D. 71**



Q. The five items P,Q,R,S and T are pushed in a stack, one after the other starting from P. The stack is popped four times and each element is inserted in a queue. Then two elements are deleted from the queue and pushed back on the stack. now one item is popped from the stack. The popped item is:

- A. P**
- B. R**
- C. Q**
- D. S**

Q. Which of the following rotations is called a double rotation in AVL Tree?

- A. RL and RR**
- B. LR and LL**
- C. LL and RR**
- D. LR and RL**

Q. Which traversal of binary search tree is in ascending order?

I. Pre Order Traversal

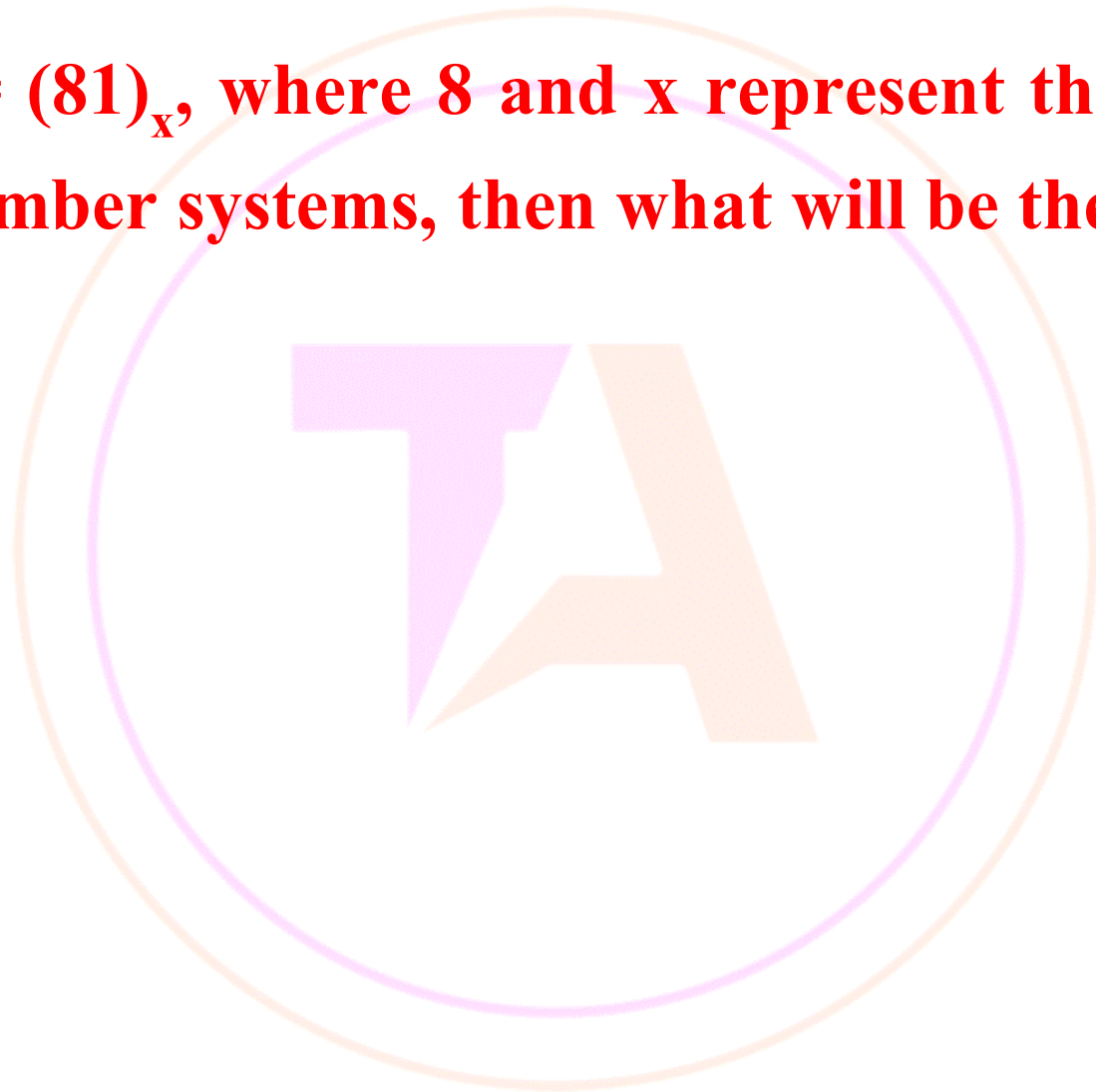
II. Post Order Traversal

III. In Order Traversal

- A. Only II**
- B. I and III**
- C. II and III**
- D. Only III**

Q. If $(201)_8 = (81)_x$, where 8 and x represent the base of the respective number systems, then what will be the value of x?

- A. 16**
- B. 4**
- C. 8**
- D. 2**



Q. The pre-order traversal of a binary search tree is

15, 10, 12, 11, 20, 18, 16, 19.

Which one of the following is the post order traversal of the tree?

- A. 10, 11, 12, 15, 16, 18, 19, 20**
- B. 11, 12, 10, 16, 19, 18, 20, 15**
- C. 20, 19, 18, 16, 15, 12, 11, 10**
- D. 19, 16, 18, 20, 11, 120, 10, 15**

BIHAR STET 2024

COMPUTER SCIENCE

~~7000~~

मात्र

1999/-

70% डिस्काउंट

COMPLETE PLAN

P1+P2



LAXMI CHANDOLIA

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Target Abhi Mobile App



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