

# BIHAR STET 2024

## कम्प्यूटर साइंस

#8

### 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

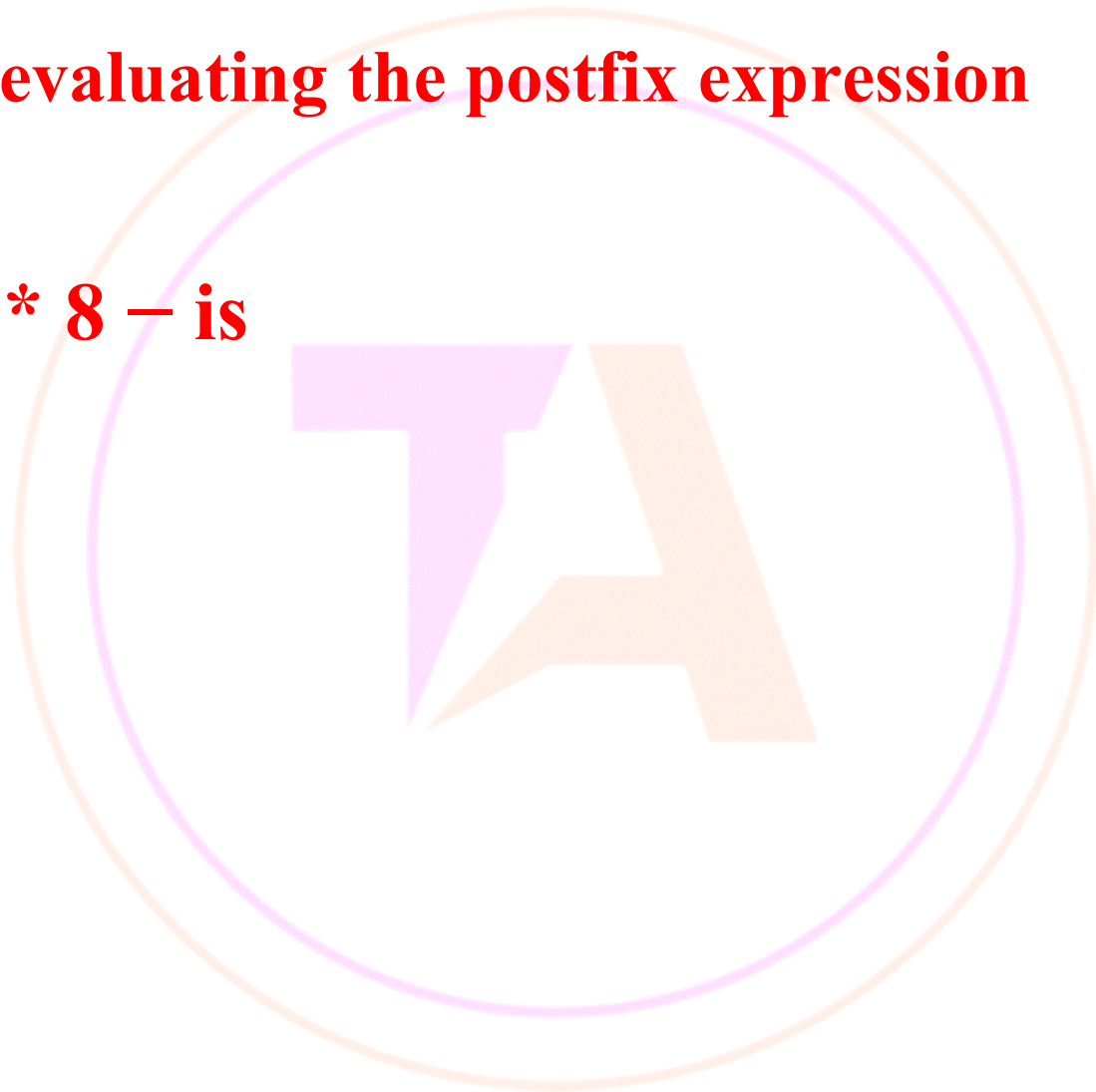




**Q. The result evaluating the postfix expression**

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

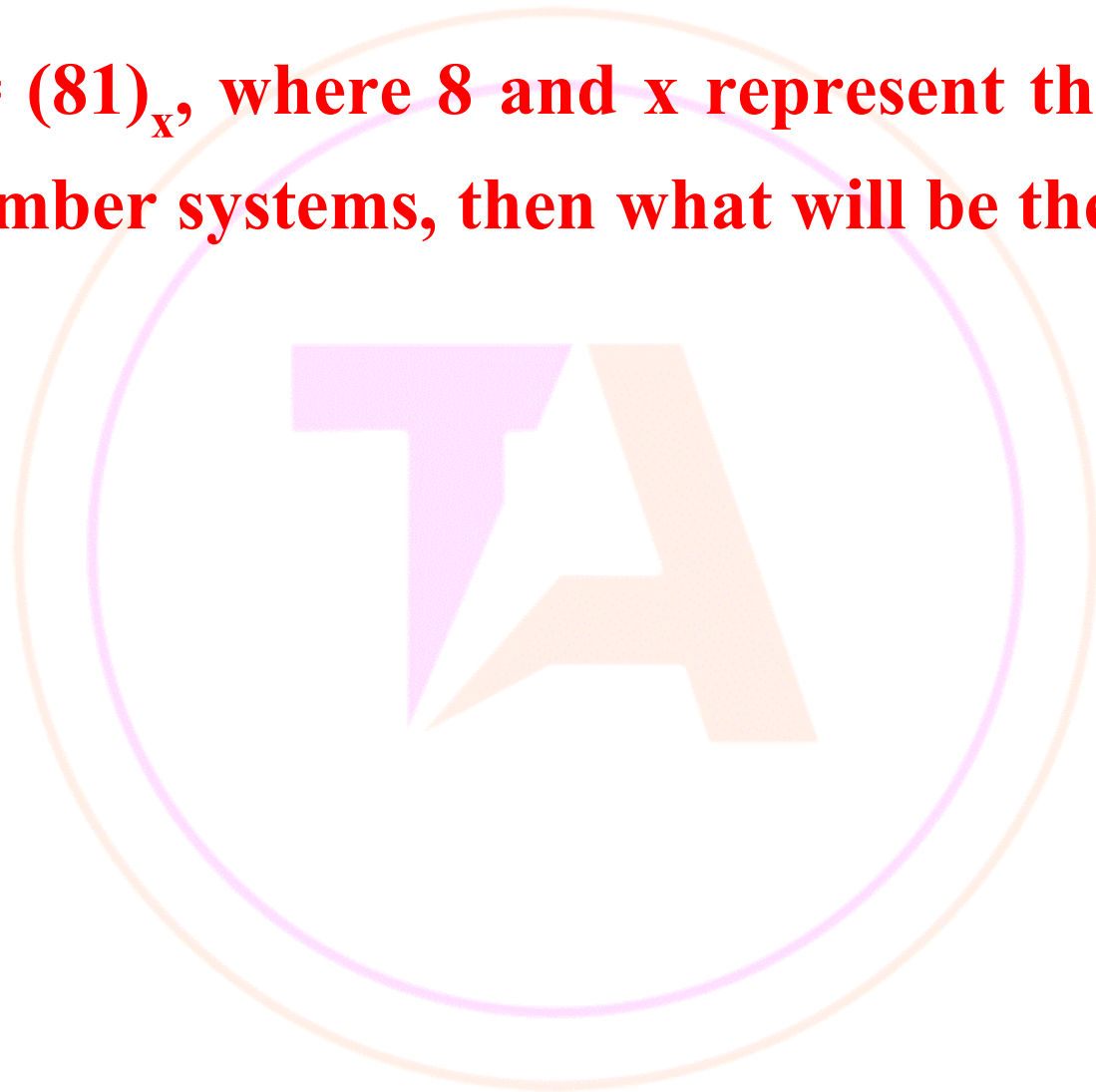
**II. Post Order Traversal**

**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**



**Q. Translate following infix expression to its equivalent postfix expression. ( $\uparrow$  denotes exponentiation and / integer division)**

$$(A+B\uparrow D)/(E-F)+G$$

**a.  $ABD\uparrow+EF-G+ /$**

**b.  $ABD\uparrow+EF-/G+$**

**c.  $AB+D\uparrow EF-/G+$**

**d. None of these**

**Q. Evaluate following postfix expression to show result.**

**Given  $A = 3$ ,  $B = 4$ ,  $C = 2$ ,  $D = 4$**

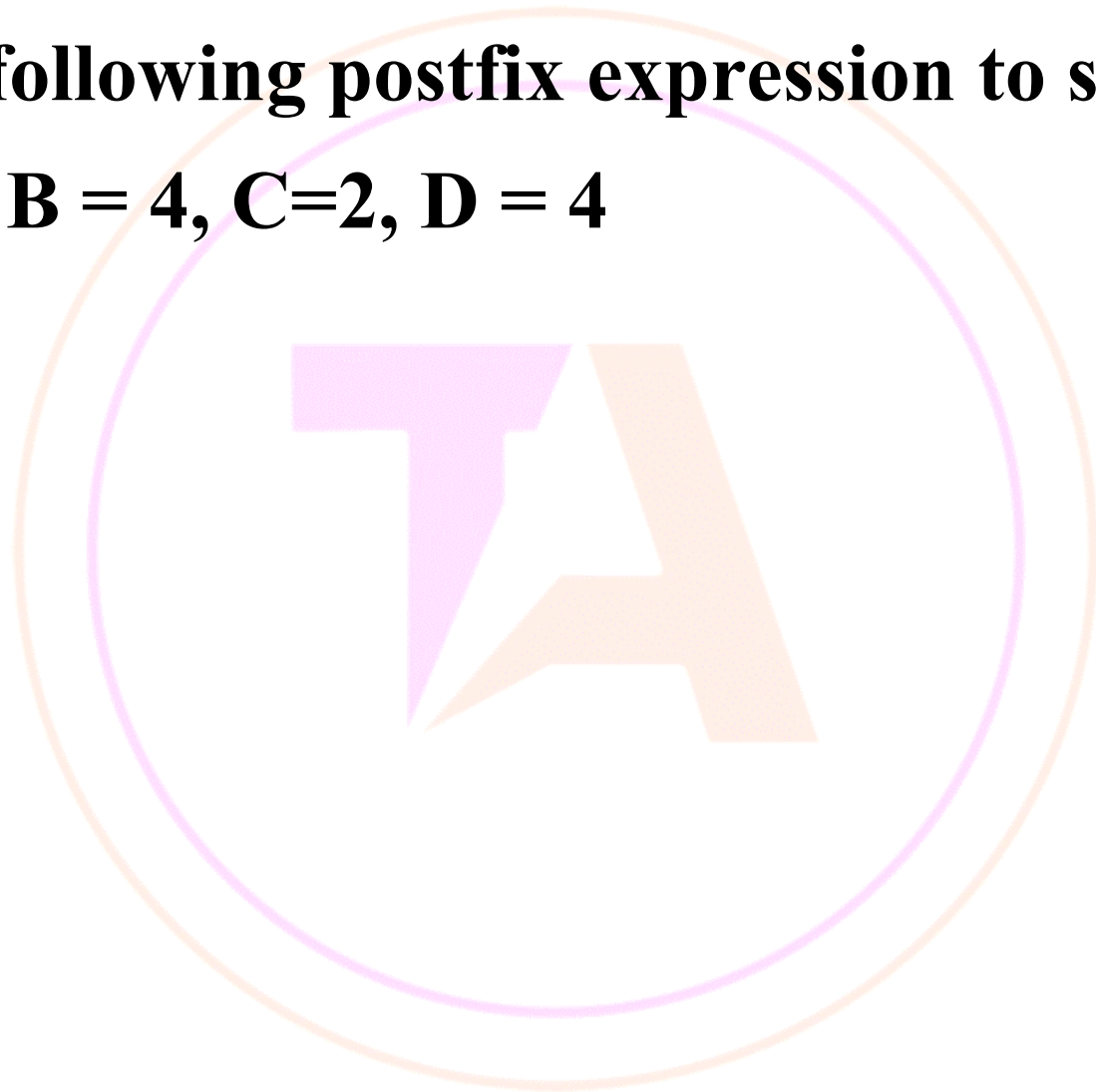
**$AB+DC/-$**

**a. 4**

**b. 5**

**c. 6**

**d.  $-13/2$**



**Q. Given below are two statements:**

**Statement I: Wireless (Wi-Fi) networks are less secure than hard-wired systems.**

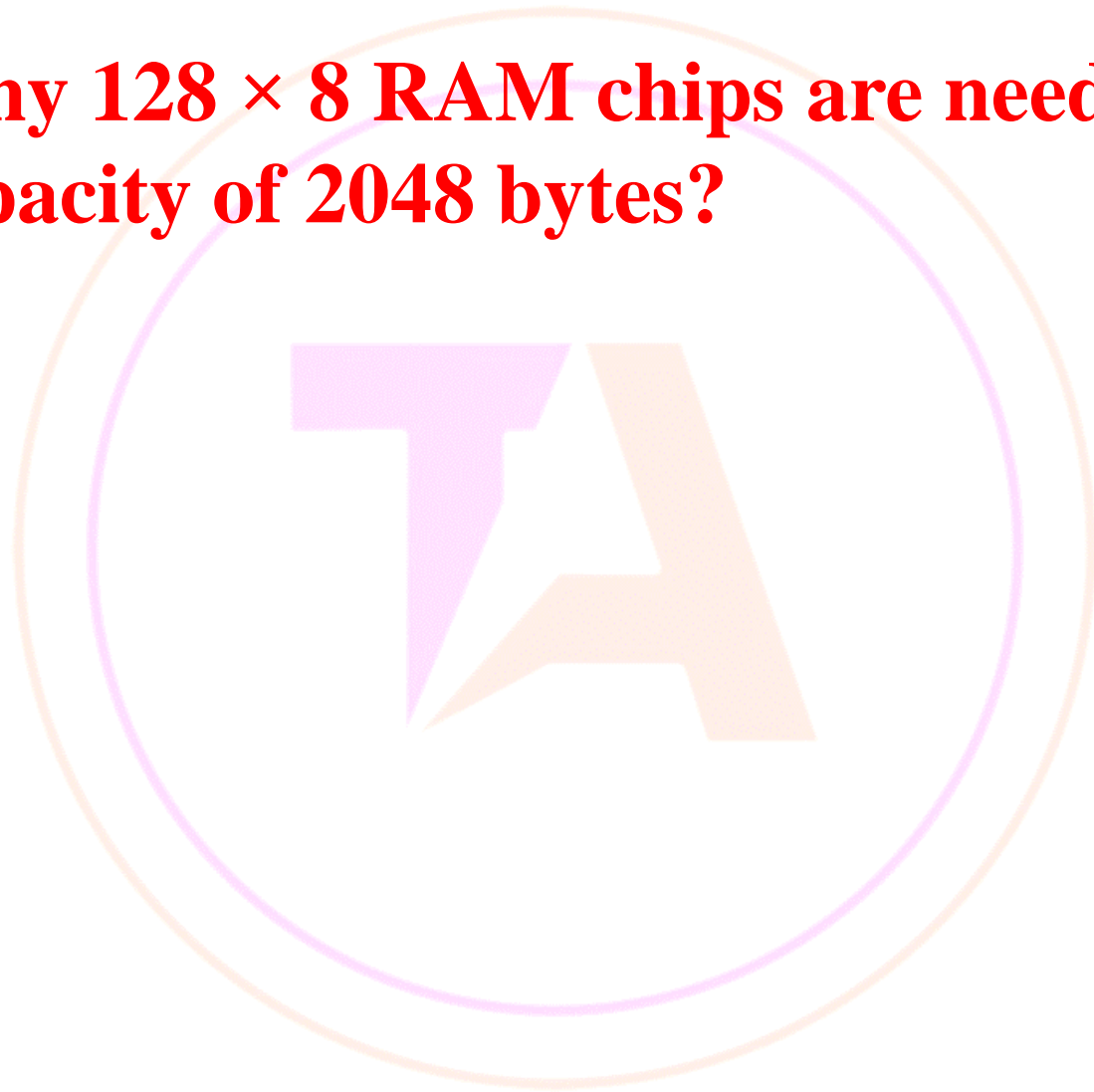
**Statement II: A series of digital media files that are released at regular intervals and downloaded to the user's computer are known as Podcasts. These media files are stored and maintained centrally.**

**In the light of the above statements, choose the correct answer from the options given below:**

- A. Both Statement I and Statement II are true**
- B. Both Statement I and Statement II are false**
- C. Statement I is true but Statement II is false**
- D. Statement I is false but Statement II is true**

**Q. How many  $128 \times 8$  RAM chips are needed to provide a memory capacity of 2048 bytes?**

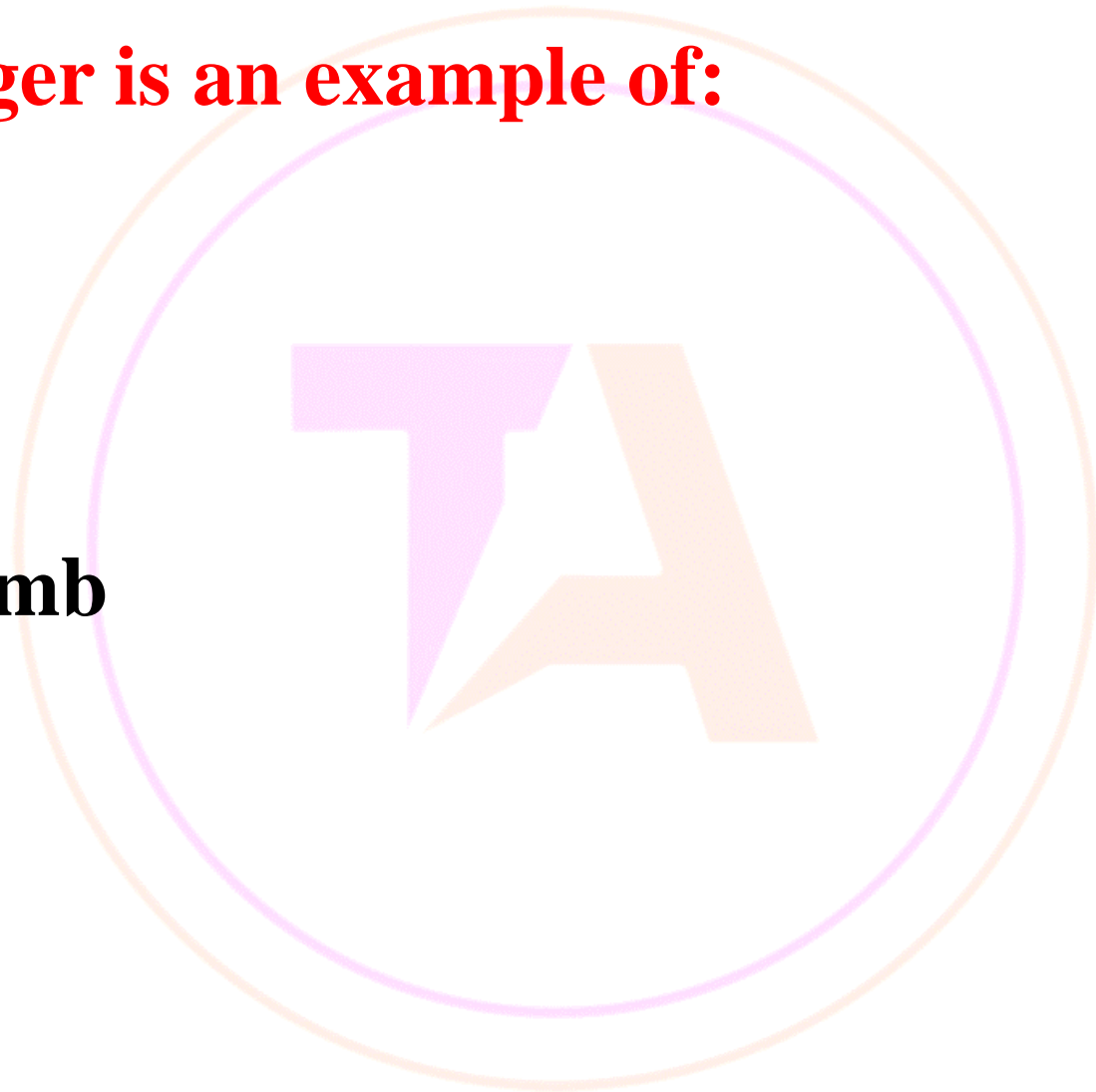
1. 2
2. 8
3. 4
4. 16





**Q. A keylogger is an example of:**

- 1. Trojan**
- 2. Spyware**
- 3. Worm**
- 4. Logic Bomb**



**Q. Given below are two statements:**

**Statement I: 8 megabytes =  $2^{13}$  gigabytes**

**Statement II: The decimal equivalent of the binary number  $(11101.101)_2$  is  $(29.625)_{10}$**

**In the light of the above statements, choose the correct answer from the options given below:**

- A. Both Statement I and Statement II are true**
- B. Both Statement I and Statement II are false**
- C. Statement I is true but Statement II is false**
- D. Statement I is false but Statement II is true**

**Q. Regarding wearable technology, which of the following tasks is/are accomplished by wearable devices?**

- A. Providing more security compared to other computing devices**
- B. Sharing of a wearable device's Internet connection with other connected computers**
- C. Assisting hearing impaired persons**

**Choose the correct answer from the options given below:**

- 1. A and B only**
- 2. B only**
- 3. B and C only**
- 4. C only**

**Q. A software company requires '1 GB RAM minimum and 2 GB RAM recommended' for its new Operating System (OS) software. The likely outcome of attempting to install this OS on a computer with 1 GB RAM would be that..**

- 1. files will fail to save**
- 2. peripheral devices will fail to work**
- 3. the OS will fail to install and therefore the computer will not run**
- 4. the computer will not run at its optimum performance**



**Q. Which of the following statements are correct regarding VoLTE?**

- (A) VoLTE stands for 'Voice over Long Term Evaluation'.**
- (B) It is a digital packet voice service delivery over IP via an LTE access network.**
- (C) Provides more efficient use of spectrum than traditional voice.**
- (D) Eliminates the need to have voice on one network and data on another network.**

**Choose the correct answer from the options given below:**

- 1. A, B, C and D Only**
- 2. B, C and D Only**
- 3. A, B and C Only**
- 4. A, C and D Only**

# Bihar STET Computer Science



**Q. Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R**

**Assertion A: Static RAM is typically used for PC's main memory while Dynamic RAM is used for CPU cache.**

**Reason R: Static RAM is faster and more expensive than Dynamic RAM.**

**In light of the above statements, choose the correct answer from the options given below**

- 1. Both A and R are true and R is the correct explanation of A**
- 2. Both A and R are true but R is NOT the correct explanation of A**
- 3. A is true but R is false**
- 4. A is false but R is true**



**Q. Arrange the following computer memory types from the slowest to the fastest speed:**

- A. Main memory (RAM)**
- B. L2 Cache**
- C. Hard Disk**
- D. L1 Cache**
- E. CD-ROM**

- A. मुख्य मेमोरी (RAM)**
- B. L2 कैशे**
- C. हार्ड डिस्क**
- D. L1 कैशे**
- E. CD-ROM**

**Choose the correct answer from the options given below:**

- 1. E, C, A, B, D**
- 2. E, C, A, D, B**
- 3. B, D, A, C, E**
- 4. C, E, B, A, D**

## **Q. What is the concept of International Net Neutrality?**

- 1. Imposed limitations for end-to-end Internet access**
- 2. Broadband service providers can show preference to content**
- 3. Unimpeded end-to-end Internet access and usage**
- 4. All content that flows throughout the Internet should not be treated equally.**



**Q. A movie requires 16 gigabytes of storage. How long will it take to download this movie, if the download speed is 64 megabytes per second? (1KB = 1024 Bytes)**

- 1. 64 seconds**
- 2. 128 seconds**
- 3. 256 seconds**
- 4. 512 seconds**

**Q. Which of the following statements are correct?**

- (A) IP addresses are used to identify computers on the Internet.**
- (B) Internet and WWW are two separate but related terms: Internet is a service on the WWW while WWW is the network infrastructure providing such service.**
- (C) Large files such as videos which cannot be sent by e-mail as attachments, can be sent to another computer via FTP.**

**Choose the correct answer from the options given below:**

- 1. (A) and (B) only**
- 2. (A) and (C) only**
- 3. (B) and (C) only**
- 4. (A), (B), (C)**

**Q. Given below are two statements:**

**Statement I : Artificial Intelligence (AI) learns from changing circumstances, whereas virtual reality is an artificially created environment used to give a feeling of 'being there'.**

**Statement II : QR, a type of more sophisticated barcode which uses a matrix of dark squares on a light background, stands for Quick Reaction.**

**In the light of the above statements, choose the most appropriate answer from the options given below:**

1. Both Statement I and Statement II are correct
2. Both Statement I and Statement II are incorrect
3. Statement I is correct but Statement II is incorrect
3. Statement I is incorrect but Statement II is correct

**Q. Which of the following statements are correct?**

- A. Internet is larger than intranet**
- B. Intranet is larger than internet**
- C. Internet and intranet are same**
- D. Internet is a network of networks**
- E. World Wide Web is an example of intranet**

**Choose the correct answer from the options given below:**

- I. B and E only**
- II. A and D only**
- III. C and E only**
- IV. B and C only**



## BIHAR STET 2024

### COMPUTER SCIENCE

~~7000~~

मात्र

**1999/-**

70% डिस्काउंट

**COMPLETE PLAN**

**P1+P2**



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## Target Abhi Mobile App



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