Information and Communication Technology (ICT)

Unit 8

Practice Questions from Previous Years' Question Papers

UGC NET 2021

1. Given below are two statements regarding the address bus in a computer system.

   Statement I: Address bus carries signals relating to addresses between the processor and memory.

   Statement II: It is bi-directional.

   In 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

2. Which of the following statements about Anti-virus software are correct?

   A. Problem files/programs are quarantined and can be automatically removed

   B. Check all files before being loaded or run

   C. Use a database to identify potential risks

   D. Used for data authenticity

   Choose the correct answer from the options given below:

   (a) B, C and D only

   (b) A, B and C only

   (c) A, C and D only

   (d) A, B and D only

3. Match List I with List II

List I (ICT applications)		List II (Example)	
A.	Measurement applications	I.	Simulating car crashes
B.	Control applications	II.	River pollution
C.	Modelling applications	III.	Automatic oven
D.	Expert systems	IV.	Medical diagnosis

   Choose the correct answer from the options given below:

   (a) A-(IV), B-(I), C-(II), D-(III)

   (b) A-(I), B-(II), C-(IV), D-(III)

   (c) A-(II), B-(III), C-(IV), D-(I)

   (d) A-(II), B-(III), C-(I), D-(IV)

4. In computers, ASCII stands for:

   (a) Algorithm Selection Code Information Interchange

   (b) Asympatatic Sorting Code Intermediate Interface

   (c) American Standard Control Information Interchange

   (d) American Standard Code for Information Interchange

5. A reputed company employed Mr. Harsh to manage and maintain their networking architecture and wide-area connectivity. Which of these best describes his job profile?

   (a) Programmer

   (b) Architect

   (c) Networking engineer

   (d) Web designer

6. Given below are two statements:

   Statement I: Operating system is a set of programs necessary to carry out the operation for a specified application.

   Statement II: Hardware represents the physical and tangible parts of the computer.

   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

7. Multimedia files are the documents that contain a confirmation of

   A. Text   B. Photograph

   C. Video   D. Computer

   E. Audio

Choose the correct answer from the options given below:

(a) A, C, and D only

(b) A, B, C, and E only

(c) A, B, C, and D only

(d) B, C, D, and E only

8. Given below are two statements:

Statement I: A Webinar allows a speaker from the hosting organization to share multimedia content with audiences that can be located anywhere.

Statement II: A Webinar allows speakers and participants to share multimedia content located anywhere.

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

(a) Both Statement I and Statement II are correct

(b) Both Statement I and Statement II are incorrect

(c) Statement I is correct but Statement II is incorrect

(d) Statement I is incorrect but Statement II is correct

9. Given below are two statements:

Statement I: The 4 quadrants of SWAYAM are (1) Video lectures (2) specially prepared reading materials that can be downloaded (3) an online discussion forum for clarifying doubts (4) Time to time assessment by experts.

Statement II: Swayam Prabha is a group of 34 DTH channels denoted to telecast high-quality educational programmes on a 24 × 7 basis.

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

10. CAE stands for:

(a) Calculation Arithmetic Equation

(b) Calculation Aided Estimate

(c) Computer-Aided Engineering

(d) Critical Assessment for Energy

11. Given below are two statements:

Statement I: Hardware represents the physical and tangible parts of the computer.

Statement II: Operating system is tailor-made software according to the user's requirements.

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

12. Kritika is making her science project presentation on Friction using presentation software. She wants to add the phrase 'Presentation on Friction' at the bottom of each page. Which option should she use?

(a) Project   (b) Bullets

(c) Header   (d) Footer

13. Given below are two statements:

Statement I: Database refers to a collection of logically related data.

Statement II: The purpose of assembly language is to bring man and computer together.

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

14. What is the purpose of a Blockchain?

(a) To block the network

(b) To block the data

(c) To secure the data

(d) To interlink the data

ANSWER KEY

1	(c)	2.	(b)	3.	(d)	4.	(d)	5.	(c)	6.	(d)	7.	(b)	8.	(c)	9.	(d)	10.	(c)
11.	(c)	12.	(d)	13.	(c)	14.	(c)												