

UGC NET Dec 2020 and June 2021 27th December Evening Shift

1.) Study the table carefully and answer the question that follow.

The following table have 5 items along with number of items brought and sold for each quarter for each item.

(B - Item brought initially in the quarter, S - Item sold in that quarter)

Quarter	Q1		Q2		Q3		Q4	
	B	S	B	S	B	S	B	S
A	300	170	400	335	370	320	410	370
B	270	180	280	200	350	330	380	340
C	280	210	350	310	250	200	250	200
D	320	250	340	290	280	180	280	240
E	325	275	370	315	320	170	265	190

Find out the average of difference of item brought and item sold for Quarter 1.

- (A) 81
- (B) 82
- (C) 83
- (D) 84

2.) Study the table carefully and answer the question that follow.

The following table have 5 items along with number of items brought and sold for each quarter for each item.

(B - Item brought initially in the quarter, S - Item sold in that quarter)

Quarter	Q1		Q2		Q3		Q4	
	B	S	B	S	B	S	B	S
A	300	170	400	335	370	320	410	370
B	270	180	280	200	350	330	380	340
C	280	210	350	310	250	200	250	200
D	320	250	340	290	280	180	280	240
E	325	275	370	315	320	170	265	190

Which quarter has maximum number of items sold?

- (A) Q1
- (B) Q2
- (C) Q3
- (D) Q4

3.) Study the table carefully and answer the question that follow.

The following table have 5 items along with number of items brought and sold for each quarter for each item.

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Quarter	Q1		Q2		Q3		Q4	
	B	S	B	S	B	S	B	S
A	300	170	400	335	370	320	410	370
B	270	180	280	200	350	330	380	340

C	280	210	350	310	250	200	250	200
D	320	250	340	290	280	180	280	240
E	325	275	370	315	320	170	265	190

What is the percentage increase of items sold from Q1 to Q2?

- (A) 32.74
- (B) 31.53
- (C) 33.64
- (D) 31.36

4.) Study the table carefully and answer the question that follow.

The following table have 5 items along with number of items brought and sold for each quarter for each item.

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Quarter	Q1		Q2		Q3		Q4	
Items	B	S	B	S	B	S	B	S
A	300	170	400	335	370	320	410	370
B	270	180	280	200	350	330	380	340
C	280	210	350	310	250	200	250	200
D	320	250	340	290	280	180	280	240
E	325	275	370	315	320	170	265	190

Which quarter has the minimum bought to sold ratio?

- (A) Q1
- (B) Q2
- (C) Q3
- (D) Q4

5.) Study the table carefully and answer the question that follow.

The following table have 5 items along with number of items brought and sold for each quarter for each item.

(B - Item brought initially in the quarter, S - Item sold in that quarter)

Quarter	Q1		Q2		Q3		Q4	
Items	B	S	B	S	B	S	B	S
A	300	170	400	335	370	320	410	370
B	270	180	280	200	350	330	380	340
C	280	210	350	310	250	200	250	200
D	320	250	340	290	280	180	280	240
E	325	275	370	315	320	170	265	190

Which item has the minimum average items sold for all quarters?

- (A) B
- (B) C
- (C) D
- (D) E

6.) The interactive content in modern books may contain a two-dimensional code (2D pattern of dark rectangles) called QR codes. What is the full form of QR?

- (A) Quality Reader
- (B) Quick Response
- (C) Quality Record
- (D) Quick Router

7.) Arrange the given objectives for cognitive domain in hierarchical order as the basis of the complexity of the task

- A. Application
- B. Evaluation
- C. Knowledge
- D. Analysis
- E. Synthesis

Choose the correct answer from the options given below

- (A) A, E, B, D, C
- (B) B, D, C, E, A
- (C) C, A, D, E, B
- (D) D, B, C, A, E

8.) Given below are two statements

Statement I: Working memory has a development trajectory- it increases throughout childhood and it decreases on ageing

Statement II: Working memory does not get adversely affected by ongoing stresses.

In 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.) Choice Based Credit System allows students to choose which of the following?

- A. Interdisciplinary
- B. Intradisciplinary
- C. Skill-oriented papers
- D. Open-book examinations
- E. Cataloguing services

Choose the correct answer from the options given below:

- (A) A, B and C only
- (B) B, C and D only
- (C) C, D and E only
- (D) A, D and E only

10.) Match List I with List II

List I (Information Processing Model)

- A. Inductive thinking
- B. Mnemonics

- C. Advance Organisers
- D. Synetics
- List II (Developer)
- I. Hilda Taba
- II. Michael Pressley
- III. Bill Gordon
- IV. David Ausubel

Choose the correct answer from the options given below:

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

ANS. B

11.) Scientists should put aside, their personal beliefs and biases and see the world as it "really" is. Which one of the following philosophical positions supports the above statement?

- (A) Constructivism
- (B) Inductivism
- (C) Positivism
- (D) Post-positivism

12.) Which of the following are the characteristics of a strong hypothesis?

- A. Adequate for its purpose
- B. Potentially testable
- C. Presently testable
- D. Better than its rival hypothesis
- E. Unrelated to the theory

Choose the correct answer from the options given below:

- (A) A, B and C only
- (B) A, C and D only
- (C) B, D and E only
- (D) C, D and E only

13.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A : Causal relationship between the independent variable and the dependent variable cannot be established beyond doubt, if the researcher fails to control the conditions.

Reason R : A set of confounding variables are likely to influence the value of the dependent variable, if they are not controlled by the researcher.

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

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct and R is NOT the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

14.) Given below are two statements

Statement I: A moderating variable is a second independent variable that is included because it is believed to have a significant contingent effect on the original independent variable and dependent variable relationship.

Statement II: An extraneous variable may conceivably affect a given relationship between the independent variable and the dependent variable.

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

15.) Match List I with List II

List I

- A. Grounded Theory
- B. Critical discourse analysis
- C. Thematic analysis
- D. Ethnographic content analysis

List II

- I. Altheide
- II. Foucault
- III. Glaser and Strauss
- IV. Braun and Clarke

Choose the correct answer from the options given below:

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

16.) Which one of the following makes communication ineffective?

- (A) Clarity
- (B) Ambiguity
- (C) Brevity
- (D) Sincerity

17.) Which one of the following is not a barrier variable in communication?

- (A) Culture
- (B) Eye-contact
- (C) Curiosity
- (D) Climate

18.) A communication scenario in which two teachers are debating about the curriculum for the 21 century, is an instance of:

- (A) Group Communication
- (B) Interpersonal Communication
- (C) Lateral Communication

(D) Diagonal Communication

19.) In which one of the following types of communication, the data is pushed from a server to a client without client request?

- (A) Pull Technology
- (B) Education Technology
- (C) Push Technology
- (D) Ancient Technology

20.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A : Active participation of all students in a classroom is an indicator of the teachers' communication skills.

Reason R : Teachers should focus more on classroom management (as discipline matters) than instruction.

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

- (A) Both A and R are true and R is the correct explanation of A
- (B) Both A and R are true and R is NOT the correct explanation of A
- (C) A is true but R is false
- (D) A is false but R is true

21.) What comes next in the following sequence?

$$\frac{1}{2}, \frac{2}{6}, \frac{4}{18}, \frac{8}{54}, ?$$

- (A) $\frac{10}{108}$
- (B) $\frac{24}{108}$
- (C) $\frac{16}{162}$
- (D) $\frac{16}{106}$

22.) Given below are two statements

Statement I: The product of all the digits on the dial of a telephone is 15840.

Statement II: At 10% interest rate, Rs 10000 will become Rs. 13310 in 3 years, when interest is compounded annually.

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

23.) Consider the following fractions:

- A. $\frac{8}{9}$
- B. $\frac{9}{11}$
- C. $\frac{2}{3}$
- D. $\frac{7}{9}$

E. $\frac{7}{11}$

Which of the following is the correct decreasing sequence?

- (A) $B > A > D > E > C$
- (B) $B > A > D > E > C$
- (C) $A > B > C > E > D$
- (D) $B > A > C > E > D$

24.) The angle made by the minute hand of a clock while moving from 4:40 pm to 6:10 pm is

- (A) 450°
- (B) 540°
- (C) 490°
- (D) 610°

25.) A vendor allows a discount of 16% to his customers and still gains 20%. The marked price of an item, which costs the vendor ₹ 11900, is

- (A) ₹ 17000
- (B) ₹ 15700
- (C) ₹ 16800
- (D) ₹ 14800

26.) Match List I with List II

List I (Functions of Language)

- A. Directive Function
- B. Expressive Function
- C. Informative Function
- D. Performative Function

List II (Examples)

- I. That's too bad.
- II. I apologise.
- III. Close the window.
- IV. New Delhi is the capital of India.

Choose the correct answer from the options given below:

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

27.) Identify the fallacy committed in the argument: "Since all humans are mortal, the human race must some day come to an end".

- (A) Fallacy of Amphiboly
- (B) Fallacy of Composition
- (C) Fallacy of Division
- (D) Fallacy of Converse Accident

28.) Identify the fallacy committed in the argument

Some spaniels are not good hunters.

All spaniels are gentle dogs.

Therefore, no gentle dogs are good hunters.

- (A) Fallacy of Exclusive Premises
- (B) Fallacy of Illicit Major
- (C) Fallacy of Illicit Minor
- (D) Fallacy of Four Terms

29.) Which of the following pramanas are accepted by the Nyāya School?

- A. Pratyakṣa
- B. Anumāna
- C. Upamāna
- D. Sabda
- E. Arthāpatti

Choose the correct answer from the options given below:

- (A) A, B and D only
- (B) A, B and C only
- (C) A, B, C and D only
- (D) A, B, D and E only

30.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A : According to the Nyāya system, the argument "Sound is quality because it is visible is fallacious."

Reason R : It commits the fallacy of Svarupāsīdhya.

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

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct and R is NOT the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

31.) What type of non-volatile memory would most likely store firmware, like a computer's BIOS?

- (A) RAM
- (B) EEPROM
- (C) Hard Disk
- (D) Tape Drive

32.) Identify the correct sequence of the following storage devices in the descending order of their emergence.

- A. DVD
- B. CD-ROM
- C. Magnetic Tape
- D. Floppy Disk

Choose the correct answer from the options given below

- (A) B, A, D, C
- (B) A, B, C, D
- (C) A, C, D, B
- (D) A, B, D, C

33.) Given below are two statements

Statement I : 'Twitter' is a microblogging site that is very restricted on the size of the post.

Statement II : 'Wiki' allows readers to edit posts, and entries in it are usually not in chronological order.

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

34.) With respect to computer storage devices, which of the following is/are magnetic storage device(s)?

- A. CD-R
- B. DVD-RW
- C. Flash memory stick
- D. External Hard Drive

Choose the correct answer from the options given below:

- (A) C only
- (B) D only
- (C) C and D only
- (D) A and B only

35.) Match List I with List II

List I (Memory Devices)

- A. Pen Drive
- B. Hard Disk
- C. CD ROM
- D. RAM

List II (Memory Types)

- I. Optical memory
- II. Flash Memory
- III. Magnetic Memory
- IV. Volatile Memory

Choose the correct answer from the options given below:

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

36.) Given below are two statements

Statement I: Oxidative stress is an imbalance between accumulation of oxygen reactive substances and ability of body to destroy them.

Statement II: Oxidative stress is significantly lowered by the presence of oxidants.

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

37.) What is gasohol?

(A) A type of chemical used for chemical remediation of waste water

(B) An instrument used to detect gas leakages in factories

(C) Mixture of gasoline and ethanol

(D) A type of chemical for the decomposition of stubbles

38.) The target year for achieving the Sustainable Development Goals is

(A) 2020

(B) 2025

(C) 2030

(D) 2035

39.) Match List I with List II

List I (Disaster Management Cycle Components)

A. Prevention

B. Preparedness

C. Recovery

D. Response

List II (Explanation)

I. Land-use planning

II. Rescue

III. Risk assessment

IV. Construction

Choose the correct answer from the options given below:

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

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

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

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

40.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A: The decibel level for a given loudness may be different at different frequencies in the audible range.

Reason R: The human ear has a differential frequency response.

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

(A) Both A and R are true and R is the correct explanation of A

(B) Both A and R are true and R is NOT the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

41.) For reservation of the socially disadvantaged sections, the ceiling fixed by the Supreme Court of India is-

(A) 28%

(B) 40%

(C) 50%

(D) 55%

42.) Which of the following is termed as the Magna Carta of English Education in India?

- (A) Elphinstone's minute
- (B) Macaulay's minute
- (C) Wardha education scheme
- (D) Wood's Despatch

43.) According to the Indian Constitution, some fundamental rights of the citizens can be suspended during

- (A) National disasters
- (B) National emergency
- (C) Financial emergency
- (D) National elections

44.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R
Assertion A: The complexity of the social context in which higher education exists in India, very likely, makes systemic reforms impossible

Reason R: The inadequacy of infrastructure and the attitude of the academic community to prefer status quo than taking risks, with experiments and innovation that require initiative and considerable efforts, are the principal impediments.

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

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct and R is NOT the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

45.) Given below are two statements

Statement I: Education for sustainable development has to be related to the process of taking decisions pertaining to economy, politics and natural environment

Statement II: Inviting senior citizens to schools and allowing them to speak on the environment of their childhood, may help in developing a concept of sustainable development

In 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

46.) Read the given passage and answer the following questions. (46-50)

Leaders in powerful positions once thought workers should be told what to do and how to do it. They believed strict control was needed for the organization to function efficiently and effectively fixed organizational hierarchies, structured jobs and work processes and detailed procedures, let everyone know that those at the top had power and those at the bottom had none.

Today, the old views of the distribution of power are no longer valid. An emphasis on control serves to squelch motivation, innovation and morale, rather than produce desired results. Today's leaders share power rather than hoard it. They find ways to increase an organization's brain power by getting everyone

involved and committed.

Which one of the following reflects the traditional conceptualization of leader?

- (A) Shares power with employees
- (B) Commands and controls employees
- (C) Creates opportunities for learning for employees
- (D) Uses employees' knowledge

47.) Read the given passage and answer the following questions. (46-50)

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Today, the old views of the distribution of power are no longer valid. An emphasis on control serves to squelch motivation, innovation and morale, rather than produce desired results. Today's leaders share power rather than hoard it. They find ways to increase an organization's brain power by getting everyone involved and committed.

An emphasis on control serves to enhance

- (A) Motivation, innovation and morale
- (B) Productivity and profit
- (C) Demotivation and maintain status quo
- (D) Sharing of knowledge

48.) Read the given passage and answer the following questions. (46-50)

Leaders in powerful positions once thought workers should be told what to do and how to do it. They believed strict control was needed for the organization to function efficiently and effectively fixed organizational hierarchies, structured jobs and work processes and detailed procedures, let everyone know that those at the top had power and those at the bottom had none.

Today, the old views of the distribution of power are no longer valid. An emphasis on control serves to squelch motivation, innovation and morale, rather than produce desired results. Today's leaders share power rather than hoard it. They find ways to increase an organization's brain power by getting everyone involved and committed.

The example of declining assets (land, building, and machine) is given to

- (A) Emphasize the role of employee knowledge and skills
- (B) Indicate command-and-control of leaders
- (C) Suggest rising costs of assets
- (D) Highlight organizational hierarchy

49.) Read the given passage and answer the following questions. (46-50)

Leaders in powerful positions once thought workers should be told what to do and how to do it. They believed strict control was needed for the organization to function efficiently and effectively fixed organizational hierarchies, structured jobs and work processes and detailed procedures, let everyone know that those at the top had power and those at the bottom had none.

Today, the old views of the distribution of power are no longer valid. An emphasis on control serves to squelch motivation, innovation and morale, rather than produce desired results. Today's leaders share

power rather than hoard it. They find ways to increase an organization's brain power by getting everyone involved and committed.

What is the theme of this passage?

- (A) Shift from employee empowerment to control
- (B) Diminishing value of assets
- (C) How to get things done from workers
- (D) Employee empowerment leads to improvement in production

50.) Read the given passage and answer the following questions. (46-50)

Leaders in powerful positions once thought workers should be told what to do and how to do it. They believed strict control was needed for the organization to function efficiently and effectively fixed organizational hierarchies, structured jobs and work processes and detailed procedures, let everyone know that those at the top had power and those at the bottom had none.

Today, the old views of the distribution of power are no longer valid. An emphasis on control serves to squelch motivation, innovation and morale, rather than produce desired results. Today's leaders share power rather than hoard it. They find ways to increase an organization's brain power by getting everyone involved and committed.

"Today's leaders share power rather than hoard it", means

- (A) Leaders work towards centralization of power
- (B) Leaders always discourage employee initiatives
- (C) Leaders distribute responsibilities among workers
- (D) Leaders prioritize production over worker satisfaction