

## UGC NET Dec 2020 and June 2021 26<sup>th</sup> December Morning Shift

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

In the given table, students enrollment for five different courses in 5 different years are given.

Note: The number in the brackets give the maximum number of seats in each course.

Courses	BTech (60)	MCA (60)	MTech (30)	MPhil (20)	Integrated MTech (30)
Year					
2016	45	52	25	16	26
2017	55	56	26	18	24
2018	48	43	21	14	25
2019	53	40	23	15	23
2020	50	46	28	13	27

In which year, was there the highest student enrollment?

- (A) 2019
- (B) 2017
- (C) 2020
- (D) 2016

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

In the given table, students enrollment for five different courses in 5 different years are given.

Note: The number in the brackets give the maximum number of seats in each course.

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2019	53	40	23	15	23
2020	50	46	28	13	27

What is the difference between average vacant seats in BTech and average vacant seats in MTech during 2016-20.

- (A) 4.2
- (B) 4.3
- (C) 4.4
- (D) 4.1

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

In the given table, students enrollment for five different courses in 5 different years are given.

Note: The number in the brackets give the maximum number of seats in each course.

Courses	BTech (60)	MCA (60)	MTech (30)	MPhil (20)	Integrated MTech (30)
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2018	48	43	21	14	25
2019	53	40	23	15	23
2020	50	46	28	13	27

Which year has highest number of vacant seats?

- (A) 2019
- (B) 2020
- (C) 2018
- (D) 2017

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

In the given table, students enrollment for five different courses in 5 different years are given.

Note: The number in the brackets give the maximum number of seats in each course.

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2018	48	43	21	14	25
2019	53	40	23	15	23
2020	50	46	28	13	27

Which course has minimum number of total vacant seats during 2016 to 2020?

- (A) B.Tech
- (B) MCA
- (C) M.Tech
- (D) M.Phil

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

In the given table, students enrollment for five different courses in 5 different years are given.

Note: The number in the brackets give the maximum number of seats in each course.

Courses	BTech (60)	MCA (60)	MTech (30)	MPhil (20)	Integrated MTech (30)
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2019	53	40	23	15	23

2020	50	46	28	13	27
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What is the difference between average enrollment in 2016 and average enrollment in 2017?

- (A) 3.0
- (B) 3.3
- (C) 3.4
- (D) 3.2

6.) Who among the following is the national coordinator for engineering courses to be launched on SWAYAM platform?

- (A) AICTE
- (B) NCERT
- (C) NPTEL
- (D) UGC

7.) What is the name of the software application that facilitates building an early accessible bookmark warehouse that becomes searchable to members or the public?

- (A) Social Bookmarking
- (B) Database Management System
- (C) Enterprise Resource Planning
- (D) Reference Management Tool

8.) Given below are two statements

Statement I: Reliability refers to whether a test measures what it says it measures.

Statement II: Validity refers to whether a test consistently yields the same or similar scores.

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.) Metacognition comprises which of the following skills?

- A. Planning
- B. Developing
- C. Monitoring
- D. Costing
- E. Evaluation

Choose the correct answer from the options given below:

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

10.) Match List I with List II

*List I (Learning Strategy)*

- A. Planning and focusing attention
- B. Organising and remembering
- C. Comprehension
- D. Cognitive monitoring

*List II (Action taken)*

- I. Creating example
- II. Self-questioning and self-testing
- III. Setting goal and timetables
- IV. Using mnemonics, imagery

Choose the correct answer from the options given below:

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

11.) The kind of sample that is simply available to the researcher by virtue of its accessibility, is known as

- (A) Quota sampling
- (B) Snowball sampling
- (C) Convenience sampling
- (D) Web sampling

12.) Which among the following is the names for validity whereby researcher uses a future criterion measure, rather than a contemporary one?

- (A) Convergent validity
- (B) Predictive validity
- (C) Construct validity
- (D) Concurrent validity

13.) Given below are two statements

Statement I: If we are interested in the worldview of members of a certain social group, a qualitative research strategy that is sensitive to how participants interpret their social world may be preferable.

Statement II: If a researcher is interested in a topic on which little or no research has been done in the past, quantitative research may be easy to employ because there is little prior literature from which to draw leads.

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

14.) Match List I with List II

List I ( *Research Design* )

- A. Sampling design
- B. Statistical design
- C. Observational design
- D. Operational design

List II ( *Type of study* )

- I. Pre-planned design for analysis
- II. Structured or well thought out instruments for collection of data
- III. Advanced decisions about operational procedures
- IV. Probability sampling design

Choose the correct answer from the options given below:

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

15.) Given below are two statements

Statement I: In the 'before-and-after without control' design, a single test group or area is selected and the dependent variable is measured before the introduction of the treatment.

Statement II: In the 'before-and-after with control' design, two areas are selected but the dependent variable is not measured in both the areas for an identical time-period before the treatment.

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

16.) According to communication research findings, some amount of gossip is necessary for

- (A) Pro-social motivation
- (B) Prevention of distortion
- (C) Extending communication range
- (D) Relocation of emotional affiliations

17.) Which of the following are important in intercultural communication?

- A. Valuelessness
- B. Absence of respect
- C. Power distance
- D. Individualism
- E. Gender roles

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, B and E only

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

Assertion A: Smiles and laughter should be avoided when messages are serious.

Reason R: Non-verbal cues are always contextual like verbal communication

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 but R is NOT the correct explanation of A

(C) A is true but R is false

(D) A is false but R is true

19.) Identify the sequence of human communication skills.

A. Public speaking

B. Group interaction

C. Relationship

D. Feed forward

E. Self - presentation

Choose the correct answer from the options given below

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

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

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

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

20.) Match List I with List II

List I (Communication barriers)

A. Psychological

B. Organizational

C. Personal

D. Semantic

List II (Examples)

I. Use of technical language

II. Poor retention

III. Functional specialization

IV. Fear of challenge to authority

Choose the correct answer from the options given below:

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

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

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

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

21.) What number should replace the question mark?

7, 8, 9, 10, 12, 14, 16, 20, 21, 28, ?

(A) 27

- (B) 36
- (C) 32
- (D) 29

22.) X is as much younger to Y as he is older to Z. If the sum of the ages of Y and Z is 36 years. What is the age of X?

- (A) 16 Years
- (B) 15 Years
- (C) 18 Years
- (D) 20 Years

23.) Two persons are walking in the same direction at rates 3 km/hr and 6 km/hr. A train comes running from behind and passes them in 9 and 10 seconds respectively. The speed of the train is

- (A) 33 km/hr
- (B) 22 km/hr
- (C) 44 km/hr
- (D) 35 km/hr

24.) Given below are two statements

Statement I: Between 4 and 5, the minute hand and hour hand of a clock coincide at 20 minutes past 4.

Statement II: Between 4 and 5, the minute hand and hour hand of a clock are at a right angle at 40 minutes past 4.

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

25.) Which of the following statements are true?

- A. If A's salary is 20% more than B, then B's salary is 20% less than A.
- B. By selling 28 pens, a man gains the selling price of 4 pens. The gain is 15%.
- C. The average of N consecutive natural numbers starting from 1 is  $\left(\frac{N+1}{2}\right)$

Choose the correct answer from the options given below.

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

26.) Match List I with List II

List I (Proposition in Square of Opposition )

- A. If 'A' is True I.
- B. If 'E' is True II.
- C. If 'T' is True III.

D. If 'O' is True IV.

List II (Resultant Proposition)

'T' is false; 'O' is True

'E' is false; 'A' is undetermined

'E' and 'T' is undetermined

'E' is false; 'T' is True

Choose the correct answer from the options given below:

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

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

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

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

27.) When a middle term does not go further than producing a state of mental oscillation between two opposite views, the case is of:

(A) Fallacy of Viruddha

(B) Fallacy of Prakaransama

(C) Fallacy of Asiddha

(D) Fallacy of Savyabhichara

28.) The Fallacy committed in the argument

"All textbooks are books intended for careful study. Some reference books are books intended for careful study. Therefore, some reference books are textbooks." is

(A) Illicit Major

(B) Illicit Minor

(C) Fallacy of four Terms

(D) Undistributed Middle

29.) In an illustration of inference that the 'Sun moves, like other moving objects its position changes' represents

(A) Pūrvavat Anumana

(B) Śeṣavat Anumana

(C) Sāmānyatodṛṣṭa

(D) Pakṣhta

30.) Pick the incorrect statement

(A) 'Truth' and 'Falsehood' may be predicated of propositions but never of arguments

(B) In the case of deductive argument, the technical terms 'correct' and 'incorrect' are used

(C) Inductive arguments are neither valid nor invalid but evaluated as better or worse

(D) The conclusion of a deductive argument follows from its premises necessarily

31.) What is Phishing?

(A) Sending data to a hacker

(B) Some-one sends legitimate-looking emails to users

- (C) Search automatically for an item on the internet
- (D) Checking the spelling of websites

32.) Given below are two statements

Statement I: If the sensor data is outside the acceptable range, then the microprocessor/computer will take action.

Statement II: Sensors in the control application only send data to the microprocessor/computer when something happens.

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

33.) Which of the following statements are correct?

- A. A WLAN is a wide area network
- B. A hub sends an incoming data packet to the correct device on a network
- C. An IP address is assigned to a device at the manufacturing stage
- D. A network Interface card is needed to allow a device to connect to a network
- E. Routers inspect data packets received over the internet

Choose the correct answer from the options given below

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

34.) Match List I with List II

*List I*

- A. Input device
- B. Output device
- C. Pointing Device
- D. Sensor Device

*List II*

- I. Traffic light simulator
- II. Scanner
- III. Speaker
- IV. Trackerball

Choose the correct answer from the options given below:

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











