

UGC NET Dec 2019 6th December Morning Shift

1.) In case the population of research is heterogeneous in nature which of the following sampling techniques will ensure optimum representativeness of sample units? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Simple random sampling
- (B) Stratified random sampling
- (C) Cluster sampling
- (D) Systematic sampling

2.) "In the hospital, some nurses don't wear white dress, some doctors have private practice and medicines prescribed are of high cost. Therefore, treatment in this hospital is of poor quality". What fallacy does this argument make? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Fallacy of composition
- (B) Slippery slope
- (C) Fallacy of accident
- (D) Fallacy of division

3.) "If it rains, then the drought will end. The drought has ended. Therefore, it rained". Which kind of fallacy does this commit? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Deductive fallacy
- (B) Inductive fallacy
- (C) Abductive fallacy
- (D) Informal fallacy

4.) The length of the side of a square ($5.0\text{ cm} \times 5.0\text{ cm}$) is increased by 1%. By what percentage (%) the area of the square increases? (UGC NET 6th Dec 2019 Morning Paper)

- (A) 1 %
- (B) 2 %
- (C) 2.5 %
- (D) 4 %

5.) A research scholar while reporting the research results in the form of a thesis acknowledge the support of his/her supervisor in the preface. This will be treated as a (UGC NET 6th Dec 2019 Morning Paper)

- (A) Sheer formality
- (B) Needed formality
- (C) Superfluous act
- (D) Part of ethicality

6.) A person buys 3 items of Rs.1500 each and 2 items of Rs. 1800 each from a shopping mall. On the total bill a discount of 10% is given. What is the average cost of the items? (UGC NET 6th Dec 2019 Morning Paper)

- (A) 1650
- (B) 1458
- (C) 1658
- (D) 1550

7.) Classroom communication is

- (a) Like a computer-program
- (b) Dictatorial

- (c) Purposeful
- (d) Pragmatic

Choose the correct option from those given below: - (UGC NET 6th Dec 2019 Morning Paper)

- (A) (a) and (c)
- (B) (c) and (b)
- (C) (d) and (b)
- (D) (c) and (d)

8.) Consider the following statements and choose the right option

- (a) Middle term should be distributed in atleast one premise
 - (b) Middle term should be present in the conclusion
 - (c) Both premises can be particular in a valid argument
 - (d) Both premises can be negative in a valid argument (UGC NET 6th Dec 2019 Morning Paper)
- (A) (c) and (d)
 - (B) Only (c)
 - (C) Only (a)
 - (D) (b) and (c)

9.) Which of the following is an example of a maximum performance test? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Projective personality test
- (B) Interest inventory
- (C) Aptitude test
- (D) Attitude scales

10.) In which of the following steps of research, the scope for creativity and imagination is utmost? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Identifying the research problem and defining it
- (B) Figuring out the related studies and the techniques used by other researchers
- (C) Identifying variables and hypothesizing
- (D) Data analysis and presentation of results

11.) Classroom Interactions are influenced largely by (UGC NET 6th Dec 2019 Morning Paper)

- (A) Student's commitment
- (B) Teacher centric environment
- (C) Organisational oversight
- (D) Unsolicited interventions

12.) Which of the following is true with reference to anupalabdhi as a means of knowledge? (UGC NET 6th Dec 2019 Morning Paper)

- (A) I do not cognize the pot on the table, therefore it is absent there
- (B) I directly perceive the absence of pot on the table
- (C) I infer the absence of pot on the table since I do not find it to be there
- (D) I know the absence of the pot on the table because I know its similarity with other absences

13.) Below are given two sets in which set I specifies the four behaviour modification techniques which set II indicates their exemplifications. Match the two sets:

Set I (Behaviour modification techniques)

- (a) Positive reinforcement
- (b) Negative reinforcement

(c) Punishment

(d) Extinction

Set II (Example)

(i) Withdrawal of pleasant stimulus or application of an aversive stimulus to stop the behaviour

(ii) Painful or aversive stimulus is presented to stop the occurrence of behaviour

(iii) The behaviour increases in frequency after the removal of the stimulus

(iv) The behaviour increases in frequency after the presentation of the stimulus

Choose your answer from the following options: (UGC NET 6th Dec 2019 Morning Paper)

(A) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)

(B) (a)-(ii), (b)-(i), (c)-(iii), (d)-(iv)

(C) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

(D) (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)

14.) Which one of the following is the characteristic feature of an argument? (UGC NET 6th Dec 2019 Morning Paper)

(A) It is either valid or invalid

(B) It is neither valid nor invalid

(C) It is true or false

(D) It is neither true nor false

15.) Identify the term 'X' in the following series

4, 12, 42, 168, X (UGC NET 6th Dec 2019 Morning Paper)

(A) 588

(B) 672

(C) 756

(D) 772

16.) The smallest integer greater than 1 which is simultaneously a square and a cube of certain integers is (UGC NET 6th Dec 2019 Morning Paper)

(A) 8

(B) 9

(C) 36

(D) 64

17.) The emphasis in memory level teaching is on which of the following?

(a) Organisation of thought and ideas

(b) Seeing of relationship among facts

(c) Systematic presentations to enable quick reproduction

(d) Critical thinking

(e) Mastery of correct sequencing of facts

(f) Segregating one feature from another

Choose the correct option from those given below: - (UGC NET 6th Dec 2019 Morning Paper)

(A) (a), (b) and (c)

(B) (a), (c) and (e)

(C) (b), (c) and (d)

(D) (d), (e) and (f)

18.) The most characteristics feature of an adolescent learner which determines his/her social and moral development is the (UGC NET 6th Dec 2019 Morning Paper)

(A) Tendency to be away from parents

- (B) Concern for hero worshipping for emulating values and standards
- (C) Mixing up with peers in the neighbourhood
- (D) Identify crisis

19.) Which of the following statistical technique will be appropriate for data analysis when the observations are available in the form of frequencies? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Parametric 't' test
- (B) Non-parametric 'u' test
- (C) Non-parametric 'chi-square' test
- (D) Parametric correlated 't' test

20.) Which of the following teaching method(s) is /are contributive to direct learning?

- (a) Team teaching and lecturing
- (b) Simulation and role playing
- (c) Lecture with or without use of audio-visuals
- (d) Participation in workshop and assignments
- (e) MOOCs and heuristics
- (f) Interactive presentations

Choose the correct option from those given below: - (UGC NET 6th Dec 2019 Morning Paper)

- (A) (b), (d) and (e)
- (B) (a), (b) and (c)
- (C) (c), (d) and (f)
- (D) (d), (e) and (f)

21.) When a large number of students with different performance levels are there in the class, for uniform imparting of educative interactions, a teacher should opt for a communication which is: (UGC NET 6th Dec 2019 Morning Paper)

- (A) Top-down and linear
- (B) Technology-enabled
- (C) Individual-centric
- (D) Self-projected

22.) A 50 year old man has a son whose age is $\frac{2}{5}$ of his age. After how many years, the ratio of the age of the man to his son will be $\frac{5}{3}$? (UGC NET 6th Dec 2019 Morning Paper)

- (A) 10 years
- (B) 15 years
- (C) 20 years
- (D) 25 years

23.) Given below are two statements one is labelled as Assertion A and the other is labelled as Reason R (UGC NET 6th Dec 2019 Morning Paper)

Assertion A: Classroom communication is pre-decided by social and institutional demands

Reason R: Positive educative actions should guide learners to acquire knowledge of social significance

In the light of the above two statements, choose the correct option:

- (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

24.) Swapping of encoder-decoder roles in communication happens due to (UGC NET 6th Dec 2019 Morning Paper)

- (A) Cognitive disruptions
- (B) Semantic noise
- (C) Feedback analysis
- (D) Weak channelisation

25.) A college teacher does research with a view to depict the reality situations relating to home conditions of students and hostels provided for. Which of the following research format will be helpful to do so? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Experimental research
- (B) Descriptive research
- (C) Participant observation based research
- (D) Ethnographic research

Consider the following table that shows the amount of exports (in crore Rs.) from three different companies A, B and C over the years 2012-2018. Based on the data in the table, answer the questions 26-30 (UGC NET 6th Dec 2019 Morning Paper)

Year-wise amount of Exports from companies

Year	Amount of exports (in crore Rs.)		
	A	B	C
2012	40	90	70
2013	70	50	100
2014	50	70	130
2015	80	70	100
2016	110	90	70
2017	60	110	90
2018	130	150	110

26.) For which of the following pairs of years, the total exports from the three companies put together are equal?

- (A) 2014 and 2017
- (B) 2015 and 2017
- (C) 2016 and 2017
- (D) 2014 and 2015

27.) Average annual amount of exports during the given period for company B is approximately what percent of the average annual amount of exports for company C?

- (A) 89.64 %
- (B) 91.21 %
- (C) 94.03 %
- (D) 93.33 %

28.) What was the difference between the average exports of three companies in 2017 and the average exports of three companies in 2012?

- (A) Rs. 15.33 crores
- (B) Rs. 18.67 crores
- (C) Rs. 25 crores

(D) Rs. 20 crores

29.) In how many of the given years, were the exports from company A more than its average annual exports over the given years?

- (A) 2
- (B) 3
- (C) 4
- (D) 5

30.) In which year, the absolute difference between the exports from companies A and B was the minimum?

- (A) 2013
- (B) 2014
- (C) 2015
- (D) 2016

31.) Which among the following is the flagship scheme of the Ministry of Skill Development and Entrepreneurship implemented by National Skills Development Corporation? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Robotics India
- (B) Artificial Intelligence & schools
- (C) Make in India
- (D) Pradhan Mantri Kaushal Vikas Yojna

32.) In order to meet the demands of market economy and produce competent graduates, who can compete with their counterparts in international markets, the first and foremost change that needs to be introduced in the prevailing system of Indian higher education is related to: (UGC NET 6th Dec 2019 Morning Paper)

- (A) Admission process
- (B) Curriculum
- (C) Educational technology
- (D) Appointment of teachers

33.) Major sources of oxygen demanding waste in fresh water systems are

- (a) Agricultural run-off
- (b) Food processing
- (c) Ore mining
- (d) Sewage effluent
- (e) Landfill sites

Choose the correct option from those given below: - (UGC NET 6th Dec 2019 Morning Paper)

- (A) (a), (d) and (e)
- (B) (b), (d) and (e)
- (C) (a), (b) and (d)
- (D) (a), (b), (c) and (d)

34.) Which of the following statements is/are correct? (UGC NET 6th Dec 2019 Morning Paper)

- (a) For the sequence of integers represented in binary as 00111, 01001, 01011, P..... the next integer P would be represented as 01101
- (b) A byte is a binary number consisting of exactly 8 bits

Choose the correct option:

- (A) a only
- (B) b only
- (C) Both a and b
- (D) Neither a nor b

35.) Select the option that includes file formats suitable for distributing sound files across the Internet.
(UGC NET 6th Dec 2019 Morning Paper)

- (A) wmv, mp4, wma, mp3
- (B) avi, midi, wav, mp3
- (C) avi, mov, wmv, mp3
- (D) midi, wav, wma, mp3

36.) Which of the following communication technologies employ only asynchronous communication?

- (a) Video conferencing
- (b) Email
- (c) Forums
- (d) Instant messaging

Choose the correct option: (UGC NET 6th Dec 2019 Morning Paper)

- (A) (a) and (c) only
- (B) (d) and (b) only
- (C) (c) and (b) only
- (D) (a) and (d) only

37.) Match the following study skills with their effective learning techniques:

Study skills

- (a) Elaborative interrogation
- (b) Practice testing
- (c) Self-Explanation
- (d) Interleaved practice

Learning techniques

- (i) Mixing different kinds of problems together when studying
- (ii) Explaining what a section of text or an example problem means to you
- (iii) Testing yourself on the material you are trying to learn
- (iv) Answering why a fact is true

Choose the correct option: (UGC NET 6th Dec 2019 Morning Paper)

- (A) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)
- (B) (a)-(i), (b)-(ii), (c)-(iv), (d)-(iii)
- (C) (a)-(ii), (b)-(iv), (c)-(i), (d)-(iii)
- (D) (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)

38.) Which among the following natural hazards has relatively slow onset? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Volcanic eruptions
- (B) Droughts
- (C) Wild fires
- (D) Land and slides

39.) Which of the following is/are major issues arising out of the growing reliance on information technology? (UGC NET 6th Dec 2019 Morning Paper)

- (a) Profitability

- (b) Security threats
- (c) Privacy concerns

Choose the correct option:

- (A) (a) and (b) only
- (B) (a) and (c) only
- (C) (b) and (c) only
- (D) (a), (b) and (c)

40.) Match List-I with List-II in the context of computer networking:

List I

- (a) VOIP
- (b) Fibre-optic cable
- (c) URL
- (d) UTP cable

List II

- (i) Make use of light pulse to transmit data
- (ii) Use of internet to make phone calls
- (iii) Most appropriate to connect computers in a small building
- (iv) Text used by web browsers to locate a web address on the Internet

Choose your answer from the following options: (UGC NET 6th Dec 2019 Morning Paper)

- (A) (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
- (B) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)
- (C) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)
- (D) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

41.) Biomass fuels have the potential to form a sustainable carbon-neutral energy source because they (UGC NET 6th Dec 2019 Morning Paper)

- (A) Produce carbon dioxide on combustion as much as they consume when they grow
- (B) Produce less amount of carbon dioxide on combustion compared to the amount they use during their growth
- (C) Have carbon content same as fossil fuels
- (D) Do not produce hazardous emissions on combustion

42.) In the age of four Vedas, students were admitted to the Vedic schools after performance of which ceremony, among the following: (UGC NET 6th Dec 2019 Morning Paper)

- (A) Upanayana ceremony
- (B) Utsarjana ceremony
- (C) Satapatha brahmana
- (D) Dhanurvedya ceremony

43.) Which one of the following represents the correct order of sequence for reading skills in the context of research? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Read, question, recall, review, survey
- (B) Questions, survey, read, recall, review
- (C) Recall, review, survey, question, read
- (D) Survey, question, read, recall, review

44.) Under Kyoto protocol, the parties, in the second commitment period, have to reduce their greenhouse gas emissions with reference to 1990 levels by atleast (UGC NET 6th Dec 2019 Morning Paper)

- (A) 10%
- (B) 12%
- (C) 15%
- (D) 18%

45.) Which of the following is a renewable natural resource? (UGC NET 6th Dec 2019 Morning Paper)

- (A) Biological diversity
- (B) Tin
- (C) Natural gas
- (D) Salt

Read the passage and answer questions from 46 to 50. (UGC NET 6th Dec 2019 Morning Paper)

Anyone who has even been in a classroom where the teacher's presentation was lifeless, static, and without vocal variety can appreciate the common sense value of the affective side of teaching. However, unlike the other behaviours, affect cannot be captured in transcripts of teaching or by classroom interaction instruments. Narrowly focussed research instruments often miss a teacher's affective nature, which emerges from a more holistic view of the classroom. This affective nature is the foundation on which one can build a warm and nurturing relationship with his or her learners. What the instruments miss, the students see clearly. Students are good perceivers of the emotions and intentions underlying a teacher's actions and they often respond accordingly. A teacher who is excited about the subject being taught and shows it by facial expressions, voice inflection, gesture and movement-thus communicating respect and caring for the learner is more likely to hold the attention of students and motivate them to higher levels of achievement than one who does not exhibit these behaviours. Students take their cues from these affective signs and lower or heighten their engagement with the lesson accordingly. Enthusiasm is an important aspect of a teacher's affect. Enthusiasm is the teacher's vigour, power, involvement, excitement and interest during a classroom presentation and willingness to share this emotion with learners, who will want to respond in kind.

46.) The affective nature of teaching is reflected in

- (A) Deeper understanding of the classroom environment
- (B) Other behaviours of the teacher
- (C) The recording of classroom interaction
- (D) The limited reliance on research instruments

47.) Students respect a teacher who

- (A) is emotional
- (B) displays concern for students
- (C) has a powerful
- (D) has narcissistic attitude

48.) When does one feel the need for the value of affective aspects of teaching?

- (A) When a teacher has a vocal variety
- (B) When a teacher makes a dynamic presentation
- (C) When a teacher's presentation is monotonous
- (D) When a teacher's lecture is beyond expectation

49.) The affective signs will provide students

- (A) The basis for understanding contents
- (B) Exhibitional behaviours
- (C) Cues to hold attention
- (D) A basis which triggers further enthusiasm

50.) The passage focusses attention on

- (A) Lifeless classroom presentation
- (B) Affective factors of teaching
- (C) Students as emotional learners
- (D) Measuring teacher's affective nature