

UGC NET June2020 29th September Morning Shift

1.) A teacher uses a question-answer session to ensure desired learning outcomes in his/her classroom. In this process, he/she offers the following type of comment to a few answers given by a student

"Yes, you are right, good"

This will be considered as an example of

- (A) Positive feedback
- (B) Negative feedback
- (C) Confirmatory feedback
- (D) Corrective feedback

2.) In the cognitive domain of teaching-learning objectives; which will be categorized as a higher type of learning outcomes?

- A. Knowledge and comprehension
- B. Analysis of conceptual elements
- C. Application of acquired knowledge and skills
- D. Synthesis involving the creative organization of ideas
- E. Evaluation involving judgment using internal or external standards

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) B, D and E only

3.) Given below are two statements.

Statement I: Maximum performance tests are designed to assess the upper limits of the examinee's knowledge and ability

Statement II: Typical response tests are designed to measure specific behaviours and characteristics of examinees.

In light of the above statements, choose the most appropriate 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 correct but Statement II is false
- (D) Statement I is incorrect but Statement II is true

4.) Match List I with List II

List I	List II
Behavioural teaching competencies	Description
A. Instructing	I. Optimizing 'on task' and minimizing 'off task' activities
B. Communicating	II. Watching groups, behaviours and pace etc. and reacting quickly
C. Managing	III. Using methods and activities by the teacher to promote learning
D. Monitoring	IV. Transmitting thoughts and ideas verbally and non-verbally

Choose the correct answer from the options given below:

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

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

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

Assertion A: Evaluation is said to be formative when the intention is to identify scope and potential for improvement of teaching-learning system

Reason R: The form of such evaluation is informal and has to take place during instruction /teaching

In light of the above statement, 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

6.) In which research method manipulation of 'independent variable' and control of 'extraneous variables' are neither possible nor desirable?

- (A) Experimental method
(B) Ex post facto method
(C) Historical method
(D) Descriptive survey method

7.) Identify those statements which describe the characteristic features of qualitative research paradigm

- A. Researchers tend to analyze their data inductively
B. The substantive research hypothesis is tested via Null hypothesis
C. Data take the form of words or pictures
D. Actual settings are the direct source of data
E. It assumes that there are social facts with a single objective reality

Choose the correct answer from the options given below:

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

8.) In quantitative research paradigm which of the following sampling methods are given preference?

- A. Simple random sampling
B. Stratified sampling
C. Quota sampling
D. Snowball sampling
E. Systematic sampling

Choose the correct answer from the options given below:

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

9.) Match List I with List II

List I	List II
Research concepts	Description
A. Hypothesis	I. It is statistical test that does not make assumptions about the parameters
B. Sample	II. Device using which data are collected in research
C. Research tool	III. A subset drawn from a larger at to represent it
D. Non-parametric tests	IV. A tentative statement indicating relationship between two or more than two variables

Choose the correct answer from the options given below:

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

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

Assertion A: A cross break is a numerical tabular presentation of data usually in frequency or percentage form in which variables are cross-partitioned to study relations between them

Reason R: The categories are set up according to the research hypothesis

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 but 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

Read the given passage carefully and answer the questions that follow

Much is still unknown about human behavior. Unanswered questions remain and further research is necessary. Knowledge about motivation, leader behavior, and change will continue to be of great concern to practitioners of management for several reasons: It can help improve the effective leadership of human resources; it can help in preventing resistance to change, restriction to output, and personnel disputes; and often it can lead to a more productive organization. Our intention has been to provide a conceptual framework that may be useful to you in applying the conclusions of the behavior sciences. The value that a framework of this kind has is not in changing one's knowledge, but in changing one's behavior in working with people.

We have discussed three basic competencies in influencing: diagnosing - being able to understand and interpret the situation you are attempting to influence adapting - being able to adapt your behavior and the resources you control to the contingencies of the situation; and communicating - being able to put the message in such a way that people can easily understand and accept it. Each of these competencies is different and requires a different developmental approach. For example, diagnosing is cognitive or of the mind in nature and requires thinking skills; adapting is behavioral in nature and requires behavioral practice; and communicating is process-oriented and requires learning and interrelating the key steps in the process. Because these three competencies require different knowledge and skills, how do we continue the process that we started with.

The key to starting the process of changing behavior is sharing what you have learned with other people in your own organization. Two things occur when people who work together all have a common language. First they are able to give each other feedback and help in a very rational, unemotional way that effects behavior.

Second, when followers start to realize that if their manager is using situational leadership, it is not the manager, but their behavior, that determines the leadership style to be used with them.

11.) Which of the following prohibits resistance to change?

- (A) Knowledge of leader behaviour
- (B) Removing restriction on output
- (C) Personnel disputes
- (D) Non-productive organization

12.) What is the value outcome of applying a theoretical framework of behavioral science?

- (A) Changes in one's own knowledge
- (B) Change in one's behavior while working with others
- (C) Not understandable human behaviour
- (D) Emergence of value-loaded framework

13.) Each of the basic competencies needs

- (A) Exclusivity
- (B) Situational contingency
- (C) Inter-relation with others
- (D) A different approach in acquiring it

14.) What prompts a change in a person's behaviour?

- (A) Leadership style
- (B) Situational support to the managers
- (C) Sharing of learning outcomes with others in the organization
- (D) Segregation of competencies

15.) The inferences that can be drawn from the passage are

- A. Common language among people in an organization will ensure unbiased feedback
- B. People are known for fluctuating behaviour
- C. People's behaviour influences the leader
- D. Emotions and human behaviour are separate and easily explicable

Choose the correct answer from the options given below:

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

16.) When communication meets the aims and objectives of classroom teaching, it becomes

- (A) Extra-ordinary
- (B) Personal
- (C) Functional
- (D) Obligatory

17.) Which of the following can be considered as psychological barriers to effective communication?

- A. Descriptive message
- B. Inattentiveness
- C. Too much reliance on the written word
- D. Limited retention
- E. Logical organization
- F. Flow of thought

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) D, E and F only

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

Assertion A: Human touch in communication enables students to become participatory

Reason R: In a technology-driven classroom environment, the communicative role of a teacher is secondary.

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.) Match list I with List II

List I	List II
Type of communication	Characteristics
A. Vertical	I. Feedback oriented
B. Horizontal	II. Inter-personal
C. Circular	III. Top-down
D. Transactional	IV. Rumour-oriented

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

20.) Given below are two statements

Statement I: Persuasive communication by a teacher in the classroom is intended to make his/her version of information acceptable to students

Statement II: If it happens at the institutional level, his purpose behind it is image building

In light of the above statements, choose the most appropriate 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

21.) A man is 30 years older than his son. Five years ago, his age was 6 times the age of his son. The age of the son is

- (A) 10 years
- (B) 11 years
- (C) 12 years
- (D) 15 years

22.) What is the next term in the following series?

4, 12, 28, 52,

- (A) 76
- (B) 84
- (C) 98
- (D) 104

23.) A motorist travels to a place 150km away at an average speed of 50km/hour and returns at a speed of 30km/hour. His average speed for the whole journey is

- (A) 35 km/hour
- (B) 37.5 km/hour
- (C) 40 km/hour
- (D) 42.5 km/hour

24.) A sum of money earning compound interest annually doubles itself after 4 years. What is the rate of interest?

- (A) $\approx 14\%$
- (B) $\approx 19\%$
- (C) $\approx 16\%$
- (D) $\approx 15\%$

25.) In the following letter series, the next term is

bdf, egi, hji,

- (A) kmo
- (B) jmp
- (C) ilo
- (D) kno

26.) Given below are two statements

Statement I: All knowledge is a recollection. It is true on a certain account

Statement II: All men by nature, desire understanding

In light of the above statements, choose the most appropriate 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

27.) Given below are two statements

Statement I: When I look deep into myself, I always stumble with one perception or another. I can never catch myself

Statement II: Self is the logical presupposition of all knowledge. Therefore, the concepts like substance and person cannot be applied to it

In light of the above statement, choose the most appropriate 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

28.) Given below are two statements

Statement I: Different communities exist independent of one another but jointly somehow they give an idea of communitarian life of a society

Statement II: Earth exists either through a blind chance or through an inner necessity or through an-external cause

In light of the above statements, choose the most appropriate 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

29.) Match List I with List

List I	List II
(Concepts)	(Schools)
A. Nirvana	I. Sankhya
B. Nihshreyasa	II. Jainism
C. Apavarga	III. Upanishads
D. Moksha	IV. Buddhism

Choose the correct answer from the options given below:

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

30.) Deduction proceeds from

- (A) Particular to universal
- (B) Universal to particular
- (C) Particular to particular
- (D) Universal to universal

Study the data given in the table and answer the questions that follow

The following table shows the monthly reporting of patients for different diseases M three hospitals in a city

Disease/Hospital	Hospital A	Hospital B	Hospital C
Heart Attack	320	240	360

Blood Sugar	650	1350	1950
Blood Pressure	700	1400	2100
Kidney Problems	210	420	630

31.) What is the percentage of number of patients reporting for blood sugar compared to the total patients in all three hospitals?

- (A) $\approx 25.90\%$
- (B) $\approx 38.24\%$
- (C) $\approx 39.4296\%$
- (D) $\approx 35.12\%$

32.) What is the average number of patients for the least reported disease?

- (A) ≈ 415.2
- (B) ≈ 325.4
- (C) ≈ 391.7
- (D) ≈ 306.6

33.) What is the percentage increase in the number of patients reporting heart attacks from hospital A to hospital C?

- (A) 12.5%
- (B) 13.2%
- (C) 11.9%
- (D) 9.2%

34.) For patients reporting for kidney problems, what is the ratio of the number of patients reporting at hospital A and those reporting at hospital C?

- (A) 2:3
- (B) 3:4
- (C) 1:3
- (D) 1:5

35.) What is the percentage increase in the total number of patients from hospital A to hospital C?

- (A) $\approx 120\%$
- (B) $\approx 168\%$
- (C) $\approx 141\%$
- (D) $\approx 145\%$

36.) What is the full form of the abbreviation GIF?

- (A) Graphics Interchange Format
- (B) Graphics Interchange File
- (C) Global Interchange Format
- (D) Graphics Input Format

37.) Which of the following correctly lists computer memory types from lowest to highest speed?

- (A) Main Memory, Cache Memory, Secondary Storage
- (B) Cache Memory, Secondary Storage, Main Memory
- (C) Secondary Storage, Main Memory, Cache Memory
- (D) Secondary Stage, Cache Memory, Main Memory

38.) Speed of Internet is measured in:

- (A) GHz
- (B) Gbps
- (C) GB
- (D) dpi

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

Assertion A: Machine Learning requires good quality and sufficient data to train and test the algorithm

Reason R: For correct classification, good quality data which is free from noise, and sufficient data is required for training and testing of the algorithm.

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 but 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

40.) Using a website to pour out one's grievances is called

- (A) Cyber venting
- (B) Web hate
- (C) Web anger
- (D) Cyber abuse

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

Assertion A: Lakes are considered to be more susceptible to pollution than rivers.

Reason R: Water in lakes may take decade(s) to be replaced

In light of the above statement, 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 but 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

42.) Thermal reactors produce energy by fission of the following nuclear fuels

- A. Uranium-235 (^{235}U)
- B. Uranium-233 (^{233}U)
- C. Uranium-238 (^{238}U)
- D. Thorium-232 (^{232}Th)
- E. Plutonium-239 (^{239}Pu)

Choose the correct answer from the options given below:

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

43.) Noise pollution measured in decibels (dB) with reference to a standard sound intensity of the following magnitude

- (A) 1 pico watt per m^2
- (B) 1 milliwatt per m^2
- (C) 1 nanowatt per m^2
- (D) 1 microwatt per m^2

44.) In a polluted urban area, which one of the following has the highest concentration (ppm) in photochemical smog?

- (A) Ozone
- (B) PAN
- (C) Hydrocarbons (without methane)
- (D) Carbon monoxide

45.) Match Ust 1 with List

List I	List II
Environmental Protocol/Agreement/Action Plan	Provisions
Montreal Protocol	I. Integrated water resource management
Paris Agreement	II. Emissions trading
Climate Action Plan	III. Phasing out ozone-depleting substances
Kyoto Protocol	IV. Intended Nationally Determined Contributions

Choose the correct answer from the options given below

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

46.) The Chinese scholars, I-Qing and Xuan Zang visited ancient Nalanda University during

- (A) 5th Century CE
- (B) 7th Century CE
- (C) 10th Century CE
- (D) 12th Century CE

47.) In which year, the Union Government decided that all cases pertaining to the allocation of grants-in-aid from public funds to the Central Universities and other universities and institutions of higher learning might be referred to the University Grants Commission?

- (A) 1952
- (B) 1953
- (C) 1954
- (D) 1956

48.) Given below are two statements

Statement I: Universities are established by Central/State Act under 2(f) of the UGC Act, 1956

Statement II: Deemed to be University is declared by a Notification of the Central Government, on the advice of the UGC, under section 3 of the UGC Act, 1956

In light of the above statements, choose the most appropriate 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 correct but Statement II is false
- (D) Statement I is incorrect but Statement II is true

49.) According to the International Commission on Education for the Twenty-first Century headed by Jacques Delors, which of the following main tensions will be witnessed during the 21st century?

- A. The tension between the global and the local
- B. The tension between tradition and modernity
- C. The tension between the spiritual and the material
- D. The tension between the poor and the rich
- E. The tension between the developed and the developing societies

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

50.) Match List I with List II

List I	List II
Categories of environmental education objectives	Examples of those objectives
A. Environmental Awareness	I. To help social groups and individuals identify and solve environmental problems
Environmental Knowledge	I. To help social groups and individuals acquire a set of values for the environment
Environmental Attitude	III To help social groups and individuals acquire a sensitivity to the total environment
Environmental Skill	IV. To help social groups and individuals gain a variety of experience in environment and its associated problems

Choose the correct answer from the option given below:

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