

UGC NET June2020 25th September Evening Shift

1.) Which school of thought laid down one of the principles of teacher and learner role as follows. The teacher's role is not to direct, but to advise because the child's own interest should determine what he learns."

- (A) Perennialism
- (B) Progressionism
- (C) Essentialism
- (D) Reconstructionism

2.) From the list given below, identify those features which relate to an approach to teaching and learning in indirect strategies of teaching

- A. Engagement in an inquiring process
- B. Concept-based content presentation
- C. Gaining attention and informing the learners of the instructional objective
- D. Presenting the stimulus material and stimulating recall of prerequisite learning
- E. Encouraging students to use references from their own experiences

Choose the correct answer from the options given below:

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

3.) For use during teaching, from the list given below, identify questions that are 'process type' rather than 'content-type'

- A. Divergent questions
- B. Fact-based questions
- C. Concept-based questions
- D. Lower order questions
- E. Higher-order questions

Choose the correct answer from the options given below:

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

4.) Given below are two statements

Statement I: Reliability is a necessary but insufficient condition for validity

Statement II: In respect of evaluation tools, validity is not an all or none concept but it exists as a continuum

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

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

Assertion A: Systems of education which are place-specific, time-specific and person-specific are said to be formal and are created by laid down law and procedures

Reason R: Open universities and open schools are the example of a formal system of education because they are created by laid down procedures

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

6.) Which of the following methods of acquiring knowledge save time and effort on the part of the researcher?

- (A) Method of experience
- (B) Inductive method
- (C) Deductive method
- (D) Method of consulting an authority

7.) Which of the following are features of the qualitative research paradigm?

- A. The research is concerned with understanding the social phenomena from the participant's perspective
- B. It seeks to establish relationships, among variables and explains the causes of changes in measured social facts
- C. It is conducted in actual settings as the direct source of data and the researcher is the key instrument
- D. It is concerned with the process rather than simply with outcomes or products
- E. It attempts to establish universal context free generalization

Choose the correct answer from the options given below:

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

8.) A researcher administers an achievement test to assess and indicate the possible effect of an independent variable in his/her study. The distribution of scores on the test is found to be negatively skewed. On the basis of this, what can be stated with regard to the difficulty level of the test?

- (A) The test is very easy
- (B) The test is very difficult
- (C) The test is neither easy nor difficult
- (D) The test is easy and needs normalization

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

Assertion A: A researcher has to observe codal formalities at all stages without scope and leeway for offending moral and ethical norms

Reason R: In respect of data collection, data analysis and interpretation there is, however, a considerable scope of being ethically vulnerable

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

10.) The scope for employing ICI support is relatively more in which of the following stages of research?

- A. Problem formulation
- B. Hypothesis making
- C. Data collection
- D. Data analysis
- E. Data interpretation

Choose the correct answer from the options given below:

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

Read the given passage carefully and answer the questions that follow

According to Richard Beckhard, a transformation represents a vital organizational change. Transformation is characterized by certain features that clearly differentiate it from other types of change. First, according to Beckhard, it involves substantial and discontinuous change to the shape, structure, and nature of the organization, rather than incremental adjustments and fine-tuning of the current situation. One example of a discontinuous change would be when a firm changes from being production-driven to being customer-driven. Another would be a merger of two organizations. In both instances, the shape of the organization can be expected to change radically. An organization transforming from a production orientation to a customer orientation will need to drastically decentralize and delegate authority. In a merger, entirely new roles and working relationships will be created.

A second characteristic of transformation is that the need for change is caused by forces external to the organization rather than forces inside the organization. A typical example would be when an organization changes from a functional to a divisional structure in response to market forces or industry pressures in the form of competitor actions or regulatory changes. Currently, globalization is one of the most powerful external forces for organizational transformation.

A third distinguishing feature of transformation is that the change is deep and pervasive, rather than shallow and contained. The change affects all parts of the organization and involves many levels. Decentralization, downsizing and the geographic relocation of functions and activities exemplify changes that transform structural relationships deeply and pervasively.

Finally, transformation requires significantly different, and even entirely new, sets of actions by the members of the organization, rather than more or less of existing behavior patterns. Examples are changes to the norms and core values of an organization that are brought about through acquisition, deregulation, and privatization or through a drastic strategic repositioning such as shifting from a production-efficiency focus to a customer-service strategy.

11.) According to Richard Beckhard, transformation is what kind of change in the organisational structure?

- (A) Incremental
- (B) Discontinuous
- (C) Finetuning
- (D) One-time

12.) What happens when two organisations merge?

- A. Shape of the organisation will change
- B. Product orientation remains the same
- C. Drastic decentralisation of authority

D. Discontinuous change does not take place

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

13.) The pressure of market force can result in

- (A) Distortion of role perceptions
- (B) Changing to a functional structure
- (C) Changing to a divisional structure
- (D) Deregulation of competitive factors

14.) What are the main levels of organizational transformation?

- A. Downsizing
- B. Geographical relocation
- C. Contained changes
- D. Power to external forces

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 D only

15.) What does organizational transformation require?

- (A) Strengthening existing behaviours of members
- (B) Changes in norms and core values
- (C) Production-efficiency strategy
- (D) All pervasive structural relationships

16.) The domain of media appeal addresses the issues related to

- (A) Knowledge
- (B) Learning
- (C) Legality
- (D) Emotions

17.) Which of the following will make a student a good listener in the classroom?

- A. Ability to deflect attention
- B. Concentration
- C. Desire to understand
- D. Emotional outbursts
- E. Humility to know
- F. Ignoring the other side

Choose the correct answer from the options given below:

- (A) A, B and C only
- (B) B, C and D only
- (C) D, E and F only
- (D) B, C 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: Pedagogy and social interaction are two major areas of activity of teachers

Reason R: It is communication that is crucial for making both the activities important

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 Types of listeners

- A. Poor listeners
- B. Aggressive listeners
- C. Passive listeners
- D. Pseudo-intellectual

List II Characteristics

- I. Scare others
- II. Easily agree with the speaker
- III. Listen to ideas, but no emotions behind
- IV. Fidget repeatedly

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.) Find out the correct chronological order of the following educational communication ventures in India

- A. Krishi Darshan
- B. Gyan Darshan
- C. Vyas
- D. Gyan Vani

Choose the correct answer from the options given below

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

21.) The difference of the square of two consecutive even numbers is 84. What is the sum of these two consecutive even numbers?

- (A) 34
- (B) 38
- (C) 36
- (D) 42

22.) Identify the next term in the series

0, 8, 24, 48, ____

- (A) 72
- (B) 96

(C) 120

(D) 80

23.) Mr X is 40 years old and Mr Y is 60 years old. How many years ago was the ratio of their ages 3:5?

(A) 15 years

(B) 10 years

(C) 20 years

(D) 30 years

24.) In a river from a fixed location, two identical boats start moving up-stream and down-stream, respectively. The speed of the water current in the river is 3km/hr. If the speed of each of the boats on still water is 15km/hr, the separation between the boats after 12 min will be

(A) 3.6 km

(B) 5.6 km

(C) 6.0 km

(D) 7.2 km

25.) Consider the following letter series and identify the next term

Ace, fhj, kmo, ____

(A) npr

(B) rtv

(C) prt

(D) uwy

26.) Match List I with List II

List I Theories

A. Episteme and Doxa

B. Potential and Actual being

C. Vyavaharika and Parmarthik

D. Rational and Actual

List II Philosophers

I. Aristotle

II. Hegel

III. Sankara

IV. Plato

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 - II, D - I

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

27.) What type of cognition is beyond the ambit of perception?

(A) Anumiti

(B) Upamiti

(C) Nirvikalpaka pratyaksha

(D) Savikalpaka pratyaksha

28.) 'Golden mountain is fiery because it is smoky'

Which type of fallacy is committed by the above inference?

(A) Asraya siddhi

- (B) Svarupa siddhi
(C) Vyapyatva siddhi
(D) Savyabhichara

- 29.) In a proposition which is particular affirmative,
(A) Subject term is distributed but the predicate is not distributed
(B) Neither the subject nor the predicate is distributed
(C) Both subject and predicate are distributed
(D) Subject is undistributed but predicate is distributed

30.) Match List I with List II

List I Concepts

- A. Abhava
B. Anupalabdhi
C. Apoha
D. Syadavada

List II Schools

- I. Jainism
II. Buddhism
III. Vedanta
IV. Nyaya

Choose the correct answer from the options given below:

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

Study the data table and answer the questions that follow

The following table shows the maximum marks of each subject inside the bracket and percentage of marks obtained by seven students in six different subjects in the exam

Student/Subject	Computer science (150)	Chemistry (130)	Physics (120)	Geography (100)	History (50)	Math (40)
Piyush	90	50	90	60	70	80
Gaurav	100	80	80	40	80	70
Mayank	90	60	70	70	90	70
Vimal	80	65	80	80	60	60
Vikas	80	65	85	95	50	90
Varun	70	75	65	85	40	60
Ashish	65	35	50	77	80	80

- 31.) What are the average percentage of marks (%) obtained by all seven students in Physics?
(A) ~82.42
(B) ~74.28
(C) ~86.24
(D) ~95.14

- 32.) The number of students who obtained 60% and above marks in all subjects is:
(A) 4

- (B) 5
- (C) 2
- (D) 1

33.) What are the aggregate of marks obtained by Mayank in all the six subjects?

- (A) 432
- (B) 456
- (C) 460
- (D) 440

34.) In which subject is the overall percentage the best?

- (A) Computer Science
- (B) Chemistry
- (C) Math
- (D) Physics

35.) What is the overall percentage of Ashish?

- (A) 54%
- (B) 68%
- (C) 59.66%
- (D) 63%

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

- (A) International Service Provider
- (B) Internet Service Provider
- (C) Internet Software Provider
- (D) Internet Service Product

37.) What is the name for a web page address?

- (A) Directory
- (B) Folder
- (C) Domain
- (D) URL

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

Assertion A: Privacy and security of user data is at stake on the Internet

Reason R: No steps are being taken by the user for the security and privacy of data

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

39.) Which of the following is NOT a system software?

- (A) Compiler
- (B) Operating System
- (C) Application Software
- (D) Editor

40.) Which of the following is excluded from the domain of Artificial Intelligence?

- (A) Computer Vision
- (B) Machine Learning
- (C) Deep Learning
- (D) Text

41.) Which of the following are Millennium Development Goals?

- A. Eradicating extreme poverty and hunger
- B. Improving maternal health
- C. Addressing climate change
- D. Promoting gender equity and empowerment of women
- E. Ensuring energy security for all

Choose the correct answer from the options given below:

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

42.) Identify the correct sequence of energy sources in terms of their heat of combustion in increasing order

- A. Methane
- B. Natural fats and oils
- C. Dry wood
- D. Green wood

Choose the correct answer from the options given below

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

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

Assertion A: Polluted rivers with very high values of Biological Oxygen Demand (BOO) may produce a foul smell Reason

R: Anaerobic bacteria produce sulphur dioxide and oxides of nitrogen

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

44.) High hazard wastes may contain

- A. Pathogens
- B. Radioactive wastes
- C. Non-reactive substances
- D. Corrosive substances

Choose the correct answer from the options given below

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

(D) A, B and C only

45.) In case of which of the following primary pollutants, the man-made contributions to global emissions (million tonnes per year) is more compared to that from natural sources?

- (A) Sulphur Dioxide
- (B) Nitric Oxide
- (C) Methane
- (D) Carbon Dioxide

46.) In which of the Universities named below, correspondence courses were initiated in 1962?

- (A) University of Madras
- (B) University of Bombay
- (C) University of Calcutta
- (D) University of Delhi

47.) Which of the following areas of liberal education at the higher level in feudal society of Europe were classified under trivium?

- A. Geometry
- B. Astronomy
- C. Grammar
- D. Logic
- E. Rhetoric

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

48.) Which of the following categories of colleges is primarily intended for creating work ready manpower on a large scale?

- (A) Autonomous college
- (B) Community college
- (C) Agriculture college
- (D) Technical college

49.) Synchronous communication takes place through which of the following technologies?

- A. Video chat
- B. Virtual classrooms
- C. Audio conferencing
- D. Wikis
- E. Electronic mail

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 (Levels of academic freedom in higher education institutions)

- A. Personal level
- B. Professional level
- C. Institutional level
- D. Societal level

List II (Concerns at their levels)

- I. Democratic functioning in the higher education system and believing each individual worthy of attention
- II. Standard of behaviour and ethics we adopt and develop for ourselves
- III. Values which influence and cushion the operation of higher education
- IV. Exercising personal and professional values within the concept of the higher education institution

Choose the correct answer from the options given below:

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