

Q.1 Classroom Interactions are Influenced largely by

1. Student's commitment
2. Teacher centric environment
3. Organisational oversight
4. Unsolicited interventions

Q.2 A 50 year old man has a son whose age is $\frac{2}{5}$ of his age. After how many, the ratio of the age of the man to his son will be $\frac{5}{3}$?

1. 10 Years
2. 15 Years
3. 20 Years
4. 25 Years

Q.3 "In this 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?

1. Fallacy of composition
2. Slippery slope
3. Fallacy of accident
4. Fallacy of division

Q.4 which of the following is true with reference to anupalabdhi as a means of knowledge?

1. I do not cognize the pot on the table, therefore it is absent there
2. I directly perceive the absence of pot on the table
3. I infer the absence of pot on the table since I do not find it to be there
4. I know the absence of the pot on the table because I know its similarity with Other



Q.5 Identify the term 'X' in the following series

1. 62
2. 69
3. 60
4. 71

Q.6 Which one of the following is the characteristic feature of an argument?

1. It is either valid or invalid
2. It is neither valid nor invalid
3. It is either true or false
4. It is neither true nor false

Q.7 In which of the following steps of research, the scope for creativity and imagination is utmost?

1. Identifying the research problem and dening it
2. Figuring out the related studies and the techniques used by other researchers
3. Identifying variables and hypothesizing
4. Data analysis and presentation of results

Q.8 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?

1. Experimental Research
2. Descriptive Research
3. Participant observation based research
4. Ethnographic Research

Q.9 Which of the following is an example of maximum performance test?

1. Projective personality test
2. Interest inventory
3. Aptitude test
4. Attitude scales



Q.10 The length of the side of a square (5.0cmx5.0cm) is increased by 1%. By what percentage (%), the area of the square increases?

1. 1%
2. 2%
3. 5%
4. 4%

Q.11 consider the following statements and choose the right option

1. Middle term should be distributed in at least one premise
2. Middle term should be present in the conclusion
3. Both premises can be particular in a valid argument
4. Both premises can be negative in a valid argument

1. (c) and (d)
2. Only (c)
3. Only (a)
4. (b) and (c)

Q.12 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:

1. Top-down and linear
2. Technology – enabled
3. Individual – centric
4. Self – projected

Q.13 In case the population of research is heterogeneous in nature which of the following sampling techniques will ensure optimum representativeness of sample units?

1. Simple random sampling
2. Stratified random sampling
3. Cluster sampling
4. Systematic sampling



Q.14 Give Below are two statements one is labelled as Assertion (A) and the other is labelled as Reason (R)

- Assertion (A): Classrooms communication is pre-decided by social and institutional demands.
- Reasons (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:

1. Both (A) and (R) are true and is the correct explanation of (A)
2. Both (A) and (R) true and is not the correct explanation of (A)
3. (A) is true, but is (R) false
4. (A) is false, but is (R) true

Q.15 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?

1. 1000
2. 1458
3. 1658
4. 1550

Q.16 the emphasis in memory level teaching is on which of the following?

1. Organisation of thoughts and ideas
2. Seeing of relationships among facts
3. Systematic presentations to enable quick reproduction
4. Critical thinking
5. Mastery of concept sequencing of facts
6. Segregating one feature from another

Choose the answer from the following options:

1. (a), (b) and (c)
2. (a), (c) and (e)
3. (b), (c) and (d)
4. (d), (e) and (f)

Q.17 Classroom communication is

1. Like a computer- program
2. Dictatorial

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3. Purposeful
4. Pragmatic

Choose the correct option from those given below

1. (a) and (c)
2. (b) and (c)
3. (b) and (d)
4. (c) and (d)

Q.18 which of the following teaching method(s) is/are contributive to direct learning?

1. Team teaching and lecturing
2. Simulation and role playing
3. Lecture with or without use of audio- visuals
4. Participation in workshop and assignments
5. MOOCs and heuristics
6. Interactive presentation

Choose your answer from the following options:

1. (b), (d) and (e)
2. (a), (b) and (c)
3. (c), (d) and (f)
4. (d), (e) and (f)

Q. 19 which of the following statistical technique will be appropriate for data analysis when the observations are available in the form of frequencies?

1. Parametric 't' test
2. Non-parametric 'u' test
3. Non-parametric 'chi-square' test
4. Parametric correlated 't' test

Q.20 the most characteristic feature of an adolescent learner which determines his/her social and moral development is the

1. Tendency to be away from parents
2. Concern for hero worshipping for emulating values and standards



3. Mixing up with peers in the neighborhood
4. Identity crisis

Q.21 “If it rains, then the drought will end. The drought has ended. Therefore, it rained”. Which kind of fallacy does this commit?

1. Deductive fallacy
2. Inductive fallacy
3. Abductive fallacy
4. Informal fallacy

Q.22 The smallest integer greater than 1 which is simultaneously a square and a cube of certain

1. 8
2. 9
3. 36
4. 64

Q.23 Below are given two sets in which set I species the four behaviour modification techniques while set II indicates their exemplification. Match the two sets

Set I	Set II
(Behaviour modification techniques)	(Example)
a) Positive reinforcement	i. Withdrawal of a pleasant stimulus or application of an aversive stimulus to stop the behaviour
b) Negative reinforcement	ii. Painful or aversive stimulus is presented to stop the occurrence of behaviour
c) Punishment	iii. The behaviour increases in frequency after the removal of the stimulus
d) Extinction	iv. The behaviour increases in frequency after the presentation of a stimulus



Choose your answer from the following options:

1. (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
2. (a)-(ii), (b)-(i), (c)-(iii), (d)-(iv)
3. (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)
4. (a)-(iii), (b)-(i), (c)-(ii), (d)-(iv)

Q.24 Swapping of encoder - decoder roles in communication happens due to

1. Cognitive disruptions'
2. Semantic noise
3. Feedback analysis
4. Weak channelization

Q.25 A research scholar while nally 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

1. Sheer formality
2. Needed formality
3. Superfluous act
4. Part of ethically

Consider of the following table that shows the amount of exports (in crore) from three different companies A, B, and C over these years 2012-2018. Based on the date in the table.

Questions 26-30

Year-wise amount of Exports from companies



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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

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Q.26 In how many of the given years, were the exports from company A more than its average annual exports over the given years?

1. 2
2. 3
3. 4
4. 5

Q.27 In which year, the absolute difference between the exports from companies A and B was the minimum?

1. 2013
2. 2014
3. 2015
4. 2016

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

1. 15.33 crores
2. 18.67 crores
3. 25 crores
4. 20 crores

Q.29 For which of the following pairs of years, the total exports from the three companies put together are equal?

1. 2014 and 2017
2. 2015 and 2017
3. 2016 and 2017
4. 2014 and 2015

Q.30 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?

1. 64%
2. 21%
3. 03%
4. 33%

Q.31 which among the following is the flagship scheme of the Ministry of Skill Development and Entrepreneurship implemented by National Skills Development Corporation?

1. Robotic India
2. Artificial Intelligence @ schools
3. Make in India
4. Pradhan Mantri Kaushal Vikas Yojna

Q.32 which one of the following represents the correct order of sequence for reading skills in the context of research?

1. Read, question, recall, review, survey
2. Questions, survey, read, recall, review
3. Recall, review, survey, question, read



- Survey, question, read, recall, review

Q.33 Match the following study skills with their effective learning techniques:

Study Skills	Learning Techniques
a) Elaborative interrogation	i. Mixing different kinds of problems together when studying
b) Practice Testing	ii. Explaining what a section of text or an example problem means to you
c) Self-Explanation	iii. Testing yourself on the material you are trying to learn
d) Interleaved practice	iv. Answering why a fact is true

Choose the correct option:

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

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Q.34 Which among the following natural hazards has relatively slow onset?

- Volcanic eruptions
- Droughts
- Wild fire
- Land and slides

Q.35 Under Kyoto protocol, the parties, in the second commitment period, have to reduce their greenhouse gas emissions with reference to 1990 levels by atleast

- 10%
- 12%
- 15%
- 18%



Q.36 Match List-I with List-II in the context of computer networking:

List-I	List-II
a) VOIP	i. Makes use of light pulses to transmit data
b) Fibre-optic cable	ii. Use of internet to make phone calls
c) URL	iii. Most appropriate to connect computers in a small building
d) UTP cable	iv. Text used by web browsers to locate a web address on the Internet.

Choose the correct option:

1. (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
2. (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)
3. (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)
4. (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

Q.37 Major Sources of oxygen demanding waste in fresh water systems are

1. Agricultural run-off
2. Food Processing
3. Ore Mining
4. Sewage effluent
5. Landfill sites

Choose the correct options from these given below:

1. (a), (d) and (e)
2. (b), (d) and (e)
3. (a), (b) and (d)
4. (a), (b), (c) and (d)

Q.38 which of the following is renewable natural resources?

1. Biological University
2. Tin
3. Natural Gas



4. Salt

Q.39 Select the option that includes the formats suitable for distributing sound files across the internet.

1. wmv, mp4, wma, mp3
2. avi, midi, wav, mp3
3. avi, mov, wmv, mp3
4. midi, wav, wma, mp3

Q.40 Biomass fuels have the potential to form a sustainable carbon neutral energy source because they

1. Produce carbon dioxide in combustion as much as they consume when they grow
2. Produce less amount of carbon dioxide on combustion compared to the amount they use during their growth
3. Have carbon dioxide content same as fossil fuels
4. Do not produce hazardous emissions on combustion

Q.41 Which of the following is/are major issues arising out of the growing reliance on information technology?

1. Profitability
2. Security threats
3. Privacy concerns

Choose the correct option:

1. (a) and (b) only
2. (a) and (c) only
3. (b) and (c) only
4. (a), (b) and (c)

Q.42 In the age of four Vedas, students were admitted to the Vedic schools after performance of which ceremony, among the following:

1. Upanayana ceremony
2. Utsarjana ceremony
3. Satapatha ceremony
4. Dhanurvedya ceremony

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Q.43 which of the following statements is/are correct?

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

Choose the correct option:

1. (a) only
2. (b) only
3. Both (a) and (b)
4. Neither (a) and (b)

Q.44 which of the following communication technologies employ only asynchronous communication?

1. Video conferencing
2. Email
3. Forums
4. Instant messaging

Choose the correct option:

1. (a) and (c) only
2. (b) and (d) only
3. (b) and (c) only
4. (a) and (d) only

Q.45 In order to meet the new 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:

1. Admission process
2. Curriculum
3. Educational technology
4. Appointment of teachers

Read the passage and answer questions from 46 to 50.

Anyone who has ever been in a classroom where the teacher's presentation was lifeless, static and without vocal variety ran appreciate the commonsense 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 focused 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.

Q.46 The affective nature of teaching is reflected in

1. Deeper understanding of the classroom environment
2. Other behaviours of the teacher
3. The recording of classroom interaction
4. The limited reliance on research instruments

Q.47 The affective signs will provide students

1. The basis for understanding contents
2. Exhibitional behaviours
3. Cues to hold attention
4. A basis which triggers further enthusiasm

Q.48 The passage focuses attention on

1. Lifeless classroom presentation
2. Affective factors of teaching
3. Students as emotional learners
4. Measuring teacher's affective nature

Q.49 When does one feel the need for the value of affective aspects of teaching?

1. When a teacher has a vocal variety
2. When a teacher makes a dynamic presentation

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3. When a teacher's presentation is monotonous
4. When a teacher's lecture is beyond expectation

Q.50 Students respect a teacher who

1. Is emotional
2. Displays concern for students
3. Has a powerful voice
4. Has narcissistic attitude

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