

Q. 1 For organizing an effective teaching-learning system which of the following combinations of statements would reflect the most appropriate concern? Select from the code to indicate your answer.

Code:

- (a) Determining what will be the intended learning outcome.
- (b) Deciding as to what strategy and tactics will be used.
- (c) Formally approving the academic qualifications of teachers.
- (d) Determining the evaluation tool to be used.
- (e) Deciding the size of the classroom.
- (f) Assessing the prior academic experience of the learner.

Options:

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

Q. 2 The paradigm of research which focuses on the development of professional expertise of the researcher-practitioner is called:

Options:

- (A) Action research
- (B) Pure research
- (C) Qualitative research

(D) Applied research

Q. 3 Identify those stages/steps of research in which ethical considerations become relevant. Choose from the code to give your answer.

Code:

- (a) Identifying and defining research question.
- (b) Postulating relationships among variables to advance a solution.
- (c) Collecting data through use of research tools.
- (d) Defining the population and sampling procedure.
- (e) Data analysis and procedure employed.
- (f) Reporting procedure of findings/ results.

Options:

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

Q. 4 In the two sets given below, **Set - I** provides the format of presentation and **Set - II** gives the distinct features to go with them. Match the two sets and select from the code to indicate your answer.

**Set -I**

**(Format of presentation)**

- a) Thesis/ dissertation
- b) Research paper
- c) Workshop
- d) Seminar

**Set – II**

**(Distinctive features)**

- (i) Based on free-wheeling of ideas
- (ii) Target oriented group-based reflection
- (iii) Reflective deliberations based on specific themes

(iv) Presentation on a summary of research done

(v) Systematic prescribed format

Options:

a) b) c) d)

(A) ii) iii) iv) v)

(B) i) ii) iii) v)

(C) iii) i) ii) v)

(D) v) iv) ii) iii)

Q. 5 Which of the following statements best reflect the meaning and characteristics of research? Select from the code to give your answer.

Code:

(a) Research means challenging the status quo.

(b) Research is an endeavour to collect facts and information.

(c) Research is a synthesis of deductive and inductive processes.

(d) Research means proving one's assertions and beliefs.

(e) Research is a careful review of reported studies.

(f) Research is a critical and passionate search for knowledge.

Options:

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

B. (b), (d) and (e)

C. (a), (e) and (f)

D. (a), (c) and (f)

Q. 6 In the two sets given below, **Set - I** specifies the methods of research while **Set - II** describes the critical feature associated with a method of research. Match the two and select from the code to indicate your answer.

**Set -I**

(Research methods)

(a) Experimental method

(b) Ex post facto method

(c) Historical method

(d) Ethnographic method

### Set - II

(Critical features associated)

(i) Generalizing to the population from a large sample

(ii) Establishing the patterns of events which have happened, through primary and secondary sources

(iii) Studying shared behaviour patterns

(iv) Establishing cause and effect through control

(v) Probing into the causal factors from the observed effects

Options:

(a) (b) (c) (d)

(A) (iv) (v) (ii) (iii)

(B) (i) (ii) (iii) (iv)

(C) (ii) (iii) (iv) (v)

(D) (ii) (i) (iv) (iii)

Q. 7 Which devices from the list given below will form part of formative evaluation? Give your answer by selecting from the code.

Code:

1. Conducting a quiz session
2. Giving multiple – choice type question in post – instructional sessions
3. Giving a mastery test
4. Providing corrective feedback during discussions
5. Encouraging opportunity for metacognitive thinking
6. Grading students performance on a five – point scale

Options:

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

3. (d), (e) and (f)

4. (b), (c) and (d)

Q. 8 In order to promote direct learning which of the following methods would be best suited?

Options:

1. Project method
2. Team teaching method
3. Lecture with examples
4. Discussion session

Q. 9 From the following list of learner characteristics identify those, which will be helpful in ensuring effectiveness of teaching. Select your answer from the code.

Code

1. Extent to which learner obeys the school system
2. Learner's level of motivation
3. Feelings of learners towards the social system
4. Learner's interest in sports and games
5. Prior experience of the learner
6. Interpersonal relations of learners

Options:

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

Q. 10 Below are given a number of key behaviours as well as helpful behaviours of effectiveness of teaching based on research evidence. Identify those, which are key behaviours and indicate your answer by selecting from the code.

(a) Structuring through comments by the teacher in respect of what is to come.

(b) Questioning through content and process level questions.

(c) Lesson clarity implying the extent to which presentations are not involved.

(d) Probing which implies statements to encourage students to elaborate.

(e) Engagement rate devolved to learning when students are actually on task.

(f) Rate at which students understand and correctly comprehend assignments and exercises.

Options:

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

### **Start Passage.**

Read the following passage carefully and answer given below the questions:

One of the findings of the research into successful leadership is the fact that respect is always a two – way street. No matter how powerful you are, no matter what your experience, skills, and accomplishments, you will not be respected by others if you consistently treat them, disrespectfully. Friendliness that is, treating others politely and showing respect in them – is a way of showing your respect for other people, and in return, they respect you. If as a manager you are respected, your preventive maintenance strategy will be accepted as a sincere attempt to resolve problems rather than a mean – spirited attempt to cause problems.

As important as friendliness is, I want to make sure you are not misled into believing that friendliness will replace or correct poor management. I have seen effective managers who didn't use this friendliness element but could have been more effective if they did use it. I have seen very friendly managers who were ineffective because they were not doing effective management things. In other words, managers who intervene effectively in a friendly way are always more effective than managers who intervene effectively in a non – friendly way. Maintaining a friendly relationship is another part of maintaining work performance. It also helps you avoid having people try to hurt you because they don't like you. It might save your life.

Q. 11 The central idea of the passage is:

Options:

1. Friendliness is necessary for management.
2. Friendliness avoids chances of feeling hurt.
3. Friendliness improves work – ethos.
4. Friendliness is a negative factor for management.

Q. 12 The preventive maintenance strategy used by a respected manager will mean to the subordinates:

Options:

1. An attempt to become sincere
2. An attempt to resolve problems
3. An attempt to become mean – spirited
4. An attempt to cause problems

Q. 13 The passage highlights which of the following feature of a successful leadership?

Options:

1. Reciprocity of the leader
2. Dependence of the leader
3. Least concern for relationship by the leader
4. Independence of the leader

Q. 14 What is reported in respect of successful leadership?

Options:

1. Respect depends on experience of the leadership.
2. Respect depends on the skills of the leadership.
3. Respect depends on the accomplishments of the leader.
4. Respect comes out of respect.

Q. 15 According to the passage friendliness in management terms implies:

Options:

1. Making management effective
2. Making management ineffective
3. Replacing poor management
4. Correcting ineffective management

**End Passage.**

Q. 16 Rs. 9000 were divided among a certain number of persons. Had there been 20 more persons, each would have got Rs. 160 less. The original number of persons was:

Options:

1. 55
2. 25
3. 30
4. 45

Q. 17 In a certain code, LIFE is written as KMHJEGDF. How is WORD written in that code?

Options:

1. XVPNSQEC
2. XVPNSQCE
3. VXNPQSEC
4. VXNPQSCE

Q. 18 In communicating in a classroom situation which one of the following approaches will be considered most appropriate?

Options:

1. Empathetic and pragmatic
2. Assertive and conformist
3. Personal and emulative
4. Technical and domineering

Q. 19 The number of marble slabs of size 20 cm × 30 cm required to pave the floor of a square room of side 3 meters is:

Options:

1. 225
2. 100
3. 25
4. 150



Q. 20 Given below are two premises with four conclusions drawn from them (taken singly or together). Which conclusions are validly drawn? Select the correct answer from the code given below.

Premises: (i) All politicians are honest persons.

(ii) All honest persons are fair.

Conclusions: (a) Some honest persons are politicians.

(b) No honest person is politician.

(c) Some fair persons are politicians.

(d) All fair persons are politicians.

Options:

1. (a) and (c) only

2. (a), (b) and (d) only

3. (b) and (c) only

4. (b) and (d) only

Q. 21 A teacher decides to form six groups of students and assigns a sub – theme to each group for discussion and reporting. Which kind of communication model will best describe his/her strategy in this regard?

Options:

1. Transactional model

2. Interactional model

3. Horizontal model

4. Linear model

Q. 22 In the sequence of number 2, 8, 26, 62, 122, 212, X, ... . . . . , the term x is:

Options:

1. 248

2. 302

3. 338

4. 332

Q. 23 Which of the following is a powerful determinant for effective assertive communication whether written or spoken?

Options:

1. 'They' messages
2. 'We' messages
3. 'You' messages
4. 'I' messages

Q. 24 In terms of the relationship indicated below, which word will correctly pair to replace the question mark (?)

: Play::?

Sing: Song

Options:

- (A) Act
- (B) Field
- (C) Scene
- (D) Theatre

Q. 25 Five Persons Amit, Anil, Ajay, Atul and Anand live in a five storey building on different floors, Amit lives above Ajay but below Anand. Atul lives above Ajay but below Amit. Anil lives below Anand but above Atul. In which floor does Anil live?

Options:

1. Third floor
2. Fourth floor
3. Either third floor or fourth floor
4. Second floor

Q-26 Fleeting changes that occur in facial expressions of teachers in a classroom are described as:

Options:-

1. Informational-momentary movements
2. Macro-momentary movements
3. Micro-momentary movements
4. Significant-momentary movements

Q-27 You have recently joined a new office. Walking at 5 km/hour, you reach the office from your house 15 minutes early and walking at 3 km/hour, you are late by 9 minutes. The distance between your house and office is :

Options:-

1. 5 km
2. 3 km
3. 2 km
4. 8 km

Q-28 Choose the correct alternative to replace the question mark (?).

$$42 \rightarrow 26$$

$$71 \rightarrow 78$$

$$33 \rightarrow 16$$

$$62 \rightarrow ?$$

Options:-

1. 54
2. 68
3. 38
4. 39

Q-29 A's mother is sister of B and daughter of C. D is daughter of B and sister of E. How is C related to E?

Options:-

1. Aunt
2. Grandmother
3. Sister-in-law
4. Mother

Q-30 A deductive argument is invalid if:

Options:-

1. Its premises and conclusions are all false.
2. Its premises are all true but its conclusion is false.
3. Its premises are all false but its conclusion is true.
4. Its premises and conclusions are all true.

Comprehension:

The following table shows the percentage of marks (%) obtained by five students A-E in six subjects S1-S6. Maximum marks in all the six subjects S1-S6 are 80, 75, 10, 120, 125 and 150 respectively. In accordance with the table given below, answer the questions that follow (Questions 31-35):

Percentage of marks (%) obtained by five students in six subjects

	Subject S1	S2	S3	S4	S5	S6
Students	(Out of 80 marks)	(Out of 75 marks)	(out of 100 marks)	(Out of 120 marks)	(Out of 125 marks)	(Out of 150 marks)
A	80	72	76	80	50	65

B	60	70	88	90	56	72
C	45	65	44	72	72	82
D	50	75	72	84	64	70
E	65	45	68	60	80	66

*PERCENTAGE OF MARKS (%) OBTAINED BY FIVE STUDENTS IN SIX SUBJECTS*

Q-31 The average of marks obtained by all the five students together in subject S<sub>1</sub>, is:

Options:-

1. 48
2. 49
3. 51
4. 50

Q-32 The difference in the marks obtained by all the five students together in the subjects S<sub>3</sub> and S<sub>1</sub>, is:

Options:-

1. 108
2. 98
3. 110
4. 48

Q-33 The difference in the total marks obtained by student A in the Subjects S<sub>3</sub> and S<sub>4</sub> taken together and student E in the subjects S<sub>3</sub> and S<sub>4</sub> taken together, is:

Options:-

1. 36
2. 32
3. 30
4. 28

Q-34 The approximate average percentage of marks obtained by student A comes out to be:

Options:-

1. 70%
2. 74%
3. 65%
4. 75%

Q-35 The average percentage of marks obtained by all the five students together in subject S6, is:

Options:-

1. 69%
2. 75%
3. 64%
4. 71%

Q-36 Which of the following gases initiates a chain reaction that breaks-down ozone in the upper atmosphere?

Options:-

1. Carbon dioxide
2. Nitrogen Dioxide
3. Hydrogen sulphide
4. Chlorine

Q-37 Assertion (A) :The ecosystem surrounding a river gets damaged due to construction of a dam.

Reason (R) : The area gets inundated with large volume of water.

Choose the correct code:

Options:-

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

Q-38 Which of the following body is empowered with the role of appointment and approval of teaches in a University System in India?

Options:-

1. University Court/Senate
2. Board of Studies
3. Board of Management/ Executive Council/ Syndicate
4. Academic Council

Q-39 High level lead (Pb) exposures in humans through inhalations or food consumption may cause:

1. Mental retardation
2. High blood pressure
3. Disorder of central nervous system

Select the correct answer from the code given below:

Options:-

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

Q-40 Which one of the following pairs least matches in respect of computers?

Options:-

1. USB : Universal Serial Bus
2. LCD : Light Crystal Display
3. GUI : Graphical User Interface
4. 1 Gigabyte :  $(1024) \times (1024) \times (1024)$ Bytes

Q-41 Amit has decided to use either a DVD-RW or DVD-R. Select statements that are TRUE for these storage devices.

P: Both DVD-R and DVD-RW are read only.

Q: DVD-R can be written to only once.

R: DVD-RW can be written to many times.

S: Both DVD-R and DVD-RW can be written to only once.

Options:-

1. Q and R only
2. P and R only
3. P only
4. S only

Q-42 Which one of the following has larger scope for the possibility of hands on experience?

Options:-

1. Workshop
2. Seminar
3. Conference
4. Symposium

Q-43 Read the following spreadsheet (MS-EXCEL):

### Excel Spreadsheet

	A	B	C
1	10	16	
2	20		
3	8		
4	12		
5	0		

*EXCEL SPREADSHEET THE EQUATION IN CELL*

The equation in cell B2 is = A2+B1.

This equation is then copied and pasted to cell B3, B4 and B5. What should be the value in B5?



Options:-

1. 56
2. 44
3. 24
4. 36

Q-44 The tsunami that occurred in south and south-east Asia in December, 2004 was caused due to:

Options:-

1. A hurricane
2. An earthquake
3. A volcanic eruption
4. A tropical cyclone

Q-45 In a human population, which is undergoing the demographic transition, which of the following generally decreases first?

Options:-

1. Life expectancy
2. Death rate
3. Level of education
4. Birth rate

Q-46 The following list indicates different types of computer networks. Arrange them in an ascending order on the basis of geographical space implied.

Options:-

1. WAN, LAN, MAN
2. LAN, MAN, WAN
3. MAN, LAN, WAN
4. LAN, WAN, MAN

Q-47 Which of the following is entrusted with the responsibility for coordination and quality of higher education in India?

Options:-

1. NITI Ayog
2. Bar Council of India
3. University Grants Commission
4. Association of Indian Universities

Q-48 Who is the administrative and academic head of Indian University System?

Options:-

1. Dean of Studies in a University
2. Vice-chancellor of a University
3. Chancellor of a University
4. Registrar of a University

Q-49 Which one of the following is less oriented towards knowledge dissemination?

Options:-

1. Classroom
2. Field work
3. Journal
4. Seminar

Q-50 Computer peripherals are external devices connected to a computer. Which list contains input peripheral devices ONLY?

Options:-

1. Keyboard, Projector, Mouse, Flash drive
2. Laser printer, Graphic tablet, Barcode reader, Hard disk
3. Microphones, Track-ball mouse, Scanner, touch screen
4. Speakers, Scanners, Mouse, Modem