

Code

A

Total Printed Pages : 21

SKILL ASSISTANT PROFESSOR ELECTRICAL ENGG.

100061

OMR Sr. No. _____

Booklet Sr. No. _____

Time : 90 Minutes

Total Questions : 100

Max. Marks : 100

Roll No. (in Figure) _____ (in Words) _____

(Signature of the Candidate)

(Signature of the Invigilator)

IMPORTANT

DO NOT OPEN THE BOOKLET UNLESS YOU ARE ASKED TO DO SO**FIRST READ FOLLOWING INSTRUCTIONS CAREFULLY.**

1. The candidate will fill up required particulars including his/her roll no. and signature on the OMR sheet with ball point pen (Black/Blue) in the appropriate boxes.
2. Ten minutes before the commencement of the test, question booklet and OMR sheet will be distributed to the candidates.
3. Immediately on opening the question-booklet, the candidate should check the booklet & OMR sheet and ensure himself/herself that it contains 100 multiple choice questions (Sr. No. 1 to 100). Discrepancy, if any, should be reported by the candidate to the invigilator within 5 (five) minutes of the opening of the question booklet and should ask the invigilator for replacement.
4. **For each question, four suggested answers A, B, C, D are given. The candidate is to choose only one answer which he/she considers the correct or the best one. If candidate darkens more than one circle or cutting/overwriting/erasing (by eraser, white fluid or any other chemicals) then such answer(s) shall not be evaluated.**
5. The answers should be marked by darkening appropriate circle provided in front of the concerned serial number on the OMR Sheet only with **black/blue pen. Use of pencil is not allowed.** For instance, while answering the Question No.26 of the question booklet, the correct answer A or B or C or D at serial No. 26 of OMR sheet should only be darkened.
6. The candidate should be careful in handling the question-paper and in darkening the answers on the OMR Sheet. **The second question booklet/OMR sheet will not be supplied in case there is no discrepancy in the booklet/OMR sheet already supplied.**
7. Bringing of incriminating materials/electronic gadgets/devices including cell phone in the premises of the examination centre is strictly prohibited. Possessing of incriminating materials electronic gadgets/devices and any other aiding material in the examination room will be a serious offence and it will attract the cancellation of the candidature.
8. The candidate will not be permitted to leave the examination hall before the conclusion of the test. The candidate should make sure that question-booklet including OMR sheet is handed over to the invigilator before leaving the examination hall at the end of the test, failing which, a case of use of unfair-means/misbehavior will be registered against him/her, in addition to lodging of an FIR with the police. Further, OMR sheet of such a candidate will not be evaluated.
9. The candidate can do rough-work on the back of the title cover of question booklet. Rough-work on OMR sheet is prohibited.
10. ***Mobile Phones are not at all allowed inside the Examination Hall.***
11. It is for the information that entire examination shall be recorded by video camera and impersonation shall lead to disqualification and registration of Police Case.
12. Programmable Calculator is not allowed.

SEAL

1. Which of the following properties does *not* hold for matrix multiplication?
- (A) Associative (B) Distributive
(C) Commutative (D) None of these
2. Linear second order ordinary differential equation is non-homogeneous if :
- (A) there is no constant in equation
(B) solution is zero
(C) solution has some value
(D) independent variable is present
3. If u and v are harmonic functions, then $f(z) = u + iv$ is :
- (A) Analytic function
(B) Need not be analytic function
(C) Analytic function only at $z = 0$
(D) None of the above
4. Which of the following of a random variable is a measure of spread ?
- (A) Variance (B) Standard deviation
(C) Empirical mean (D) All of these
5. Jacobi's method is also known as :
- (A) Displacement method
(B) Simultaneous displacement method
(C) Simultaneous method
(D) Diagonal method

6. A cloud is at a potential of 10^6 V relative to the ground. A charge of 6 coulombs is transferred in a lightning stroke between the cloud and the earth. The energy dissipated is :
- (A) 10^6 J (B) 3×10^6 J
(C) 6×10^6 J (D) 12×10^6 J
7. Two coils have inductances of 4 mH and 9 mH and coefficient of coupling of 0.5. If the two coils are connected in series aiding, the total inductance will be :
- (A) 19 mH (B) 16 mH
(C) 7 mH (D) 26 mH
8. An R-L circuit is fed by a voltage $E_m \sin(\omega t + \theta)$. The transient component of the current, when the circuit is switched on, will be zero if :
- (A) $\theta = 0$ (B) $\theta = 90^\circ$
(C) $\theta = \tan^{-1}(\omega L/R)$ (D) $\theta = 180^\circ$
9. A condenser is connected across 200 V supply for 0.5 second, the current is kept steady at 0.2 amp., the charge on condenser will be :
- (A) 0.01 coulomb (B) 0.001 coulomb
(C) 0.1 coulomb (D) 1 coulomb
10. A system which is linear is said to obey the rules of :
- (A) scaling (B) additivity
(C) both scaling and additivity (D) homogeneity
11. Which kind of frequency spectrum/spectra is/are obtained from the line spectrum of a continuous signal on the basis of Polar Fourier Series Method ?
- (A) Continuous in nature (B) Discrete in nature
(C) Sampled in nature (D) All of these

12. What about the stability of system in :

$$H(z) = \frac{z(3z-4)}{(z-0.4)(z-2)}$$

- (A) system is stable (B) unstable
(C) stable at 0.4 (D) None of these

13. A 200 W and 100 W bulb both meant for operation at 220 V are connected in series. When connected to a 220 V supply, the power consumed by them is :

- (A) 66 W (B) 33 W
(C) 100 W (D) 300 W

14. What percentage of the maximum power is delivered to a load if load resistance is 10 times greater than the Thevenin resistance of the source to which it is connected ?

- (A) 25% (B) 40%
(C) 35% (D) 33.06%

15. An alternating current is given by $i = I_m \sin \theta$. The average value of squared wave of this current over a complete cycle is :

- (A) $I_m^2/2$ (B) I_m/π
(C) $2I_m/\pi$ (D) $2I_m$

16. The bandwidth of a series resonant circuit in which the half power point occur at 150 kHz and 180 kHz is :

- (A) 30 kHz (B) 115 kHz
(C) 330 kHz (D) 15 kHz

17. While measuring power in a 3-phase load by two-wattmeter method, the readings of two wattmeters will be equal and opposite when :
- (A) power factor is unity
 - (B) load is balanced
 - (C) phase angle is between 60° and 90°
 - (D) load is purely inductive
18. Three delta-connected resistors absorb 60 kW when connected to a 3-phase line. If the resistors are connected in star, the power absorbed is :
- (A) 60 kW
 - (B) 20 kW
 - (C) 40 kW
 - (D) 180 kW
19. In a lap winding, the number of the brushes required is equal to :
- (A) number of poles
 - (B) number of pair of poles
 - (C) commutator pitch
 - (D) none of these
20. A 30 kW, 300 V, DC shunt generator has armature and field resistances of 0.05Ω and 100Ω respectively. What is generated e.m.f. ?
- (A) 295.25 V
 - (B) 311.25 V
 - (C) 305.15 V
 - (D) none of these
21. In a DC series motor, if armature current is reduced to 70% of its original value, the torque of the motor will be reduced by :
- (A) 51%
 - (B) 49%
 - (C) 50%
 - (D) 70%
22. A transformer has full-load copper loss of 400 W. The copper loss at half load will be :
- (A) 100 W
 - (B) 200 W
 - (C) 300 W
 - (D) 400 W

23. A single-phase 50 Hz transformer has a full-load secondary current of 500 A; the primary current being one-fifth of this value. Transformer has the following parameters :

$$R_1 = 0.6 \, \Omega; \quad X_1 = 2 \, \Omega; \quad R_2 = 0.03 \, \Omega; \quad X_2 = 0.06 \, \Omega$$

If the secondary is short-circuited, find the primary voltage required to circulate full-load current. Neglect no-load current.

- (A) 150 V (B) 375 V
(C) 225 V (D) 192 V

24. A 3-phase transformer has its primary connected in delta and secondary in star. Secondary to primary turn ratio per phase is 5. For a primary phase voltage of 400 V, the secondary line voltage would be :

- (A) 2000 V (B) 80 V
(C) $80\sqrt{3}$ V (D) 3464 V

25. The direction of rotation of field in a 3-phase induction motor depends upon :

- (A) number of poles
(B) magnitude of supply voltage
(C) supply frequency
(D) phase sequence of supply voltage

26. A four pole, 50 Hz induction motor operates at 5% slip. The frequency of e.m.f. induced in the rotor will be :

- (A) 25 Hz (B) 50 Hz
(C) 2.5 Hz (D) 250 Hz

27. The frequency of e.m.f. generated in an 8-pole alternator running at 900 r.p.m. is :

- (A) 50 Hz (B) 60 Hz
(C) 120 Hz (D) None of these

28. A Y-connected 3-phase alternator is adjusted to its rated line-to-line voltage of 230 V while under its rated load and at 80% lagging power factor. The same field excitation current results in a no-load line-to-line voltage of 328.6 V. The voltage regulation is :
- (A) 32.7% (B) 21.4%
(C) 13.9% (D) 42.8%
29. The diversity factor is always :
- (A) equal to 1 (B) less than 1
(C) greater than 1 (D) none of these
30. A single-phase AC system supplies a certain power and this system is converted to 3-phase AC system by running a third similar conductor. The percentage additional load that can be supplied for same voltage between conductors and the same percentage loss is :
- (A) 50% (B) 75%
(C) 100% (D) 125%
31. In a string of suspension insulators, the shunt capacitance grading, the maximum capacitance can be decreased by using :
- (A) longer cross-arms (B) shorter cross-arms
(C) longer spans (D) None of these
32. The current in the radial distributor will be maximum at the :
- (A) source end of the distributor (B) mid-point of the distributor
(C) end point of the distributor (D) None of these
33. For the given base voltage and base volt-amperes, the per unit impedance value of an element is x . What will be the per unit impedance value of this element when the voltage and volt-amperes bases are both doubled ?
- (A) $0.5 x$ (B) $2 x$
(C) $4 x$ (D) x

34. A circuit breaker performs the function of :
- (A) detection only
 - (B) circuit interruption only
 - (C) both detection and circuit interruption
 - (D) none of the above
35. Differential relays are used to protect the equipment against :
- (A) overcurrent
 - (B) reverse current
 - (C) internal faults
 - (D) none of these
36. Error constants of system are a measure of :
- (A) steady-state response
 - (B) transient-state response
 - (C) relative stability
 - (D) steady-state as well as transient response
37. For the characteristic equation, $s^2 + 4.8s + 72 = 0$, the damping ratio and natural frequency respectively are :
- (A) 0.212, 8.1 rad/sec.
 - (B) 0.283, 8.48 rad/sec.
 - (C) 0.299, 8.66 rad/sec.
 - (D) 0.247, 8.23 rad/sec.
38. In Routh-Hurwitz criterion, if there are changes of signs in the elements of the first column, then the number of sign changes indicates :
- (A) the number of roots with negative real parts
 - (B) the number of roots with positive real parts
 - (C) the number of pairs of roots of opposite sign
 - (D) the number of pairs of roots of same sign

39. If the system has multiple poles on the $j\omega$ axis, the system is :

- (A) stable
- (B) unstable
- (C) marginally stable
- (D) conditionally stable

40. Creeping is observed in :

- (A) Watt-hour meter
- (B) Power factor meter
- (C) Wattmeter
- (D) Ammeter

41. Which bridge is used to determine frequency ?

- (A) Anderson bridge
- (B) De Sauty's bridge
- (C) Wien bridge
- (D) None of these

42. The ratio error in current transformer is due to :

- (A) power factor of primary
- (B) wattless component of the current in the primary
- (C) exciting current
- (D) leakage flux

43. Pulses from the clock of frequency 100 kHz pass through the counter of digital multimeter during a gate period 5.75 m sec. The number of pulses counted by the counter will be :

- (A) 57.5 pulses
- (B) 575 pulses
- (C) 5750 pulses
- (D) 57500 pulses

44. Which of the following transistor circuits has the lowest voltage gain ?

- (A) Common base
- (B) Common collector
- (C) Common emitter
- (D) None of above

45. The 2's complement of the number 0.0011 is :
 (A) 1.1100 (B) 0.1100
 (C) 1.1101 (D) 0.1101
46. Sixty capsules are to be filled in bottles automatically employing an electronic counter. The number of flip-flop in such counter will be :
 (A) 4 (B) 5
 (C) 6 (D) 7
47. In a thyristor, holding current is :
 (A) more than latching current (B) less than latching current
 (C) equal to latching current (D) None of these
48. The di/dt rating of an SCR is specified for its :
 (A) decaying anode current (B) decaying gate current
 (C) rising gate current (D) rising anode current
49. A single-phase half wave controlled rectifier has $400 \sin 314t$ as the input voltage and R as the load. For a firing angle of 60° for the SCR, the average output voltage is :
 (A) $400/\pi$ (B) $300/\pi$
 (C) $240/\pi$ (D) $200/\pi$
50. In a single-pulse modulation of PWM inverters, the pulse width is 120° . For an input voltage of 220 V DC, the r.m.s value of output voltage is :
 (A) 179.63 V (B) 254.04 V
 (C) 127.02 V (D) 117.02 V

51. When a test actually measures what it purports to measure, this characteristic of test is known as :
- (A) Correlation (B) Validity
(C) Reliability (D) Variance
52. The Programmed learning is *not* used for :
- (A) Teaching (B) Networking
(C) Integrated Learning (D) Evaluating
53. Education Technology has truly paved the way for learner to become :
- (A) Aware, appreciative and equipped
(B) Honest, wise and aware
(C) Effective, honest and wise
(D) Creative, appreciative and wise.
54. In the context of an educational institution, the curriculum document of an educational programme is a significant :
- (A) Input (B) Process
(C) Output (D) Feedback
55. Essential training skills require the skills of (i) design training programme, (ii) design exercises, (iii) conduct training needs analysis, (iv) evaluate the training programme and (v) design worksheets. In order of priority and smooth implementation, what should be work flow ?
- (A) i, ii, iii, iv, v (B) iii, i, ii, v, iv
(C) iii, ii, v, i, iv (D) i, v, ii, iii, iv
56. The core objective of learning education technology is to get :
- (A) Oriented (B) Facilitated
(C) Integrated (D) Evaluated

57. Learning objectives are statements that define the expected goal of a curriculum, course, lesson or activity in terms of demonstrable skills or knowledge that will be acquired by a student as a result of instruction. What is most crucial in writing a learning objective ?
- (A) Performance criterion (B) Action verb
(C) Intent of evaluation (D) Teaching method
58. Measures are arranged in some meaningful manner :
- (A) Discrete data (B) Grouped data
(C) Ungrouped data (D) Variable data
59. In order to implement a skill based curriculum effectively, one of the following component needs to be considered more comprehensively :
- (A) Content outline (B) Methods of implementation
(C) Learning outcomes (D) End term assessment
60. Education technology is integrated in the teaching-learning process by :
- (A) Using variety of teaching methods
(B) Designing new experimentations
(C) Reinforcement of learning
(D) Introducing, reinforcing and extending learning experiences.
61. Cognitive Learning Theory (CLT) implies that the different processes concerning learning can be explained by analyzing the mental processes first. It posits that with effective cognitive processes, learning is easier and new information can be stored in the memory for a long time. To implement CLT effectively one has to consider predominantly :
- (A) Behavioural factors of the learners
(B) Behavioural as well as personal factors of the learners
(C) Behavioural and environmental factors
(D) Behavioural, personal and environmental factors

62. These are first hand experience, which serve as foundation of our learning :
- (A) Direct purposeful experience
 - (B) Direct personal engagement
 - (C) Direct educational engagement
 - (D) Direct educational experience
63. Operant conditioning can be described as a process that attempts to modify behavior through the use of positive and negative reinforcement. Through operant conditioning, an individual makes an association between a particular behavior and a consequence. Which of the following is a non-example of operant conditioning ?
- (A) Parents rewarding the student's excellent grades with some prize.
 - (B) Students copy a diagram drawn on the board.
 - (C) A school teacher awards points to those students who are the calmest and well-behaved.
 - (D) Students help each other to develop a project detail.
64. A research design is :
- (A) A way of conducting research not grounded in theory
 - (B) The choice between using quantitative or qualitative method
 - (C) The style in which you present your research, e.g.- graph
 - (D) A framework for every stage of the collection and analysis of data
65. In an experimental design, the dependent variable is :
- (A) The one that is not manipulated and in which any changes are observed
 - (B) The one that is manipulated in order to observe any effects on the other
 - (C) A measure of the extent to which personal values affect research
 - (D) An ambiguous concept whose meaning depends on how it is defined

66. Involves the collection, organisation and analysis of numerical data :

- (A) Assessment
- (B) Measurement
- (C) Test
- (D) Statistics

67. When planning a lesson, a teacher can best help ensure that instruction will be effective and appropriate for students from a wide range of socio-economic backgrounds by asking himself or herself which of the following questions ?

- (A) Will the lesson include opportunities for interaction among students from different backgrounds ?
- (B) Will students have opportunities to ask questions and seek clarification at various points in the lesson ?
- (C) Will the lesson be structured in a way that allows students to spend time working with self-selected peers to help process new learning ?
- (D) Will the examples used to illustrate and explore lesson content be familiar and relevant to students with varied life experiences ?

68. Industrial training can be effectively assessed by :

- (A) Rating scale
- (B) Observation sheet
- (C) Check list
- (D) Performance diary

69. Studies in cybernetics provide a means for examining the design and function of any system, including social systems such as business management, training and organizational learning, including for the purpose of making them more efficient and effective. One of the following is not an example of cybernetics :

- (A) Game Theory
- (B) Systems Theory
- (C) Trance Theory
- (D) Perceptual Control Theory

70. A teacher regularly gives students brief quizzes of three to five questions covering material taught in the current or preceding lesson. Which of the following is likely to be the primary benefit of this practice ?

- (A) helping improve instruction through ongoing feedback on teaching effectiveness
- (B) minimizing the amount of re-teaching required for students to master curricular content
- (C) ensuring that the teacher has adequate performance data to assign students a fair grade for the class
- (D) enhancing students' engagement in the learning process and recognition of key learning goals

71. Consider the deviation each score is away from the mean of the distribution :

- (A) Standard deviation
- (B) Mean deviation
- (C) Median deviation
- (D) Maximum deviation

72. Prof. Ramesh and Prof. Suresh collected data on the same set of students using the same test and find their data is almost exactly the same. This indicates test has :

- (A) Test-retest reliability
- (B) Inter-rater reliability
- (C) Alternate forms reliability
- (D) Split half-reliability

73. A Vocational Institute teacher has been planning to have the students in a class carry out individual research projects in social setting in which each student would investigate and report on a self-selected topic. The teacher decides instead to have the students conduct and report on their research in groups. The group approach is likely to be particularly effective for the students because it :
- (A) increases the students' overall learning efficiency and sense of contribution during the project.
 - (B) enables students who usually achieve at varied levels to perform at a level similar to that of high-achieving peers in the class.
 - (C) uses the students' interest in social interactions to enhance motivation and increase engagement in the learning process.
 - (D) prompts the students to use a greater variety of methods and approaches to pursue broader, more complex research topics.
74. While analysing the attitudinal performance of the learner you find that the learner has adapted values and has become more organised, can compare and contrast values and choices, begin to order and prioritise values and choose to commit to certain behaviour. In the taxonomy of affective domain, at what level you will place him ?
- (A) Receiving
 - (B) Responding
 - (C) Valuing
 - (D) Organising
75. Teachers of science, entrepreneurship, and humanities are planning an integrated unit on the Industrial Revolution. This instructional approach can be expected to enhance student learning primarily by :
- (A) facilitating students' accelerated achievement of content standards in multiple subject areas.
 - (B) presenting students with tasks that are responsive to their individual learning preferences.
 - (C) promoting students' ability to apply a wide range of academic problem-solving strategies.
 - (D) connecting ideas for students in ways that make content more authentic and meaningful.

76. Outcomes attained after gaining skills and knowledge of a course is termed as :
- (A) Course Outcomes
 - (B) Programme Outcomes
 - (C) Session Outcomes
 - (D) Programme Specific Outcomes
77. Constructivist learning environments require students to utilize their prior knowledge and experiences to formulate new, related, and/or adaptive concepts in learning. Under this framework the role of the teacher becomes that of a facilitator, providing guidance so that learners can construct their own knowledge. To construct an effective learning environment, you will :
- (A) write the objectives explicitly
 - (B) develop structured learning exercises
 - (C) design evaluation exercises
 - (D) draw the content outline explicitly
78. It is scientific and organised teaching-learning process and or a product :
- (A) Instructional Technology
 - (B) Educational Technology
 - (C) Educational Media
 - (D) Audio, Video & Media Technology
79. The standard error is a statistical measure of :
- (A) The normal distribution of scores around the sample mean
 - (B) The extent to which a sample mean is likely to differ from the population mean
 - (C) The clustering of scores at each end of a survey scale
 - (D) The degree to which a sample has been accurately stratified
80. A self-instructional strategy promotes :
- (A) Group dynamics
 - (B) Focussed group learning
 - (C) Learning to learn attitude
 - (D) Problem solving attitude

81. One of the following is the best example of a teacher applying a constructivist approach to student learning :

- (A) A math teacher has students use hands-on materials and real-world problems to acquire new concepts and practice skills.
- (B) A language arts teacher provides students with a concrete reward each time they turn in a written assignment that is free of errors.
- (C) A social studies teacher uses visual aids and a logical progression of ideas when presenting lectures about new or unfamiliar topics.
- (D) A science teacher models the correct procedures for performing complex experiments before having students perform the experiments.

82. Trait of characteristic that can assume more than one value :

- (A) Discrete data
- (B) Unground data
- (C) Population
- (D) Variable data

83. Mr. X learnt car driving from a reputed training school and got a certificate of perfect driver in 15 days of learning and examination. Mr. X is able to drive his car very confidently on highways and empty roads but he has little hesitation in driving on busy streets. On the taxonomy of psychomotor domain, at what level his driving skills can be safely placed ?

- (A) Imitation
- (B) Precision
- (C) Naturalisation
- (D) Manipulation

84. How will you apply principle of distributed practise while training students to develop specific set of motor skills ?

- (A) Providing them frequent short periods of intense practise.
- (B) Giving them mass practise assignments.
- (C) Developing ability to perform one motor skill effectively independent of their ability to perform over other motor skills.
- (D) Motivating the students to learn independently and confidently.

85. Process of measuring, evaluating, identifying and prescribing using result to identify performance and problems, and then prescribing a solution :
- (A) Assessment
 - (B) Evaluation
 - (C) Test
 - (D) Measurement
86. Motor learning is a change, resulting from practice. It often involves improving the accuracy of movements both simple and complex as one's environment changes. Motor learning is a relatively permanent skill as the capability to respond appropriately is acquired and retained. The stages of motor learning necessarily involve :
- (A) Cognitive phase, Motor phase and Affective phase
 - (B) Cognitive phase, Associative phase and Autonomous phase
 - (C) Motor phase, Associative phase and Affective phase
 - (D) Cognitive phase, Associative phase and Affective phase
87. Direct Instructional Model gives priority to :
- (A) Critical Thinking
 - (B) Global Learning
 - (C) Analytical Thinking
 - (D) Mastery Learning
88. Domains of performance are essential to be recognised to identify adequate knowledge, skills and attitude to be developed among students. These knowledge, skills and attitudes are integrated in the curriculum document systematically. How the domains of performance can be assessed ?
- (A) Identification of learning elements
 - (B) Conducting job analysis survey
 - (C) Identification of performance indicators
 - (D) Conducting performance need survey

89. A well-made outcome based curriculum document essentially comprises of :
- (A) Syllabus, content and study references
 - (B) Content outline, instructional methods and experimentations
 - (C) Instructional strategies, learning experiences and performance assessment
 - (D) Content outline, instructional strategies and study references.
90. Learning is meaningful if it is organized in such a way as to emphasize and call for understanding, insight, initiative, and cooperation. When the learner is capable of gaining insight or understanding into the learning situation, then and only then will learning take place. Meaningful learning is reflected in learner's behaviour by :
- (A) Comprehending and memorisation
 - (B) Organisation of learning elements
 - (C) Purposeful engagement and performance
 - (D) Acquisition of desired knowledge.
91. A type of diagram that is used to cluster complex apparently unrelated data into natural and meaningful groups :
- (A) Dogbone diagram
 - (B) Affinity diagram
 - (C) Fishbone diagram
 - (D) Natural Diagram
92. Positive reinforcement provides better learning opportunities for the learners. This can be achieved by :
- (A) Providing stimulus and feedback
 - (B) Keeping strict observation
 - (C) Evaluating reports on performance
 - (D) Observing and punishing for non-performance

93. Part of the subgroup of the given population in which every member has an equal chance of being included in the sample :
- (A) Continuous data
 - (B) Ungrouped data
 - (C) Grouped data
 - (D) Random sample
94. CALL stands for :
- (A) Computer Ability in Language Learning
 - (B) Computer Aided Language Learning
 - (C) Computer Aided Linguistic Learner
 - (D) Computer Aided Lab Lesson
95. An Industrial Management Teacher is introducing a long-term project with several components. Students will be required to conduct research and interviews on a self-selected topic, write a report, and make an oral presentation. At this point in instruction, the teacher can best promote all students' ability to achieve the goals of the project by using which of the following strategies ?
- (A) Assigning students partners to provide support throughout the project and scheduling regular times for the partners to meet
 - (B) Reassuring students that they possess all of the skills and abilities needed to complete the project tasks
 - (C) Organizing project tasks in a step-by-step sequence and providing students with directions and reminders for completing each step
 - (D) Explaining to students how the objectives of the project fit into a larger instructional plan.
96. Scaled replica of real objects are called :
- (A) Realia
 - (B) Mock-up
 - (C) Model
 - (D) Replica

97. Students are most likely to be intrinsically motivated to learn and master subject matter when they :
- (A) know that they will be tested on their understanding of the content in the near future.
 - (B) believe that the work they are doing is interesting and relates to their own lives.
 - (C) perceive that their performance compares favorably with that of peers engaged in the same tasks.
 - (D) anticipate that they will receive positive reinforcement for achieving instructional objectives.
98. In which of the following situations is a teacher most clearly using reflection and self-assessment to improve professional practice ?
- (A) A teacher reviews videotapes of his or her instruction with a more experienced teacher to identify teaching strengths and challenges.
 - (B) A teacher asks another teacher to review his or her lesson plans prior to instruction and provide feedback on planned activities and materials.
 - (C) A teacher engages in co-teaching with a more experienced teacher when introducing particularly challenging content to students.
 - (D) A teacher creates a comprehensive description of activities used during each grading period to submit to the department chairperson.
99. Case study essentially helps in :
- (A) Develop problem solving skills
 - (B) Develop higher order cognitive skills
 - (C) Simplifying complex concepts
 - (D) Understanding life issues
100. Rubrics are important tool of assessment that :
- (A) Requires lot of time to develop exact performance statement
 - (B) Need to be continuously revised till it becomes useful
 - (C) Helps faculty grade/score more accurately, fairly and reliably
 - (D) Clarifies quality expectations to students about their assignments

SVSU Recruitment Examination 2019

Loaded Key Sheet for : 32 - Skill Assistant Professor (Electrical Engg.) , Set Code : A

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	C✓	21	A✓	41	C✓	61	D✓	81	A✓
2	C✓	22	A✓	42	C✓	62	A✓	82	D✓
3	A✓	23	B✓	43	B✓	63	B✓	83	B✓
4	A✓	24	D✓	44	B✓	64	D✓	84	A✓
5	B✓	25	D✓	45	C✓	65	A✓	85	A✓
6	C✓	26	C✓	46	C✓	66	D✓	86	B✓
7	A✓	27	B✓	47	B✓	67	D✓	87	D✓
8	C✓	28	D✓	48	D✓	68	D✓	88	B✓
9	C✓	29	C✓	49	B✓	69	C✓	89	C✓
10	C✓	30	C✓	50	A✓	70	A✓	90	C✓
11	B✓	31	A✓	51	B✓	71	B✓	91	B✓
12	A✓	32	A✓	52	B✓	72	B✓	92	A✓
13	A✓	33	A✓	53	A✓	73	C✓	93	D✓
14	D✓	34	B✓	54	A✓	74	D✓	94	B✓
15	A✓	35	C✓	55	B✓	75	D✓	95	C✓
16	A✓	36	A✓	56	C✓	76	A✓	96	C✓
17	D✓	37	B✓	57	B✓	77	B✓	97	B✓
18	B✓	38	B✓	58	B✓	78	B✓	98	A✓
19	A✓	39	B✓	59	C✓	79	B✓	99	B✓
20	C✓	40	A✓	60	D✓	80	C✓	100	C✓

SVSU Recruitment Examination 2019

Loaded Key Sheet for : 32 - Skill Assistant Professor (Electrical Engg.) , Set Code : B

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	D	21	B	41	A	61	A	81	C
2	B	22	B	42	C	62	B	82	B
3	A	23	B	43	C	63	B	83	A
4	C	24	A	44	C	64	B	84	B
5	A	25	C	45	B	65	C	85	C
6	A	26	C	46	A	66	A	86	B
7	B	27	B	47	A	67	D	87	B
8	D	28	B	48	D	68	B	88	A
9	D	29	C	49	A	69	A	89	A
10	C	30	C	50	A	70	A	90	B
11	B	31	B	51	D	71	B	91	C
12	D	32	D	52	D	72	D	92	B
13	C	33	B	53	D	73	B	93	B
14	C	34	A	54	C	74	C	94	C
15	A	35	C	55	A	75	C	95	D
16	A	36	C	56	B	76	B	96	D
17	A	37	A	57	B	77	A	97	A
18	B	38	A	58	C	78	D	98	B
19	C	39	B	59	D	79	B	99	D
20	A	40	C	60	D	80	C	100	A

SVSU Recruitment Examination 2019

Loaded Key Sheet for : 32 - Skill Assistant Professor (Electrical Engg.) , Set Code : C

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	D✓	21	D✓	41	B✓	61	B✓	81	C✓
2	C✓	22	B✓	42	A✓	62	D✓	82	B✓
3	C✓	23	A✓	43	C✓	63	B✓	83	B✓
4	A✓	24	C✓	44	A✓	64	C✓	84	C✓
5	A✓	25	C✓	45	A✓	65	C✓	85	D✓
6	A✓	26	A✓	46	B✓	66	B✓	86	D✓
7	B✓	27	A✓	47	D✓	67	A✓	87	A✓
8	C✓	28	B✓	48	D✓	68	D✓	88	B✓
9	A✓	29	C✓	49	C✓	69	B✓	89	D✓
10	B✓	30	A✓	50	B✓	70	C✓	90	A✓
11	B✓	31	C✓	51	A✓	71	C✓	91	D✓
12	B✓	32	C✓	52	B✓	72	B✓	92	D✓
13	A✓	33	C✓	53	B✓	73	A✓	93	D✓
14	C✓	34	B✓	54	B✓	74	B✓	94	C✓
15	C✓	35	A✓	55	C✓	75	C✓	95	A✓
16	B✓	36	A✓	56	A✓	76	B✓	96	B✓
17	B✓	37	D✓	57	D✓	77	B✓	97	B✓
18	C✓	38	A✓	58	B✓	78	A✓	98	C✓
19	C✓	39	A✓	59	A✓	79	A✓	99	D✓
20	B✓	40	D✓	60	A✓	80	B✓	100	D✓

SVSU Recruitment Examination 2019

Loaded Key Sheet for : 32 - Skill Assistant Professor (Electrical Engg.) , Set Code : D

Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key	Q.No.	Key
1	B✓	21	C✓	41	C✓	61	B✓	81	C✓
2	A✓	22	C✓	42	C✓	62	C✓	82	A✓
3	C✓	23	B✓	43	A✓	63	B✓	83	B✓
4	C✓	24	A✓	44	A✓	64	B✓	84	B✓
5	B✓	25	A✓	45	A✓	65	A✓	85	C✓
6	B✓	26	D✓	46	B✓	66	A✓	86	D✓
7	C✓	27	A✓	47	C✓	67	B✓	87	D✓
8	C✓	28	A✓	48	A✓	68	C✓	88	A✓
9	B✓	29	D✓	49	B✓	69	B✓	89	B✓
10	D✓	30	B✓	50	B✓	70	B✓	90	B✓
11	B✓	31	A✓	51	C✓	71	C✓	91	B✓
12	A✓	32	C✓	52	C✓	72	D✓	92	C✓
13	C✓	33	A✓	53	B✓	73	D✓	93	A✓
14	C✓	34	A✓	54	A✓	74	A✓	94	D✓
15	A✓	35	B✓	55	D✓	75	B✓	95	B✓
16	A✓	36	D✓	56	B✓	76	D✓	96	A✓
17	B✓	37	D✓	57	C✓	77	A✓	97	A✓
18	C✓	38	C✓	58	C✓	78	D✓	98	B✓
19	A✓	39	B✓	59	B✓	79	D✓	99	D✓
20	C✓	40	D✓	60	A✓	80	D✓	100	B✓