

UGC NET June 2020 1st October Morning Shift

Study the data in the given table and answer the questions that follow (UGC NET 1st Oct 2020 Morning paper)

The table below embodies data on the number of students who appeared 'A' and passed 'P' in a competitive examination from four different zones (K, L, M and N) during the year 2014 to 2019.

Year↓	Zone→	K		L		M		N	
		A	P	A	P	A	P	A	P
2014		782	360	612	310	720	410	1020	802
2015		804	472	608	324	728	480	1135	840
2016		720	448	636	298	680	390	1084	864
2017		750	360	655	305	695	396	1096	766
2018		824	504	640	346	712	424	1180	752
2019		850	496	600	315	740	464	1165	780

1.) What is the difference between the total number of students who appeared in the exam and the total number of students who passed in the exam from Zone-K in all the six years taken together?

- (A) 2060
- (B) 2070
- (C) 2080
- (D) 2090

2.) What is the average number of students who passed in the exam from all the four Zones in the year 2015?

- (A) 528
- (B) 529
- (C) 530
- (D) 531

3.) For which of the following Zones, the percentage of students who passed out to the total of those who appeared in the examination is minimum in the year 2019?

- (A) K
- (B) L
- (C) M
- (D) N

4.) What is the ratio of the number of students who passed from Zone-K in the year 2017 compared to that in 2018?

- (A) 7:5
- (B) 3:5
- (C) 5:7
- (D) 5:3

5.) The total number of students who passed from Zone-M in all the six years taken together is approximately what percentage of the total number of students who appeared from Zone-M in all the six years taken together?

- (A) 56%
- (B) 58%
- (C) 60%
- (D) 64%

6.) Identify those teaching strategies which are learner-centred (UGC NET 1st Oct 2020 Morning paper)

- a. Cooperative learning
- b. Team teaching
- c. Laboratory based projects
- d. Pair-share discussions
- e. Lecturing with PowerPoint presentations

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

7.) Reflective level teaching is different from memory level teaching because the pattern of communication that is involved in reflective level teaching is basically: (UGC NET 1st Oct 2020 Morning paper)

- (A) Linear
- (B) Bottom-up
- (C) Interactional
- (D) Transactional

8.) From the following, identify those features which are associated with 'Indirect Instructional Strategies' (UGC NET 1st Oct 2020 Morning paper)

- a. Guided student practice
- b. Focus on concept acquisition through question-answer sessions
- c. Presenting the stimulus material in small, easy to take steps
- d. Problem based presentation
- e. Participatory and collaborative moves stressed

Choose the correct answer from the options given below:

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

9.) Which part of the following assessment procedures is conducted during an in-progress teaching-learning session? (UGC NET 1st Oct 2020 Morning paper)

- (A) Summative
- (B) Formative
- (C) Norm-referenced
- (D) Criterion-referenced

10.) Given below are two statements (UGC NET 1st Oct 2020 Morning paper)

Statement I: The use of ICT in organizing teaching-learning Programmes in the universities has the potential to optimize learning outcomes.

Statement II: Formative assessment provides support to enhancing the quality of teaching-learning sessions.

In light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct but Statement II is incorrect
- (D) Statement I is incorrect but Statement II is correct

11.) Identify sampling procedures in which units are chosen giving an equal and independent chance (UGC NET 1st Oct 2020 Morning paper)

- a. Quota sampling procedure
- b. Stratified sampling procedure
- c. Dimensional sampling procedure
- d. Random sampling procedure
- e. Systematic Sampling procedure

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

12.) Given below are two statements (UGC NET 1st Oct 2020 Morning paper)

Statement I: Qualitative research paradigm emphasizes participant perspectives and uses an empirico-inductive approach

Statement II: In the same research project, it is neither possible nor desirable to use both Qualitative and Quantitative research paradigms

In light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct but Statement II is incorrect
- (D) Statement I is incorrect but Statement II is correct

13.) The research method which focuses on establishing causal relationships with controls among variables- independent, moderator and dependent, is called (UGC NET 1st Oct 2020 Morning paper)

- (A) Ex post facto method
- (B) Survey method
- (C) Case study method
- (D) Experimental method

14.) What are the characteristic features of the Quantitative Research paradigm? (UGC NET 1st Oct 2020 Morning paper)

- a. It is hypothetico-deductive
- b. It is focused on natural settings
- c. It lays stress on generalizations to the population characteristics
- d. It emphasizes numeric data from a large number of people
- e. It says that the literature review plays a minor role but justify the problem

Choose the correct answer from the options given below:

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

15.) What is the usual sequence of steps in the scientific method? (UGC NET 1st Oct 2020 Morning paper)

- a. Hypothesis making by identifying the variables
- b. Felt need which is creating the problem
- c. Identifying the difficulty and problem statement formulation
- d. Data analysis and interpretation
- e. Collection of data using appropriate research tools

Choose the correct answer from the options given below:

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

16.) In communication, interpretation of the message depends upon (UGC NET 1st Oct 2020 Morning paper)

- (A) The context
- (B) Transmission speed
- (C) Associated noise
- (D) Channel efficiency

17.) Which of the following factors are important in communication? (UGC NET 1st Oct 2020 Morning paper)

- a. Slang
- b. Cynical attitude
- c. Framing
- d. Priming
- e. Immediacy

Choose the correct answer from the options given below:

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

18.) The sequence of cultural institutions in communication is (UGC NET 1st Oct 2020 Morning paper)

- a. Family
- b. School
- c. Religion
- d. Mass media

Choose the correct answer from the options given below:

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

19.) Given below are two statements, one is labelled as Assertion A and the other is labelled as Reason R (UGC NET 1st Oct 2020 Morning paper)

Assertion A: Giving orders to students in the classroom is a specific form of communication

Reason R: The Manner of orders depends upon the cultural background of the students involved

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

20.) Match List I with List II (UGC NET 1st Oct 2020 Morning paper)

List I	List II
Examples	Type of communication
a. Meaningless sound and words	i. Polysemy
b. Traffic light signals	ii. Dyadic communication
c. Words that have different meanings	iii. Paralinguistic
d. Two persons exchanging greetings	iv. Non-verbal communication

Choose the correct answer from the options given below:

- (A) a-i, b-ii, c-iv, d-iii
- (B) a-ii, b-iii, c-i, d-iv
- (C) a-iii, b-iv, c-i, d-ii
- (D) a-iv, b-i, c-ii, d-iii

21.) The product of the ages of Sagun and Srishti is 240. If twice the age of Srishti is more than Sagun's age by 4 years, then what is Srishti's age? (UGC NET 1st Oct 2020 Morning paper)

- (A) 15
- (B) 12
- (C) 10
- (D) 20

22.) Complete the following series (UGC NET 1st Oct 2020 Morning paper)

9, 11, 15, 23, 39, ____?

- (A) 71
- (B) 65
- (C) 44
- (D) 68

23.) Given below are two statements (UGC NET 1st Oct 2020 Morning paper)

Statement I: Sum of the angles of a triangle is 180°

Statement II: The sum of any two sides of a triangle is greater than the third side

In light of the above statements, choose the correct 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

24.) Consider the following three sets of numbers (UGC NET 1st Oct 2020 Morning paper)

A. 2, 5, 9

B. 1, 6, 10

C. 3, 4, 8

Which of the following represents correct ascending order of the averages of three sets A, B and C?

Choose the correct answer from the options given below:

(A) $C < A < B$

(B) $B < C < A$

(C) $B < A < C$

(D) $C < B < A$

25.) If 30% of A = 0.25 of B = $\frac{1}{5}$ of C, then which of the following is true about A:B:C? (UGC NET

1st Oct 2020 Morning paper)

(A) 10:11:12

(B) 10:15:12

(C) 10:12:15

(D) 10:11:15

26.) A, B, C, D, E and F are standing in a circle and looking at the center. Only D is between A and B. Only F is between A and C. E is just left of B. Who is the only one standing between E and F? (UGC NET 1st Oct 2020 Morning paper)

(A) A

(B) B

(C) D

(D) C

27.) All things which have smoke have fire;

This hill has smoke;

Therefore, the hill has smoke;

No non-fiery things have smoke;

This hill has smoke;

Therefore, this hill is not non-fiery

The above is an example of which type of inference in Indian Logic? (UGC NET 1st Oct 2020 Morning paper)

(A) Purvavat

(B) Anvayavyatireki

(C) Kevalanvayi

(D) Kevalavyatireki

28.) Asidha is a fallacy when the middle term is (UGC NET 1st Oct 2020 Morning paper)

(A) Unproved

(B) Too wide

(C) Too narrow

(D) Non-exclusive

29.) Match List I with List II (UGC NET 1st Oct 2020 Morning paper)

List I	List II
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Pairs	Pairs of analogies
a. Assign : Allot	i. Code : Password
b. Length : Meter	ii. Clerk : Office
c. Doctor : Hospital	iii. Mend : Repair
d. Lock : Key	iv. Mass : Kilogram

Choose the correct answer from the options given below:

- (A) a-iii, b-iv, c-ii, d-i
- (B) a-iv, b-ii, c-iii, d-i
- (C) a-ii, b-iv, c-i, d-iii
- (D) a-iv, b-iii, c-ii, d-i

30.) A man is facing south-west. If he turns 90° in the anticlockwise direction and then 135° in the clockwise direction, which direction is he facing now? (UGC NET 1st Oct 2020 Morning paper)

- (A) West
- (B) North-West
- (C) North-East
- (D) East

31.) RAM is place on (UGC NET 1st Oct 2020 Morning paper)

- (A) Hard Disk
- (B) Extension board
- (C) Motherboard
- (D) USB

32.) Which of the following statements are correct? (UGC NET 1st Oct 2020 Morning paper)

- a. NKN stands for New Knowledge Network
- b. MOOCs are offline courses
- c. National Supercomputing Mission is a Government of India initiative
- d. Clock rate of CPU is measured in Gigabytes
- e. Param Shivay is a supercomputer

Choose the correct answer from the options given below:

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

33.) Given below are two statements (UGC NET 1st Oct 2020 Morning paper)

Statement I: Cache memory is faster than random access memory

Statement II: Random access memory is closer to the processor than cache memory

In light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct but Statement II is incorrect
- (D) Statement I is incorrect but statement II is correct

34.) Which one of the following is NOT a web browser? (UGC NET 1st Oct 2020 Morning paper)

- (A) Firefox
- (B) Facebook
- (C) Chrome
- (D) Safari

35.) URL stands for (UGC NET 1st Oct 2020 Morning paper)

- (A) Universal Resource Location
- (B) Universal Response Locator
- (C) Unified Response Location
- (D) Uniform Resource Locator

36.) Identify the correct sequence of the following States Union of India in terms of increasing wind energy potential (UGC NET 1st Oct 2020 Morning paper)

- a. Gujarat
- b. Rajasthan
- c. Madhya Pradesh
- d. Tamil Nadu

Choose the correct answer from the options given below

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

37.) Dissolved Oxygen (DO), an important parameter of water quality, is essential for survival of (UGC NET 1st Oct 2020 Morning paper)

- (A) Humans
- (B) Animals
- (C) Fish
- (D) Crops and vegetables

38.) Among the following elements which is typically the most abundant in dried sewage sludge? (UGC NET 1st Oct 2020 Morning paper)

- (A) Total nitrogen
- (B) Total sulphur
- (C) Calcium
- (D) Total phosphorus

39.) Identify the correct sequence of sectoral global CO_2 emissions in increasing order as per IPCC (2014) report: (UGC NET 1st Oct 2020 Morning paper)

- a. Electricity and heat production
- b. Buildings
- c. Transportation
- d. Industry

Choose the correct answer from the options given below:

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

40.) Under Goal 2 of Millennium Development Goals, UN member countries were to ensure that by 2015, children everywhere, boys and girls would be able to complete a full course of: (UGC NET 1st Oct 2020 Morning paper)

- (A) Primary education
- (B) Secondary education
- (C) Tertiary education
- (D) Skill based education

41.) Given below are two statements: (UGC NET 1st Oct 2020 Morning paper)

Statement I: A deemed to be university is a non-affiliating university

Statement II: The teacher-student ratio in a deemed to be university must not be less 1:10

In light of the above statements, choose the correct 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 II is incorrect but Statement II is true

42.) When did the United Nations Environmental Program (UNEP) and the International Program in Environmental Education (IIEP) come into existence? (UGC NET 1st Oct 2020 Morning paper)

- (A) 1972
- (B) 1975
- (C) 1982
- (D) 1992

43.) According to the census of 2011, which state/union territory had the maximum number of graduates in relation to its population? (UGC NET 1st Oct 2020 Morning paper)

- (A) Uttar Pradesh
- (B) Kerala
- (C) Daman and Diu
- (D) Chandigarh

44.) The full form of 'NEAT', a recently launched scheme of MHRD, Government of India, is: (UGC NET 1st Oct 2020 Morning paper)

- (A) National Engineering Aptitude Test
- (B) National Educational Alliance for Technology
- (C) National Education Alliance for testing
- (D) National English Aptitude Test

45.) An Inter-University Center for Yogic sciences has been set up by University Grants Commission in the state of: (UGC NET 1st Oct 2020 Morning paper)

- (A) Karnataka
- (B) Madhya Pradesh
- (C) Uttarakhand
- (D) Himachal Pradesh

Read the given passage carefully and answer the questions that follow (UGC NET 1st Oct 2020 Morning paper)

In Skinner's system, reinforcement is automatic, almost by definition. Perhaps the most convincing demonstration of the automatic effect of a reinforcer is what Skinner (1948) has called "superstitious behaviour". In this situation, an event known to be reinforcing is presented intermittently without respect to what the subject is doing. But if it is doing anything (and this can be made likely through deprivation, etc.), the response just prior to the delivery of the reinforcer is strengthened, as evidenced by an increase in its rate of emission. The subject comes to "act as if" the response that has been fortuitously strengthened somehow produces the reinforcement. This occurs even though the reinforcer is actually delivered by a mechanical device that is in no way responsive to the subject's behaviour.

The automatic effect of reinforcement is also illustrated in Skinner's effective techniques of shaping behaviour. These procedures could hardly have sprung from a point of view that regarded all behaviour as elicited. But with the organism viewed as "emitting" the varied responses already in his repertoire, it was an easy step to conceive of shaping. If the observer simply controlled the quick presentation of a reinforcer, then he could strengthen any behaviour the organism happened to emit. Responses not in the subject's repertoire could then be built into it by appropriate arrangements of environmental conditions and the successive approximation technique.

46.) According to Skinner, the superstitious behavior of individuals is the outcome of

- (A) Constant exposure to an event
- (B) Exposure to an event without regularity
- (C) Occasional exposure to an event
- (D) Natural exposure to an event

47.) The delivery of the reinforce gets strengthened due to

- (A) The subject's involvement in the event
- (B) Increase in the rate of reinforcement
- (C) Factors such as deprivation
- (D) The use of a mechanical device

48.) The example of a mechanical device reinforcing the subject's behavior demonstrates

- (A) The automatic effect of reinforcement
- (B) The illusion of reinforcement
- (C) The discrepancy in subject's behavior
- (D) The belief that every reaction is an act of reinforcement

49.) The procedure of shaping a subject's behavior is related to his

- a. Susceptibility
- b. Desire for reinforcement
- c. Responses already in his repertoire
- d. Responses reinforced by approximation techniques

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

50.) The responses that are not in the emission list of a subject, can be observed by

- (A) Coercive measures
- (B) Creating suitable environmental conditions
- (C) Inhibiting his natural emission behavior
- (D) Using mechanical devices for reinforcement