

UGC NET June 2020 4th November Evening Shift

The following table embodies the details about the enrolment of students in five different streams namely IT, Management, Commerce, Science and Arts in a college during the session 2019-20. A total number of 3500 students including 1500 girls have been enrolled in the college. Based on the data in the table, answer the questions 1-5: (UGC NET 4th Nov 2020 Evening paper)

Stream-wise Enrollment of students

Stream	Percentage (%) of students enrolled (out of 3500)	Percentage (%) of girls enrolled (out of 1500)
IT	20%	18%
Management	16%	12%
Commerce	12%	21%
Science	22%	11%
Arts	30%	38%

- 1.) What is the total number of boys enrolled in Management stream and IT stream together?
(A) 1050
(B) 810
(C) 1120
(D) 980
- 2.) What is the ratio of the number of girls enrolled in Arts to the number of boys enrolled in science?
(A) 14:23
(B) 2:3
(C) 114:121
(D) 53:65
- 3.) What is the total number of girls enrolled in Science and Commerce streams together?
(A) 450
(B) 495
(C) 345
(D) 480
- 4.) If 20% of the girls enrolled in Science change their stream to management, then what will be the new number of students belonging to management stream altogether?
(A) 593
(B) 733
(C) 453
(D) 1003
- 5.) The number of girls enrolled in Arts, Science and Commerce streams together forms what percent (%) of total number of students in the college?
(A) 25%
(B) 30%
(C) 40%
(D) 60%
- 6.) Which level of teaching uses higher level of cognitive abilities as specified in Bloom's taxonomy?
(UGC NET 4th Nov 2020 Evening paper)
(A) Memory level

- (B) Understanding level
- (C) Reflective level
- (D) Autonomous development level

7.) The teaching strategy best suited to deal with student who in terms of performance readiness level are in the category of 'able but unwilling' will be. (UGC NET 4th Nov 2020 Evening paper)

- (A) Assigning challenging tasks and delegation of roles
- (B) Involving in tasks and providing socio-emotional support with scope for recognition
- (C) Mentoring and guiding with close supervision
- (D) Keeping the tasks specific and soft

8.) Which of the following are said to be the behavioural competencies in an effective teaching-behaviour repertoire? (UGC NET 4th Nov 2020 Evening paper)

- I. Self-efficacy and locus of control
- II. Planning and teaching
- III. Managing and monitoring
- IV. Evaluating and providing feedback
- V. Logical, clear and confident

Choose the correct answer from the options given below:

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

9.) Given below are two statements: (UGC NET 4th Nov 2020 Evening paper)

Statement I: In a classroom assessment, a teacher finds that distributing of students' score is positively skewed. Hence the mean of scores will be greater than median and median will be greater than mode.

Statement II: When the distribution of students' score is found to be normal, all the three measures of central tendency coincide.

In the 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

10.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R: (UGC NET 4th Nov 2020 Evening paper)

Assertion A: Teaching-learning systems to be effective must be carefully planned, adequately implemented and appropriately evaluated.

Reason R: Effectiveness of teacher-learning systems is a pre-requisite for all levels of education.

In the 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

11.) Which of the following research focuses on enhancing the corpus of knowledge in a given field? (UGC NET 4th Nov 2020 Evening paper)

- (A) Action research
- (B) Applied research
- (C) Evaluative research
- (D) Fundamental research

12.) Which of the following research method employs internal and external criticism for sifting as evidences and data? (UGC NET 4th Nov 2020 Evening paper)

- (A) Ex post facto method
- (B) Experimental method
- (C) Historical method
- (D) Descriptive study method

13.) Identify the key features of qualitative research: (UGC NET 4th Nov 2020 Evening paper)

- I. Actual settings as the source of data
- II. Control, observe and measure as main operations
- III. Data take the forms of words or pictures
- IV. Concerned with participant perspective
- V. Hypothesis making and hypothesis testing

Choose the correct answer from the options given below:

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

14.) Given below are two statements: (UGC NET 4th Nov 2020 Evening paper)

Statement I: The population in research means a defined aggregate of something which is the focus of study

Statement II: A sample is a sub-aggregate drawn from a defined aggregate to represent it.

In the 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

15.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R: (UGC NET 4th Nov 2020 Evening paper)

Assertion A: Research ethics is a must in order to lend credibility to the research findings and their use in authentic situations.

Reason R: Application of ICT in research vouches for credibility of research results.

In the 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

16.) Immediacy of cues in communication is dependent upon one's own (UGC NET 4th Nov 2020 Evening paper)

- (A) Economic preferences

- (B) Cultural background
- (C) Physical fitness
- (D) Social expectations

17.) Which of the following methods help improve academic communication? (UGC NET 4th Nov 2020 Evening paper)

- I. Preference to vertical communication
- II. Training individual students in communication skills
- III. Restricting too much generation of information
- IV. Recognising cultural and linguistic differences among students
- V. Opting for uniformity in using cultural symbols

Choose the correct answer from the options given below:

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

18.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R: (UGC NET 4th Nov 2020 Evening paper)

Assertion A: Verbal communication takes place in real time

Reason R: Written communication is synchronous in character as it appears at different intervals.

In the 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

19.) Identify the correct sequence of the emergence of the following publications: (UGC NET 4th Nov 2020 Evening paper)

- I. Standard newspapers
- II. News book
- III. News sheets
- IV. Tabloids
- V. Broad sheets

Choose the correct answer from the options given below:

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

20.) Match List I with List II (UGC NET 4th Nov 2020 Evening paper)

List I (Systems of communication)

- I. Western
- II. Indian
- III. Buddhist
- IV. Chinese

List II (Focussed elements)

- 1. Non-competitive and co-operative

2. Co-existence of binary oppositions

3. Emotional variants

4. Rhetorical devices

Choose the correct answer from the options given below:

(A) I-1, II-3, III-4, IV-2

(B) I-4, II-3, III-1, IV-2

(C) I-2, II-4, III-3, IV-1

(D) I-4, II-1, III-3, IV-2

21.) Three persons are walking around a ground. They take 20, 30 and 40 minutes to complete one round. If they start from a single point together, they will meet again at that point after: (UGC NET 4th Nov 2020 Evening paper)

(A) 1 hour

(B) $1\frac{1}{2}$ hours

(C) 2 hours

(D) $2\frac{1}{2}$ hours

22.) In a class of 65 students, 27 speak Hindi, 21 speak English and 17 speak Bangla, 7 speak only English and Hindi, 6 speak only Hindi and Bangla and 5 speak only English and Bangla. If 12 speak only Hindi then how many speak all the three languages. (UGC NET 4th Nov 2020 Evening paper)

(A) 5

(B) 4

(C) 3

(D) 2

23.) The sum of four consecutive odd integers is 2160. The greatest of them is (UGC NET 4th Nov 2020 Evening paper)

(A) 327

(B) 429

(C) 543

(D) 641

24.) A two digit number is 4 times the sum of its two digits. The number that is formed by reversing its digits is 27 more than its original number. What is the number? (UGC NET 4th Nov 2020 Evening paper)

(A) 27

(B) 36

(C) 42

(D) 54

25.) The sum of the squares of three numbers is 83, while sum of their products taken two at a time is 71. Their sum will be (UGC NET 4th Nov 2020 Evening paper)

(A) 15

(B) 49

(C) 142

(D) 225

26.) Which of the following *Pramanas* is accepted in *Vaisheshika* philosophy? (UGC NET 4th Nov 2020 Evening paper)

- I. *Pratyaksha*
- II. *Anuman*
- III. *Upamana*
- IV. *Sabda*
- V. *Arthapatti*

Choose the correct answer from the options given below:

- (A) I and II only
- (B) II and III only
- (C) III and IV only
- (D) I and IV only

27.) Match List I with List II (UGC NET 4th Nov 2020 Evening paper)

List I (Concept/ Doctrine)

- I. *Pratityasamudpada*
- II. *Abhava*
- III. *Samyavastha*
- IV. *Adhyasa*

List II (School)

- 1. Vedant
- 2. *Sankhya*
- 3. *Nyaya*
- 4. Buddhism

Choose the correct answer from the options given below:

- (A) I-1, II-3, III-4, IV-2
- (B) I-2, II-4, III-3, IV-1
- (C) I-4, II-3, III-2, IV-1
- (D) I-4, II-1, III-2, IV-3

28.) In the figure of categorical syllogism, Quantity and Quality of a proposition determine: (UGC NET 4th Nov 2020 Evening paper)

- (A) Validity of Syllogism
- (B) Mood of the syllogism
- (C) Figure of the syllogism
- (D) Fallacy of the syllogism

29.) Match List I with List II (UGC NET 4th Nov 2020 Evening paper)

List I (Concept)

- I. Phenomenon and Noumenon
- II. Potential and actual being
- III. Mind and body Dualism
- IV. Primary and Secondary qualities

List II (Philosopher)

- 1. Aristotle
- 2. Descartes
- 3. Locke
- 4. Kant

Choose the correct answer from the options given below:

- (A) I-1, II-3, III-4, IV-2

- (B) I-3, II-2, III-1, IV-4
- (C) I-4, II-1, III-2, IV-3
- (D) I-2, II-4, III-3, IV-1

30.) According to the law of excluded middle: (UGC NET 4th Nov 2020 Evening paper)

- (A) A proposition could be true and false simultaneously
- (B) A proposition is either true or false
- (C) A proposition is true if it is false
- (D) A proposition is neither true nor false

31.) An unsolicited e-mail message sent to many recipients at once is a (UGC NET 4th Nov 2020 Evening paper)

- (A) Inbox
- (B) Spam
- (C) Virus
- (D) Attack

32.) Given below are two statements: (UGC NET 4th Nov 2020 Evening paper)

Statement I: Operators are symbols that are used to perform calculations, make comparisons and check logical condition.

Statement II: Relational operators are used for arithmetic operations.

In the 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

33.) Given below are two statements: (UGC NET 4th Nov 2020 Evening paper)

Statement I: In peer-to-peer network, there is no central server instead each computer can act as a server as well as a client.

Statement II: LAN is a computer network for individual person

In the 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.) A computer network enables two or more computers to (UGC NET 4th Nov 2020 Evening paper)

- (A) Increase the speed
- (B) Share data and hardware resources
- (C) Increase the work
- (D) Monitor the software

35.) Full form of the abbreviation OCR is (UGC NET 4th Nov 2020 Evening paper)

- (A) Optical Character Recognition
- (B) Online Computer Reader
- (C) Optical Computer Recognition
- (D) Optical Control Reader

36.) Which of the following countries has not signed/ratified the International Solar Alliance Framework Agreement? (UGC NET 4th Nov 2020 Evening paper)

- (A) Australia
- (B) United Kingdom
- (C) Japan
- (D) China

37.) Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R: (UGC NET 4th Nov 2020 Evening paper)

Assertion A: Energy production from biomass has traditionally been considered carbon neutral

Reason R: Carbon dioxide emissions from combustion of biomass are sequestered by growing biomass.

In the 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

38.) For wind power electricity generation which among the following type of rotors is most commonly used? (UGC NET 4th Nov 2020 Evening paper)

- (A) Multi-blade rotor
- (B) Propeller rotor
- (C) Savonius rotor
- (D) Darrieus rotor

39.) Given below are two statements: (UGC NET 4th Nov 2020 Evening paper)

Statement I: Chronic toxic effects result from single dose of very high toxic substance or continuous exposure of sub lethal dose

Statement II: Acute toxic effects are long lasting and irreversible mainly caused due to prolonged exposure to toxins and survival rate is very low.

In the 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

40.) Which of the following goals are related to millennium Development Goals? (UGC NET 4th Nov 2020 Evening paper)

- I. Improving maternal health
- II. Controlling depletion of ozone layer
- III. Improving the life of slum dwellers
- IV. Creating smart city infrastructure
- V. Promoting gender equality and empowerment of women

Choose the correct answer from the options given below:

- (A) I, III, V only
- (B) I, III, IV, V only

- (C) I, II, III, V only
(D) I, II, IV, V, only

41.) The Universities centered on the viharas during the Ancient India Period were situated at: (UGC NET 4th Nov 2020 Evening paper)

- I. Navadeep
- II. Nalanda
- III. Valabhi
- IV. Jagaddala
- V. Kanchi

Choose the correct answer from the options given below:

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

42.) Arrange the steps followed in the process of value clarification (UGC NET 4th Nov 2020 Evening paper)

- I. Students are presented with an issue
- II. Students suggest alternative solutions
- III. Students express their feelings about each alternative
- IV. Students consider the consequences of each alternative
- V. Students express their preferences and make a choice

Choose the correct answer from the options given below:

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

43.) As per the recent All India Survey on Higher Education, the Gross Enrolment Ratio (GER) in higher education for the year 2018-19, in India is (UGC NET 4th Nov 2020 Evening paper)

- (A) 24.6%
(B) 25.6%
(C) 26.3%
(D) 27.8%

44.) UGC portal 'e-SARTS' is for (UGC NET 4th Nov 2020 Evening paper)

- (A) Special Assistance for Research in Technology and Sciences
(B) Special Assistance for Research and Training in Sciences
(C) Support for Academic and Research Training in Social Sciences
(D) Scholarship-Fellowship Award Recognition Tracking System

45.) An institution in the field of higher education desirous of getting the status of 'Deemed to be University' has to fulfil the following criteria: (UGC NET 4th Nov 2020 Evening paper)

- I. The institution must be at least 10 years old
- II. Its NAAC CGPA is at least 3.5
- III. It figures in top 100 ranks of NIRF in overall category of institutions and Universities.
- IV. Teacher student ratio in the institution is at least 1:20
- V. Number of teachers (faculty) is at least 50.

Choose the correct answer from the options given below:

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

Read the passage carefully and answer questions from 46 to 50. (UGC NET 4th Nov 2020 Evening paper)

People seldom continue to do things that do not provide positive reinforcement, either through external reward or internal satisfaction. In addition to its effect on the continuation of a particular behaviour, extinction can also have an emotional impact. We could predict, for example, with an excellent chance of being correct, that an employee will become surely, will complain more than before, or will have problems getting along with his co-workers. Emotional behaviour usually accompanies extinction when reinforcement or punishment is withheld. Parents often extinguish behaviours unintentionally when they pay attention only when the children are behaving poorly. If parents pay little or no attention when the children are behaving appropriately, they in a sense put the behaviour on extinction. A child who wants attention- a reward- from the parents may be willing to endure what the parents think is punishment to get it. So, in the long run, those parents might be reinforcing inappropriate behaviour; yet it happens all the time. This phenomenon is also very common in the world of work. For example, a manager's work/group had responded well to a high task-low relationship, dealing firmly with inappropriate behaviour. Now suddenly this style is not achieving results, and followers are being disruptive and making unreasonable demands. Positively reinforcing inappropriate behaviour generally results in more unwanted behaviour.

46.) What do people need to continue working for internal satisfaction?

- (A) Some threat
- (B) Some emotional reaction
- (C) Some pleasant experiences after the behaviour occurs
- (D) Threat mixed with something pleasant

47.) When reinforcement is withheld from a worker, it may lead, inter alia, to

- (A) Expectation of getting something pleasant
- (B) Decrease in complaining behaviour
- (C) Expectation of threats
- (D) Evocation of negative emotions

48.) When the unintended neglect of appropriate behaviour results in

- (A) Extinction of that behaviour
- (B) Seeking reward for appropriate behaviour
- (C) Positive reinforcement
- (D) Further occurrence of the original behaviour

49.) Positively reinforcing inappropriate behaviour is an error because it results in

- (A) Continuation of inappropriate behaviour
- (B) Dropping of inappropriate behaviour
- (C) Misbehaviour
- (D) Negative emotions

50.) The focus of passage is on

- (A) Reward and punishment policies in an organisation
- (B) High risk relationship between managers and workers

- (C) The managerial attitude towards workers
- (D) The negative consequences of positive reinforcement