# UGC NET Paper 1 – 23 June Evening

**1. Read the following passage and answer the questions that follow.**

Study the following table and answer the questions 01 to 05.

The following table shows the constitution of students' population on the basis of certain demographic variables in four colleges:

| College | Total no. of students | Rural : Urban | Male : Female | Percentage of Post-graduate within females |
|---|---|---|---|---|
| A | 400 | 3:7 | 7:3 | 40% |
| B | 500 | 1:4 | 4:1 | 60% |
| C | 700 | 3:4 | 4:3 | 50% |
| D | 600 | 1:1 | 2:1 | 30% |

Total urban population of the students in colleges A and B is how much percent of total population of these two colleges?

1. 13.24%
2. 24.44%
3. 75.56%
4. 88.80%

**2. Read the following passage and answer the questions that follow.**

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| C | 700 | 3:4 | 4:3 | 50% |
| D | 600 | 1:1 | 2:1 | 30% |

What percentage of total number of female students in the colleges B, C and D are post-graduate?

1. 55%
2. 45%
3. 27.27%
4. 12.27%

**3. Read the following passage and answer the questions that follow.**

Study the following table and answer the questions 01 to 05.

The following table shows the constitution of students' population on the basis of certain demographic variables in four colleges:

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| C | 700 | 3:4 | 4:3 | 50% |
| D | 600 | 1:1 | 2:1 | 30% |

What is the total number of urban students in all the four colleges?

1. 1380
2. 1680
3. 1100
4. 820

**4. Read the following passage and answer the questions that follow.**

Study the following table and answer the questions 01 to 05.

The following table shows the constitution of students' population on the basis of certain demographic variables in four colleges:

| College | Total no. of students | Rural : Urban | Male : Female | Percentage of Post-graduate within females |
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| A | 400 | 3:7 | 7:3 | 40% |
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| C | 700 | 3:4 | 4:3 | 50% |
| D | 600 | 1:1 | 2:1 | 30% |

How many female students are post graduate in total students of all the colleges?
1. 720
2. 318
3. 2200
4. 1100

**5. Read the following passage and answer the questions that follow.**

Study the following table and answer the questions 01 to 05.

The following table shows the constitution of students' population on the basis of certain demographic variables in four colleges:

| College | Total no. of students | Rural : Urban | Male : Female | Percentage of Post-graduate within females |
|---|---|---|---|---|
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| B | 500 | 1:4 | 4:1 | 60% |
| C | 700 | 3:4 | 4:3 | 50% |
| D | 600 | 1:1 | 2:1 | 30% |

The number of female students in college C is how much percent less than the number of male students in this college?
1. 1%
2. 15%
3. 25%
4. 75%

**6.** For the maxim of teaching, from known to unknown, the first thing to be focused by the teacher is -
1. Recapitulation
2. Presentation of the teacher
3. Content Selection
4. Previous knowledge of the learner

**7.** The teacher is the only source of knowledge. This dictum justifies the teaching method:
1. Lecture method
2. Project method
3. Learner centric method
4. Outcome based method

**8.** Arrange the following stages of personality development sequentially as proposed by Freud
A. Phallic
B. Oral
C. Anal
D. Genital
E. Latency
Choose the **correct** answer from the options given below:
1. B, A, C, E, D
2. B, C, A, E, D
3. B, D, E, C, A
4. A, E, C, D, B

**9.** Select CORRECT statements pertaining to phases of teaching
A. Sequential arrangement of content is done during Pre-active phase
B. A quick review of interest, aptitude and ability of learners is a post-active phase
C. Formulation of objectives is a step in pre-active phase
D. Assessment is done in post-active phase
E. Evaluation is done to measure learning progress during Inter-active phase
Choose the **correct** answer from the options given below:
1. A and C only
2. B and D only
3. B and E only
4. A, B, C and E only

**10.** Match the **LIST-I** with **LIST-II**
**LIST-I – Assessment**
A. Norm-Referenced
B. Criterion Referenced
C. Self Referenced
D. Competency Based
**LIST-II – Function**
I. Position of the learner in the class
II. Cut off marks
III. Current behavior compared to earlier behavior
IV. Measures effective performance of task
Choose the ***correct*** answer from the options given below:
1. A-III, B-IV, C-II, D-I
2. A-IV, B-I, C-III, D-II
3. A-II, B-IV, C-I, D-III
4. A-I, B-II, C-III, D-IV

**11.** A study in which the researcher directly intervenes in and / or manipulates a natural setting in order to observe what happens as a consequence of that intervention is called as:
1. Field simulation
2. Field negotiation
3. Field disturbance
4. Field investigation

**12.** Arrange the steps in hypothetico-deductive model
A. Data analysis
B. Observation
C. Framing hypothesis
D. Data collection
E. Reject/accept hypothesis
Choose the **correct** answer from the options given below:
1. C, B, A, D, E
2. B, C, D, A, E
3. D, A, C, B, E
4. A, B, C, D, E

**13.** Arrange the following methods of data collection in terms of the personal involvement of researcher from high to low.
A. Structured interview
B. Unstructured interview
C. Questionnaire
D. Participant observation
E. Observation
Choose the **correct** answer from the options given below:
1. A, B, C, D, E
2. D, E, B, A, C
3. E, A, B, C, D
4. C, B, A, D, E

**14.** Some of the most useful code of ethics in social research have been formulated by -
A. British Sociological Association
B. German Sociological Society
C. Social Research Association
D. Austrian Psychological Association
E. The political & psychological research council
Choose the **correct** answer from the options given below:
1. A & B only
2. A & C only
3. A & D only
4. B & E only

**15.** Match the **LIST-I** with **LIST-II**
**LIST-I – Theorist**
A. Auguste Comte
B. Karl Popper
C. Max Weber
D. Claire Wallace
**LIST-II – Concept/Perspective**
I. Falsification
II. Interpretivism
III. Feminism
IV. Positivism
Choose the ***correct*** answer from the options given below:
1. A-I, B-II, C-III, D-IV
2. A-II, B-I, C-IV, D-III
3. A-IV, B-III, C-I, D-II
4. A-IV, B-I, C-II, D-III

**16.** This term is derived from the French, meaning type or classification. It is used in literature and mostly in cinema to classify as a tragedy, epic, comedy, satire, action etc. What is this term?
1. A-la-carte
2. Typecast
3. Guild
4. Genre

**17.** Which of the following defines selective exposure?
1. The idea that you are more likely to recall things that support your beliefs, values and attitude
2. The idea that you are more likely to expose yourself to that which supports your beliefs, values and attitude
3. The idea that you are more likely to perceive and focus on things that support your beliefs, values and attitudes
4. News selection

**18.** Arrange the following stages of transmission models of news learning mentioned in Denis McQuail's book from start to end:
A. Comprehension
B. News item display
C. Learning
D. Actual Exposure
E. Recall
Choose the **correct** answer from the options given below:
1. B, D, A, E, C
2. B, D, E, A, C
3. C, B, E, A, D
4. E, B, D, A, C

**19.** Forms of interpersonal conflicts combine
A. Pervasive communication
B. Innovation Diffusion
C. Hostile episode
D. Agenda-setting model
E. Disagreeable communication
Choose the **correct** answer from the options given below:
1. C, D & E only
2. A, C & E only
3. A, C & D only
4. B, C & D only

**20.** Match the **LIST-I** with **LIST-II**
**LIST-I – Forms of message style**
A. Threat
B. Altruism
C. Promise
D. Liking
**LIST-II – Dialogue, examples**
I. I think you are great, would you clean the apartment
II. I will make your favourite dinner if you clean the apartment
III. If you will not clean the apartment I am going to be mad
IV. For my sake clean the apartment, will you?
Choose the ***correct*** answer from the options given below:
1. A-III, B-IV, C-II, D-I
2. A-III, B-II, C-IV, D-I
3. A-III, B-I, C-IV, D-II
4. A-IV, B-III, C-II, D-I

**21.** The sum of two numbers is 20 and the product of their LCM and HCF is 96. Then the sum of squares of these numbers is equal to:

1. 208
2. 582
3. 2308
4. 1033

**22.** Arrange the following in the decreasing order

A. LCM of 15, 20, 75

B. LCM of $\frac{25}{3}, \frac{40}{9}, \frac{50}{6}$

C. HCF of 600, 150, 675

D. LCM of 4, 6, 9

E. HCF of 0.5, 1.5, 3.5

Choose the **correct** answer from the options given below:

1. A>C>B>D>E
2. A>C>B>E>D
3. A>B>C>D>E
4. A>B>C>E>D

**23.** The average test score of a class of m students is 60 and that of n students is 81. When the scores of both classes are combined, then the average is 70. In this context, which of the following statements are correct?

A. $\frac{m+n}{m-n}=21$

B. $\frac{m}{m-n}=11$

C. $\frac{n}{n+m}=10$

D. $\frac{m}{m+n}=11$

E. $\frac{n}{m-n}=10$

Choose the **correct** answer from the options given below:

1. A, B, C only
2. A, B, E only
3. C, D, E only
4. B, C, D only

**24.** Match the **LIST-I** with **LIST-II**

If $a=\frac{\sqrt{5}-2}{\sqrt{5}+2}$, then match the following

**LIST-I**

A. $a+\frac{1}{a}$

B. $\frac{1}{a}-a$

C. $\frac{1}{2}\left(a^2+\frac{1}{a^2}\right)$

D. $\frac{1}{a^2}-a^2$

**LIST-II**

I. $8\sqrt{5}$

II. 161

III. 18

IV. $144\sqrt{5}$

Choose the ***correct*** answer from the options given below:

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

**25.** Match the **LIST-I** with **LIST-II**

**LIST-I**

A. $\sin^2 30^\circ+\cos^2 30^\circ+\sin 90^\circ$

B. $\sin^2 45^\circ+\cos^2 45^\circ+\cos 90^\circ$

C. $2\sin^2 60^\circ+2\cos^2 30^\circ+\cos 0^\circ$

D. $4\cos 60^\circ+2\cos^2 30^\circ+5\sin^2 45^\circ$

**LIST-II**

I. 4

II. 2

III. 1

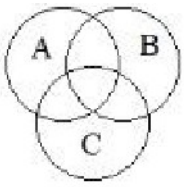
IV. 6

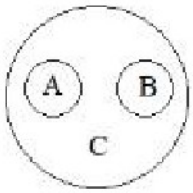
Choose the ***correct*** answer from the options given below:

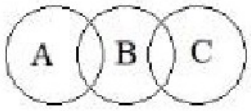
1. A-III, B-IV, C-I, D-II
2. A-II, B-III, C-I, D-IV
3. A-IV, B-III, C-II, D-I
4. A-III, B-II, C-IV, D-I

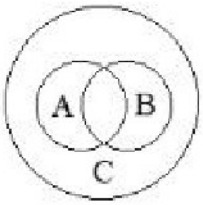
**26.** Select the Venn diagram that best illustrates the relationship among the following classes:

(A) Dogs (B) Pets (C) Cats

1. 


2. 


3. 


4. 


1. 1

2. 2

3. 3

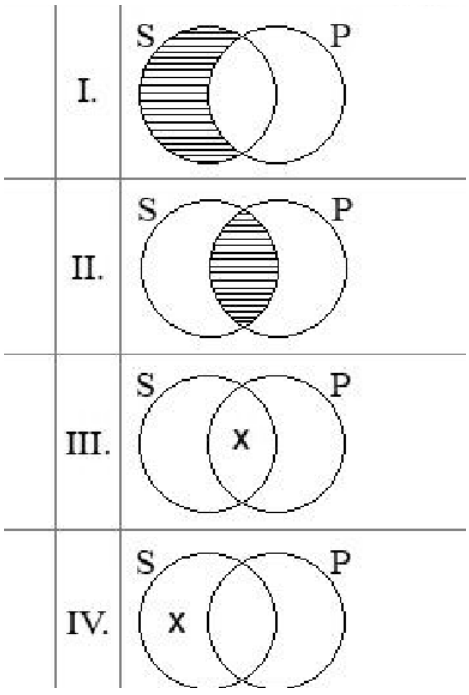
4. 4

**27.** Arrange the following steps according to deductive reasoning
A. Data collection
B. Hypothesis
C. General principle (Theory)
D. Specific Result
E. Analysis
Choose the **correct** answer from the options given below:
1. B, A, C, D, E
2. A, B, C, D, E
3. C, B, A, E, D
4. D, E, A, B, C

**28.** Which of the following statements correctly explain the fallacy of hasty generalization?
A. It draws a general conclusion from insufficient evidence
B. It is also known as converse accident
C. It relies on large and representative samples
D. It often results in stereotypes
E. Anecdotal evidence is sufficient to justify generalization
Choose the **correct** answer from the options given below:
1. A, B and D only
2. A, C and D only
3. B, C and E only
4. C, D and E only

**29.** Which of the following pertain to the Denotation?
A. Extension
B. Intension
C. Area
D. Limit
E. Aim
Choose the **correct** answer from the options given below:
1. A, C and D only
2. B, C and E only
3. A, D and E only
4. B, D and E only

**30.** Match the **LIST-I** with **LIST-II**
**LIST-I**
A. A - proposition
B. E - proposition
C. I - proposition
D. O - proposition
**LIST-II**
I. (Diagram I – see figure)
II. (Diagram II – see figure)
III. (Diagram III – see figure)
IV. (Diagram IV – see figure)




Choose the ***correct*** answer from the options given below:
1. A-IV, B-III, C-II, D-I
2. A-II, B-III, C-I, D-IV
3. A-III, B-II, C-IV, D-I
4. A-I, B-II, C-III, D-IV

**31.** Gyan Vani FM channel is run by:
1. AICTE
2. UGC
3. IGNOU
4. NIOS

**32.** Arrange the steps followed to delete an E-mail permanently:
A. Click on Inbox of your email
B. Click delete, the e-mail will be sent to Trash folder
C. Confirm the clear/delete trash option, folder will get empty
D. Select checkbox corresponding to e-mails you want to delete
E. Click on Empty trash option
Choose the **correct** answer from the options given below:
1. A, D, B, C, E
2. A, D, B, E, C
3. A, B, D, C, E
4. A, B, D, E, C

**33.** Which devices are NOT used in a network?
A. DJ45
B. Gateway
C. Modem
D. RJ45
E. Media Access Control (MAC)
Choose the **correct** answer from the options given below:
1. A, D only
2. B, C only
3. A, E only
4. D, E only

**34.** Which among these are the input devices?
A. Touch pad
B. Touch screen
C. Magnetic Ink Character Recognition (MICR)
D. Optical Mark Reading and Recognition (OMR)
E. Monitor
Choose the **correct** answer from the options given below:
1. A, B only
2. B, D & E only
3. A, B, C, D only
4. C, D, E only

**35.** Match the **LIST-I** with **LIST-II**
**LIST-I**
A. 1GB (Gigabytes)
B. 1KB (Kilobytes)
C. 1TB (Terabytes)
D. 1MB (Megabytes)
**LIST-II**
I. $10^{12}$ bytes
II. $10^{6}$ bytes
III. $10^{3}$ bytes
IV. $10^{9}$ bytes
Choose the ***correct*** answer from the options given below:
1. A-III, B-IV, C-II, D-I
2. A-IV, B-I, C-III, D-II
3. A-III, B-II, C-I, D-IV
4. A-IV, B-III, C-I, D-II

**36.** In one of the 'Conference of Parties' (COP), an agreement on plans for finance to mitigate the effects of climate change and help developing nations transition to more sustainable energy sources had been signed. Which country hosted that COP?
1. United Kingdom, COP 26
2. United Arab Emirates, COP 28
3. Azerbaijan, COP 29
4. Brazil, COP 30

**37.** Producing of the following items requires huge amount of fresh water. Arrange them from highest to lowest in order of water-consumption.
A. Bread
B. Car
C. Jeans
D. House
E. T-shirt
Choose the **correct** answer from the options given below:
1. D, C, E, B, A
2. D, B, E, C, A
3. D, E, B, C, A
4. D, B, C, E, A

**38.** Arrange the following events in proper sequence with respect to land degradation cycle arising from opencast mining, mineral dressing and other related activities.
A. Loss of greenery
B. Drying up of land
C. Land degradation
D. Decrease in irrigation potential
E. Desertification
Choose the **correct** answer from the options given below:
1. A, B, C, D, E
2. A, D, B, C, E
3. A, C, B, D, E
4. A, B, D, C, E

**39.** Green Accounting is a widely prevalent concept both in developed and underdeveloped countries. Which of the following are true related to it?
A. It can be described as number of individuals of a species that it can sustain.
B. It underlines the same concept of sustainable development.
C. It provides us an economic interpretation of both resource base and the environment quality as against the GDP.
D. It gives us a uniform level by converting both natural resource base and the environment quality in monetary terms.
E. The concepts of green accounting and carrying capacity are different.
Choose the **correct** answer from the options given below:
1. A, B, D only
2. A, C, E only
3. B, C, E only
4. B, C, D only

**40.** Match the **LIST-I** with **LIST-II**

**LIST-I – Radionuclide**

A. Iodine - 131

B. Strontium - 90

C. Plutonium - 239

D. Caesium - 137

**LIST-II – Target Tissue**

I. Spleen

II. Bones

III. Soft tissue

IV. Liver

Choose the ***correct*** answer from the options given below:

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

**41.** Foreign universities can now open campus in India. This is because India is a signatory of :

1. Dunkel Project (DP)
2. General Agreement on Trade in Services (GATS)
3. Sustainable Development Goals (SDGs)
4. Incheon Declarations (ID)

**42.** Arrange the opening lines of stanzas in Vande Matram

A. Sujalam, Suflam malyaj sheetalam

B. Saptakoti kanth kalkal ninad karale

C. Shubra jyotsna pulkit yaminim

D. Tvan hi durga dashapraharan dharini

E. Tumi vidya tumi dharma, tumi hridi tumi marma

Choose the **correct** answer from the options given below:

1. A, C, D, E, B
2. A, C, B, D, E
3. A, C, B, E, D
4. D, E, B, A, C

**43.** The effective implementation of the world ethics will only be possible if it is taken up by all sections of the community. It should include,

A. Parents teaching their children to act with respect for other people and other species.

B. Educators incorporating the world ethics into their teaching.

C. Artists have significant role in it.

D. Technologists must not take part in it.

E. As no legal issues are involved in world ethics, lawyers have no role in it.

Choose the **correct** answer from the options given below:

1. A, B, C only
2. A, C, D only
3. A, D, E only
4. B, C, E only

**44.** Match the **LIST-I** with **LIST-II**

**LIST-I – Scheme**

A. PRAGATI

B. SAKSHAM

C. QIP

D. MODROB

**LIST-II – Agenda**

I. For faculty development and research upgradation

II. Fellowship for specially-abled students

III. Improvement of laboratories and infrastructure

IV. Fellowship for girl students in technical Education

Choose the ***correct*** answer from the options given below:

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

**45.** Match the **LIST-I** with **LIST-II**

**LIST-I**

A. Carvak

B. Sharantrayi

C. Kalesha

D. Mandukya

**LIST-II**

I. First step in Pabbaja

II. A Upnishad

III. Nastik school of Indian philosophy

IV. Asmita-one of five affliction

Choose the ***correct*** answer from the options given below:

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

**46. Read the following passage and then answer the question:**

The workforce has become increasingly more diverse and this trend toward diversity will continue. This includes increasing diversity along racial, ethnic and gender lines, as well as an increasing percentage of the workforce that is over age fifty-five. Effectively managing diversity has been identified as one of five distinguishing features of organizations that make it onto Fortune magazine's list of 100 Best Companies. Diversity issues have several implications for HRD professionals. First, organizations need to address racial, ethnic and other prejudices that may persist, as well as cultural insensitivity and language differences. Second, with the increasing numbers of women in the workforce, organizations should continue to provide developmental opportunities that will prepare women for advancement into the senior ranks and provide safeguards against sexual harassment. Third, the ageing of the workforce highlights the importance of creating HRD programs that recognize and address the learning-related needs of both younger and older workers. Diversity can be a catalyst for improved organizational performance - though this is far from a sure thing!

The specific requirement of an ageing workforce would be related to:

1. Removal of prejudices
2. Learning-related needs
3. Cultural sensitivity
4. Racial parity

**47. Read the following passage and then answer the question:**

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The prediction of diversity in the opening line of the paragraph is that the trend will:
1. Stop
2. Persist
3. Transform
4. Diverge

**48. Read the following passage and then answer the question:**

The workforce has become increasingly more diverse and this trend toward diversity will continue. This includes increasing diversity along racial, ethnic and gender lines, as well as an increasing percentage of the workforce that is over age fifty-five. Effectively managing diversity has been identified as one of five distinguishing features of organizations that make it onto Fortune magazine's list of 100 Best Companies. Diversity issues have several implications for HRD professionals. First, organizations need to address racial, ethnic and other prejudices that may persist, as well as cultural insensitivity and language differences. Second, with the increasing numbers of women in the workforce, organizations should continue to provide developmental opportunities that will prepare women for advancement into the senior ranks and provide safeguards against sexual harassment. Third, the ageing of the workforce highlights the importance of creating HRD programs that recognize and address the learning-related needs of both younger and older workers. Diversity can be a catalyst for improved organizational performance - though this is far from a sure thing!

What does the last line of the passage imply?
1. Diversity has a harmful effect on organizational performance.
2. There is ambiguity regarding its role for improved organisational performance.
3. Diversity does not bring change in organizational performance.
4. Diversity has a negative impact on employees.

**49. Read the following passage and then answer the question:**

The workforce has become increasingly more diverse and this trend toward diversity will continue. This includes increasing diversity along racial, ethnic and gender lines, as well as an increasing percentage of the workforce that is over age fifty-five. Effectively managing diversity has been identified as one of five distinguishing features of organizations that make it onto Fortune magazine's list of 100 Best Companies. Diversity issues have several implications for HRD professionals. First, organizations need to address racial, ethnic and other prejudices that may persist, as well as cultural insensitivity and language differences. Second, with the increasing numbers of women in the workforce, organizations should continue to provide developmental opportunities that will prepare women for advancement into the senior ranks and provide safeguards against sexual harassment. Third, the ageing of the workforce highlights the importance of creating HRD programs that recognize and address the learning-related needs of both younger and older workers. Diversity can be a catalyst for improved organizational performance - though this is far from a sure thing!

Making it to the Fortune magazine's list of 100 best companies is one of the rewards related to:
1. Popularizing learning-related needs
2. Corporate Social Responsibility
3. Effectively managing diversity
4. Respectful treatment of employees.

**50. Read the following passage and then answer the question:**

The workforce has become increasingly more diverse and this trend toward diversity will continue. This includes increasing diversity along racial, ethnic and gender lines, as well as an increasing percentage of the workforce that is over age fifty-five. Effectively managing diversity has been identified as one of five distinguishing features of organizations that make it onto Fortune magazine's list of 100 Best Companies. Diversity issues have several implications for HRD professionals. First, organizations need to address racial, ethnic and other prejudices that may persist, as well as cultural insensitivity and language differences. Second, with the increasing numbers of women in the workforce, organizations should continue to provide developmental opportunities that will prepare women for advancement into the senior ranks and provide safeguards against sexual harassment. Third, the ageing of the workforce highlights the importance of creating HRD programs that recognize and address the learning-related needs of both younger and older workers. Diversity can be a catalyst for improved organizational performance - though this is far from a sure thing!

Organizations should provide developmental opportunities for women so as to -
1. Assist them to move up the hierarchical ladder
2. Help them to get recruited
3. Assist in childcare
4. Help them to gain visibility