

## UGC-NET PAPER-1 (General Paper) SHIFT-2 21-Aug-2024

Comprehension: –

The following table shows the total exports (in Rs. crore) of six countries A-F over the five years from 2019 to 2023 Based on the data in the table, answer the questions that follow.

Country-Wise Details of Exports.

Country	Exports (in Rs. crore) in the year				
	2019	2020	2021	2022	2023
A	40	80	120	90	180
B	60	50	30	100	200
C	100	110	140	180	130
D	90	120	40	30	50
E	120	100	110	200	220
F	48	80	120	150	240

NOTE: – INCOME= EXPORTS- IMPORTS

Que. 1: What was the income of all the six countries together in the year 2023 if the total imports of all these countries together was Rs. 770 cores in the same year.

- A. Rs. 250 crores
- B. Rs. 320 crores
- C. Rs. 560 crores
- D. Rs. 480 crores

Que. 2: What is the approximate percentage increase in the export of all the countries together in the year 2022 in comparison to the year 2020?

- A. 40.67%
- B. 72.39%
- C. 38.89%
- D. 62.99%

Que. 3: Over all the given years, the average export of country E is \_\_\_\_\_ % more than the average export of country C.

- A.  $13 \frac{7}{11}$
- B.  $9 \frac{1}{11}$
- C.  $13 \frac{5}{7}$
- D.  $12 \frac{1}{7}$

Que. 4: In the year 2019, if the ratio of exports to imports for country D and country F are 1:2 and 4:1, respectively, then what is the total important of countries F and D together in the same year?

- A. Rs. 104 crores
- B. Rs. 184 crores
- C. Rs. 192 crores
- D. Rs. 130 crores

Que. 5: If the export of country A in the year 2024 is 20% more than the combined export of country B in 2022 and the export of country E in 2021 together, then what is the income of country A (in Rs. crores) in the year 2024, if its import is Rs. 184 crores for that year?

- A. 106
- B. 44
- C. 92
- D. 68

Que. 6: Burning of solid waste, such as cans, batteries, plastic etC)generate.

- A) Microplastics
- B) Chlorofluorocarbons (CFCs)
- C) Dioxins
- D) Polychlorinated biphenyls (PCBs)
- E) Halons

Choose the correct answer from the options given below.

- A. A, B, C and D Only

B. A, C and D Only

C. B, D and E Only

D. B, C and E Only

Que. 7: By selling 35 eggs for Rs. 30, a man loses 25%. How many eggs should he sell for Rs 144 to gain 20%?

A. 85

B. 95

C. 105

D. 115

Que. 8: Identify the fallacy committed in the following statement. Water in nonpoisonous compound) Therefore, its components oxygen and hydrogen are nonpoisonous.

A. Fallacy of Division

B. Equivocation

C. Slippery Slope

D. Hasty Generalization

Que. 9: Which of the following are considered hot media?

A) Telephone

B) Television

C) Radio

D) Cinema

E) Photographs

Choose the correct answer from the options given below.

A. A, B, C Only

B. B, C, D Only

C. C, D, E Only

D. A, D, E Only

Que. 10: Which of the following is an example of negative feedback in the context of climate change?

- A. Oceans remove carbon dioxide from the air
- B. Warming increases water vapour in air
- C. Snow cover loss and iceshelf melt reduce sun's reflection
- D. Global temperature increases due to global warming

Que. 11: Match the List-I with List-II

LIST I

LIST II

Five-year plan

Agency set up

- |                          |      |   |
|--------------------------|------|---|
| A. First five-year plan  | I.   | Autonomous Colleges                         |
| B. Second five-year plan | II.  | University Grants Commission                |
| C. Third five-year plan  | III. | Specialized departments of scientific study |
| D. Fifth five-year plan  | IV.  | Two rural institutes in Wardha and Mysore   |

Choose the correct answer from the options given below.

- A. A-I, B-II, C-III, D-IV
- B. A-II, B-III, C-IV, D-I
- C. A-III, B-IV, C-I, D-II
- D. A-IV, B-I, C-II, D-III

Que. 12: Which of the following two statements cannot both be true but can both be false?

- A) All Monkeys are apes
- B) Some monkeys are apes
- C) Some monkeys are not apes
- D) No monkeys are apes

Choose the correct answer from the options given below.

- A. A and D Only
- B. A and C Only

C. B and C Only

D. B and D Only

Que. 13: Which of the following arguments is fallacious because the major term is all pervasive and the middle term is all-inclusive?

A. The sky-lotus is fragrant because it is a lotus

B. Socrates is immortal because he died long ago

C. Sound is eternal because it is audible

D. Everything is nameable because it is knowable

Que. 14: Which of the following statements are logically equivalent.

A) No monkeys are felines

B) Some monkeys are felines

C) Some felines are monkeys

D) Some monkeys are not feline

Choose the correct answer from the options given below.

A. A and D only

B. B and C only

C. B and D only

D. B, C and D only

Que. 15: Which higher – order knowledge can make the difference between how well and quickly one's students learn material?

A. Declarative

B. Rote

C. Metacognition

D. Procedural

Que. 16: 60 persons consume 300 kg of wheat in 40 days. In how many days will 25 persons consume 100 kg of wheat?

A. 28 days

- B. 30 days
- C. 32 days
- D. 35 days

Que. 17: In a certain coding language, the word 'SLIGHT' is coded as 'UJKEJR' , then the word 'GROUND' will be coded as.

- A. ITQWPF
- B. ISPVOH
- C. IQRTOB
- D. IPQSPB

Que. 18: A British official of the East India company who was interested in higher learning in India was.

- A. Francis Gladwin
- B. William Ward
- C. William Adam
- D. William Jones

Que. 19: Which of the following are the interactive whiteboard softwares that allow teachers to create digital lessons, annotate documents and collaborate with students in real time?

- A) Jam board
- B) Camtasia
- C) Stormboard
- D) Concept board
- E) Plotagon

Choose the most appropriate answer from the options given below.

- A. B and C Only
- B. A, C and D Only
- C. C, D and E Only
- D. A, B and E Only

Que. 20: Which of the following electronic technologies is the key technology for making the third generation electronic computer?

- A. Transistor based
- B. Integrated Current (IC) based
- C. Vacuum tube based
- D. Microprocessor based

Que. 21: The National Education Policy, 2020 supported the idea of.

- A. Science only education
- B. Fragmented research
- C. Rigorous specialization
- D. Segregating humanities and science

Que. 22: In which type of assessment do students measure their own progress against their previous performance rather than against external criteria or peers?

- A. Peer Assessment
- B. Ipsative Assessment
- C. Formative Assessment
- D. Summative Assessment

Que. 23: The approach in which researchers use the existing data to create groups for comparison is called.

- A. Operational
- B. Ex post facto
- C. Experimental
- D. Quasi-experimental

Que. 24: The components of quality education identified in the national education policy of 2020 are.

- A) Political affiliation

- B) Curriculum
- C) Pedagogy
- D) Continuous assessment
- E) Higher Fee

Choose the correct answer from the options given below.

- A. A, B only
- B. B, C, D only
- C. C, D, E only
- D. A, C, E only

Que. 25: Reena wanted to eat an ice-cream. She took out a phone number online) She repeated the number over and over again while dialing. After order was delivered, she forgot the number. This is an example of the use of which memory process?

- A. Short-term memory
- B. Automatic Processing
- C. Echoic Memory
- D. Iconic Memory

Que. 26: Three successive discounts of 10% , 20% and 30% on the marked price of an item are equivalent to a single discount of.

- A. 60%
- B. 50.4%
- C. 546%
- D. 49.6%

Que. 27: Identify the sequence of words A-E that correctly fills the blanks in the following paragraph.

In the context of human-computer interaction, a \_\_\_\_\_ is an interface built around visual things and windows-11 is an example of an \_\_\_\_\_ with these visual things, \_\_\_\_\_ is region of the screen used to display information \_\_\_\_\_ is a small picture that is used to represent folders, software etc., whereas \_\_\_\_\_ is a list of options that the user can select from.



**A) OS      B) Menu      C) Window   D) Icon      E) GUI**

Choose the correct answer from the options given below.

A. E, A, C, B, D

B. A, E, D, C, B

C. E, A, C, D, B

D. B, C, A, E, D

Que. 28: Which of the following represents the epistemological orientation of quantitative research?

A. Interpretivism

B. Constructionism

C. Positivism

D. Inductivism

Que. 29: Identify the nominal variables.

**A) Gender    B) Annoyance level   C) Caste   D) Temperature in Kelvin   E) Economic Status**

Choose the correct answer from the options given below.

A. A, B, C and D only

B. A and C only

C. B and E only

D. A, B, C and E only

Que. 30: With references to the open-source software, which of the following statements are correct?

A) It is a software that is distributed with its source code

B) It allows anyone to modify the software to best fit their needs

C) It is a software that anyone can use on a trial basis before paying for it

D) Linux is a example of open source software

Choose the correct answer from the options given below.

A. A, B and D only

B. A, B, C and D only

C. A, C and D only

D. B and C only

Que. 31: The contents of Swayam Prabha channel- 4 with the theme of Education and Home Science are provided by.

A. CEC, New Delhi

B. IIT, Madras

C. IGNOU, New Delhi

D. IIT Delhi

Que. 32: Match the List-I with List-II

LIST I

LIST II

(Malware Types)

(Characteristics)

A. Trapdoor

I. Produces varying but operationally equivalent copies of itself.

B. Time Bomb

II. Code that allows unauthorized quick access at a later time.

C. Polymorphic Virus

III. Instruction interpreted rather than executed.

D. Macro Virus

IV. Triggers action when specified time occurs.

Choose the correct answer from the options given below.

A. A-III, B-IV, C-I, D-II

B. A-II, B-IV, C-I, D-III

C. A-I, B-II, C-III, D-IV

D. A-II, B-I, C-IV, D-III

Que. 33: Match the List-I with List-II

LIST I

LIST II

Concept

Related Medium

A. Attention economy

I. Public Speech

B. Narrow casting

II. Television

- C. Synchronous audience      III. Internet  
D. Peculiar form of presentness      IV. FM Radio

Choose the correct answer from the options given below.

- A. A-I, B-II, C-III, D-IV  
B. A-II, B-III, C-IV, D-I  
C. A-III, B-IV, C-I, D-II  
D. A-IV, B-I, C-II, D-III

Que. 34: Find the next term in the number series 2A11, 4D13, 12G17, 48J23\_\_\_\_\_.

- A. 245N32  
B. 228L30  
C. 240M31  
D. 230M29

Que. 35: Which of the following norms are prescribed for foreign universities to set up their campuses in India.

- A) Foreign universities must invest in the Indian manufacturing industry.  
B) They should have secured a position within the top 500 in global ranking.  
C) They should have secured a position within the top 500 in global ranking in the subject-wise category.  
D) They should employ only Indians for teaching and non-teaching  
E) They should possess outstanding expertise in a specific area.

Choose the correct answer from the options given below.

- A. A, B only  
B. B, C, D only  
C. C, D, E only  
D. B, C, E only

Que. 36: Which of the following social sciences have contributed much to the knowledge of mass communication?

- A) Anthropology  
B) Sociology

- C) Psychology
- D) Social medicine
- E) Defence studies

Choose the correct answer from the options given below.

- A. A, D, E only
- B. C, D, E only
- C. B, C, D only
- D. A, B, C only

Que. 37: Arrange the probabilities corresponding to the standard normal variate  $z$  lying in the following intervals, in increasing order.

- A)  $-\infty < z < +1$       B)  $0 < z < +3$       C)  $-1 < z < +1$       D)  $z > +1$

Choose the correct answer from the options given below.

- A. D, B, C, A
- B. C, B, D, A
- C. A, C, B, D
- D. B, D, A, C

Que. 38: If the statement “No monkeys are feline” is given as true then which of the following statements.

- A. Some monkeys are felines
- B. Some felines are monkeys
- C. All felines are monkeys
- D. Some monkeys are not feline

Que. 39: Which of the following would create the most stable computer network with the fastest data transmission?

- A. Use a wireless access point to a connect devices
- B. Connect devices wirelessly using mobile phone
- C. Use coaxial cables to connect devices in sequence
- D. Connect devices to a switch using optic fibre cables

Que. 40: Match the List-I with List-II

LIST I		LIST II	
	Nature of substances		Effect
A.	Allergens	I.	Substances that cause cancer
B.	Carcinogens	II.	Substances that can hamper embryonic growth
C.	Mutagens	III.	Substances that activate the immune system
D.	Teratogens	IV.	Substances that can damage or alter genetic material

Choose the correct answer from the options given below.

- A. A-IV, B-I, C-II, D-III
- B. A-IV, B-II, C-I, D-III
- C. A-III, B-I, C-II, D-IV
- D. A-III, B-I, C-IV, D-II

Que. 41: Which of the following Green House Gases (GHGs) was considered during the second compliance period of Kyoto protocol at Doha?

- A. Sulphur Hexafluoride (SF<sub>6</sub>)
- B. Hydrofluoro Carbons (HFCs)
- C. Nitrogen Trifluoride (NF<sub>3</sub>)
- D. Perfluorocarbons (PFCs)

Que. 42: The idea that mass media do not have much power to directly influence the audience led to the concept of.

- A. Limited effects
- B. Mass effects
- C. Individual effects
- D. Regulated effects

Que. 43: A measure of the consistency of observations of a single situation made by different people refers to.

- A. Construct validity
- B. Internal validity
- C. Split-Half reliability
- D. Interrator reliability

Que. 44: In communication, a text is a product of.

- A. Non-responsiveness
- B. Military exercises
- C. Social interaction
- D. Neurological research

Que. 45: Match the List-I with List-II

LIST I

LIST II

(Particulate Matter Terms)

(Explanation)

- |                   |      |   |
|-------------------|------|---|
| A. Aerosol        | I.   | Particles formed by incomplete combination with mixture of carbon olatiles. |
| B. Nano particles | II.  | Particles with size les then 2.5 micro meter                                |
| C. Smoke          | III. | Particles with size less than 0.2 micrometer                                |
| D. Fine particles | IV.  | Any solid or liquid particle suspended in air                               |

Choose the correct answer from the options given below.

- A. A-IV, B-III, C-II, D-I
- B. A-IV, B-III, C-I, D-II
- C. A-I, B-II, C-IV, D-III
- D. A-I, B-II, C-III, D-IV

Comprehension: –

A careful study of the Rig-Veda shows that even in the early times, karma and jnana were recognized as two separate factors in the spiritual progress of man. Karma is connected with the world immediately above the one in which we live, and jnana is connected with the world further above that. Agni and Indra as connected with sacrifices, and the gods of the highest world are connected with prayer, and Jnana. Since the Vedic Samhitas are intimately connected with sacrifices, it is but natural that the gods connected with sacrifices, the gods of the two lower

regions, should be more prominent in the Rig-Veda. It is only through Jnana that the soul can get into a state of everlasting bliss. This jnana is esoteric knowledge AT the time of the Rig-Veda, the rises had evolved a highly complicated system of philosophy and that the value of jnana as a means to final release from the world of physical bondage had been well established. The Yajur-Veda and the Samaveda are of little importance to a student of ancient Indian culture. One notes the same optimistic tone in the Yajur-Veda, regarding man's life in this world and his future in the other world Material plenty is also quite noticeable Gold and ornaments are spoken of freely as covetable objects. Cows are mentioned in thousands. So far as culture is concerned, so far as religion and philosophy go, there is no difference between the Rig-Veda and the other two Vedas. <https://www.pyqonline.com>

Que. 46: What is the original source of cultural life of the Hindus?

- A. Itihaash
- B. Puranas
- C. Manu
- D. Sacred Vedas

Que. 47: At the time of Rig Veda, the rises valued Jnana as me

- A. To find signs of a gloomier side in man's life.
- B. To sacrifice and dissociate
- C. To find release from the world of physical bondage
- D. To rule and regulate

Que. 48: The optimistic tone regarding man's life in this world and his/her future in the other world exists in.

- A. The Yajur-Veda
- B. The Sama-Veda
- C. The Atharva Veda
- D. Rig-Veda

Que. 49: In Rig-Veda, Agni is connected with.

- A. The world immediately above the one in which we live in
- B. Sacrifices
- C. Souls with everlasting bliss

D. The gods of Wisdom

Que. 50: According to Rig-Veda, Jnana refers to.

A. Primitive culture

B. Predominance of sacrifice

C. Everlasting bliss

D. The gods of the highest world that are connected with sacrifices