

Solved Paper

UGC-NET/JRF EXAMINATION (DECEMBER 2024)

(Held on 7-1-2025)

General Paper

Comprehension—(Q. 1–5) The following table shows the percentage of marks obtained by 6 students in 4 different subjects in an examination. Study the table and answer the questions that follow :

Students	Subject (Max. Marks)			
	Physics (100)	Chemistry (100)	Maths (100)	English (100)
Radhika	90	85	95	98
Karan	92	90	90	93
Neeraj	86	82	75	77
Priyanka	63	48	55	75
Sujata	77	62	80	85
Preeti	50	52	40	59

1. What is the overall percentage of Karan ?
(A) 92.25% (B) 90.75%
(C) 91.5% (D) 91.25%

2. What are the average marks obtained by the students with four highest scores in Physics ?
(A) 86.5 (B) 88.5
(C) 78 (D) 86.25

3. According to the marks obtained, what is the percentage of Neeraj in best three subjects ?
(A) 80% (B) 81.66%
(C) 81.33% (D) 80.66%

4. Which of the following received highest aggregate marks in all the four subjects ?
(A) Radhika (B) Karan
(C) Neeraj (D) Sujata

5. Which of the following pair of students has the smallest ratio between Physics marks scored by them ?
(A) Radhika : Karan
(B) Neeraj : Karan
(C) Sujata : Neeraj
(D) Priyanka : Sujata

6. Identify the fallacy in the following argument :
“Alan is tall, dark and handsome and has blue eyes. Bill is also tall, dark and handsome. Therefore, Bill probably has blue eyes too.”
7. In the context of communication the acronym ‘SITE’ is :
(A) Satellite Instructional Television Education
(B) Science Instructional Television Education
(C) Science Instructional Television Experiment
(D) Satellite Instructional Television Experiment

8. Suppose a man swims 12 km upstream and 20 km downstream in a river in 4 hours. If he swims 18 km upstream and 10 km downstream also in 4 hours, then the speed at which he swims in the still water is :
(A) 4 km/hr (B) 6 km/hr
(C) 8 km/hr (D) 10 km/hr

9. When was the National e-Governance plan (NeGP) started in India ?
(A) 2008 (B) 1991
(C) 2006 (D) 2014

10. Match the List-I with List-II—
List-I
(Type of Sampling)
(a) Stratified Sampling
(b) Probability Sampling
(c) Systematic Sampling
(d) Non-probability Sampling

List-II
(Meaning)

1. Select every *i*th item on a list.

2. Population is divided into several sub-populations that are individually more homogeneous.

3. Every item of the universe has an equal chance of inclusion in the sample.

4. Procedure which does not afford any basis for estimating the probability that each item in the population has chance of being included in the sample.
- Choose the correct answer from the options given below :
(a) (b) (c) (d)
(A) 1 3 2 4
(B) 1 2 3 4
(C) 2 3 1 4
(D) 3 2 1 4
11. Acronym ‘HTTPS’ stands for :
(A) Hyper Text Transfer Protocol Secure
(B) Hyper Terminal Telephonic Pairty Self
(C) Hyper Terminal Telephonic Pairty Secure
(D) Hyper Terminal Telephonic Pairty Service

12. According to Jaina Philosophy, which among the following is not a form of indirect knowledge :
(A) Smṛti
(B) Pratyabhijñā
(C) Tarka
(D) Naya

13. Identify the most favourable conditions for the dispersion and dilution of air pollutants in the atmosphere :
(A) Cold winter nights
(B) Sunny winter evenings

- (C) Hot sunny summer afternoons
(D) Early mornings during summer
14. Arrange the following major industrial disasters in correct chronological order :
(a) Bhopal Gas Tragedy
(b) Seveso Disaster
(c) Deepwater Horizon oil spill
(d) Soma Mine Disaster
Choose the correct answer from the options given below :
(A) (a), (b), (c), (d)
(B) (b), (a), (c), (d)
(C) (c), (d), (a), (b)
(D) (d), (a) (b), (c)
15. Which of the following sequence in the development of interest in a subject by a learner is appropriate ?
(a) Well developed individual interest
(b) Situational interest triggered
(c) Emerging individual interest
(d) Situational interest maintained
Choose the correct answer from the options given below :
(A) (a), (d), (b), (c)
(B) (c), (d), (b), (a)
(C) (c), (b), (a), (d)
(D) (b), (d), (c), (a)
16. Consider the following argument and pick the correct answer :
"All four legged creatures have wings
All spiders have exactly four legs
Therefore, all spiders have wings."
(A) Valid argument; true premises, true conclusion
(B) Valid argument; false premises, false conclusion
(C) Invalid argument; true premises; true conclusion
(D) Invalid argument; true premises; false conclusion
17. In the context of computer networking, the acronym 'MVNO' stands for :
(A) Mobile Virtual Network Operator
(B) Multimedia Virtual Network Operation
(C) Multimedia Voice Noise Operation
(D) Multimedia Voice Noise Operator
18. Match the List-I with List-II :
List-I
(Platform/Term)
(a) SWAYAM
(b) Moodle
(c) Open access
(d) h-index
List-II
(Description)
1. L.M.S.
2. O.E.R.
3. Scopus
4. MOOCS
Choose the correct answer from the options given below :
(a) (b) (c) (d)
(A) 4 1 2 3
(B) 2 3 1 4
(C) 4 2 3 1
(D) 2 1 3 4
19. Arrange the four theories of the press in the correct order of theories :
(a) Soviet Theory
(b) Authoritarian Theory
(c) Libertarian Theory
(d) Social responsibility Theory
Choose the correct answer from the options given below :
(A) (c), (b), (a), (d)
(B) (b), (c), (d), (a)
(C) (b), (a), (c), (d)
(D) (b), (c), (a), (d)
20. The average of the ages of three persons A, B and C is 45 years and the average age of A, C and D is 51 years. If the age of D is 56 years, what is the age of B ?
(A) 35 years (B) 38 years
(C) 36 years (D) 36.5 years
21. If taken seriously the most important benefit of correctly carried out evaluation can ensure :
(a) Decision about progression of students
(b) Improved teaching
(c) Improved learning
(d) Categorising students on the basis of their achievements
22. WiMAX stands for :
(A) World Wide interoperability for Microwave Access
(B) Web interoperability for Microwave Access
(C) World Wide interoperation for Microwave Access
(D) World Wide interoperability for Multimedia Access
23. Identify the benefits of biodiversity :
(a) Contribution to human food supplies
(b) Providing important medicines
(c) Supporting ecosystem stability
(d) Aesthetic and cultural value
Choose the correct answer from the options given below :
(A) (a), (b) and (c) only
(B) (b), (c) and (d) only
(C) (a), (b) and (d) only
(D) (a), (b), (c) and (d)
24. When students encounter difficulties in class, the teacher should not :
(A) Give frequent opportunities to them to respond in class room
(B) Reduce the task, without over-simplifying it
(C) Emphasize on the future and problems of failure
(D) Teach some useful learning strategies
25. Informal experimental designs are :
(a) Factorial designs
(b) Before-and-after without control design
(c) After-only with control design
(d) Randomized block design
(e) Before-and-after with control design
Choose the correct answer from the options given below :
(A) (a), (c), (d) only
(B) (b), (c) only
(C) (d), (e) only
(D) (b), (c), (e) only

26. Match the List-I with List-II :

List-I

(Computer Security Term)

- (a) Eavesdropping
- (b) Snooping
- (c) Grey hat hacker
- (d) Trojan

List-II

(Description)

- 1. Looks like a legitimate software
- 2. Just hacks the system for the fun of it
- 3. Process of secret capture
- 4. An unauthorised real time interception

Choose the correct answer from the options given below :

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 4 | 3 | 2 | 1 |
| (B) | 1 | 2 | 3 | 4 |
| (C) | 2 | 3 | 4 | 1 |
| (D) | 4 | 2 | 1 | 3 |

27. Ethical and moral values that students should acquire through education involve:

- (a) Patriotism
- (b) Sacrifice
- (c) Intellectual vigour
- (d) Equality
- (e) Fraternity

Choose the correct answer from the options given below :

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

28. Which of the following is not a basic postulate with regard to scientific method ?

- (A) Its methodology is made known to all concerned for critical scrutiny
- (B) It utilizes relevant concepts
- (C) It is not committed to only objective considerations
- (D) It aims at formulating most general axioms or what can be termed as scientific theories

29. Lecture method shall be selected for a class, if :

- (a) Teacher is a good orator
- (b) All students are above average
- (c) Curricular objectives demand so
- (d) Students request the teacher to do so

Choose the correct answer from the options given below :

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

30. Deliberate Sampling is also known as :

- (A) Snow ball Sampling
- (B) Purposive or Probability Sampling
- (C) Quota Sampling
- (D) Purposive or Non-Probability Sampling

31. Thumbs up' is a kind of communication.

- (A) Verbal
- (B) Non-Verbal
- (C) Transpersonal
- (D) Intrapersonal

32. A Fourth proportional to st^5 , s^2t^3 , s^3t^2 (Where s , t are non zero) i :

- (A) s
- (B) s^2
- (C) s^3
- (D) s^4

33. Who among the following holds that Indriya is not a Physiological organ but a peculiar capacity of the organ ?

- (A) Buddhists
- (B) Mimāṃsākas
- (C) Naiyāyikas
- (D) Vedāntins

34. Environmental education does not consist of :

- (A) Climate change
- (B) Economic disparity in society
- (C) Consumption of resources
- (D) Environmental degradation

35. Which of the following are correct ?

- (a) UGC frames regulations and sets minimum standards of education
- (b) NAAC ensures quality and accreditation
- (c) HEFA provides grant-in-Aid to higher education institutions
- (d) NIRF ranks Indian institutions

Choose the correct answer from the options given below :

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

36. Which of the following are correct claims in the light of stipulative definitions ?

- (a) A stipulative definition is always either true or false
- (b) A stipulative definition is a proposal or a request or a resolution to use the definiendum to mean what is meant by definiens
- (c) A stipulative definition is informative and not directive
- (d) Naming the number 10^{100} as 'googol' is a stipulation

Choose the correct answer from the options given below :

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

37. Which of the following cities is often referred to as a model sustainable city in modern texts ?

- (A) Mexico city
- (B) Mumbai
- (C) Curitiba
- (D) Shanghai

38. The tenth term in the following sequence : 1, 5, 14, 30, 55

- (A) 155
- (B) 175
- (C) 285
- (D) 385

39. Match the List-I with List-II :

List-I

(Classroom Communication Technologies)

- (a) Interactive White Board
- (b) Video conferencing
- (c) Learning Management System
- (d) Projector

List-II

(Meaning)

- 1. Remote communication with students
- 2. Visual and interactive tool for teaching
- 3. Display visual content in the class
- 4. organising and delivering course content like video lectures and text

Choose the correct answer from the options given below :

- | | (a) | (b) | (c) | (d) |
|-----|-----|-----|-----|-----|
| (A) | 1 | 2 | 4 | 3 |
| (B) | 2 | 1 | 3 | 4 |
| (C) | 2 | 4 | 1 | 3 |
| (D) | 2 | 1 | 4 | 3 |

40. Which of the following are not referencing styles ?
 (a) Harvard referencing style
 (b) Oxford referencing style
 (c) Cambridge referencing style
 (d) New York referencing style
 (e) Vancouver referencing style

Choose the correct answer from the options given below :

- (A) (c) and (d) only
 (B) (c), (d) and (e) only
 (C) (d) and (e) only
 (D) (b) and (c) only
41. How can Psychological barrier affect classroom communication ?
 (A) They facilitate mutual understanding
 (B) They create bias in the interpretation of the meaning of the message
 (C) They make messages clearer
 (D) They eliminate misunderstanding
42. The Paris Agreement envisages pursuing efforts to limit global warming this century to how many degree Celsius above the pre-industrial levels of global average temperature ?
 (A) 0.5°C (B) 1°C
 (C) 1.5°C (D) 2.5°C
43. What is the next letter in the following sequence ?
 B, D, G, K, P, V, C
 (A) K (B) L
 (C) M (D) N
44. Match the List-I with List-II :

List-I

(Institutions)

- (a) Nalanda
 (b) Takshashila
 (c) Vikramashila
 (d) Nagarjuna Vidyapith

List-II

(Associate Feature)

1. Chanakya
 2. Admission with entrance examination
 3. Well furnished library
 4. Only for Buddhist monks
 Choose the correct answer from the options given below :

- (a) (b) (c) (d)
 (A) 1 2 3 4
 (B) 1 2 4 3
 (C) 2 1 3 4
 (D) 2 1 4 3

45. Skills to face job interviews and getting employed are part of :
 (A) Livelihood skill
 (B) Life skill
 (C) Soft skill
 (D) Learning skill

Comprehension

Directions—(Q. 46–50) Read the passage and answer the questions that follow :

Handicraft is about processing materials by hand with hand tools. The results can be helpful things or decorative things. The materials utilized in the product are natural, industrially processed or may be recycled. The models of the product are ancient, revised traditional and fashionable. Handicraft is deeply frozen in society and contributes to the idea of preserving and perpetuating traditions. In their product, Crafters transfer an area of their cultural heritage in ideas, forms, materials and work ways, similarly as their own values, philosophy of life, fashion and self-image. Crafts people also known as artisans possess technical data of materials and work ways. They are skilled employees whose profession relies on manual skills. Handicrafts contain plenty of implicit data which grows every year, aboard with skills. The order and apprentice system has been widely used to transfer skills and implicit data.

46. The word 'apprentice' implies :
 (A) Carpenter (B) Plumber
 (C) Trainee (D) Artist
47. Identify the central theme of the passage :
 (A) Inventions of India
 (B) Creations and designs of India
 (C) Architecture of India
 (D) Handicrafts of India

48. Pick the statements which is not true :
 (A) Craftsmen transfer their values and philosophy of life
 (B) There is a no implicit data in the craftsmanship
 (C) The materials utilized for the crafts are generally recycled
 (D) The models prepared by craftsmen are very fashionable

49. The importance behind the idea of crafts is :
 (A) Gainful employment
 (B) To make new products
 (C) to preserve the tradition
 (D) to spend quality time
50. The materials used in the products are :
 (A) Natural only
 (B) Industrially processed and natural only
 (C) Recyclable and natural only
 (D) Natural, Recyclable and Industrially processed

Answers with Hints

1. (D) The overall percentage of Karan

$$= \frac{92 + 90 + 90 + 93}{400} \times 100$$

$$= \frac{365}{4}$$

$$= 91.25\%$$

2. (D) The students with highest score in physics :

$$\text{Karan} = 92$$

$$\text{Radhika} = 90$$

$$\text{Neeraj} = 86$$

$$\text{Sujata} = 77$$

∴ Average marks

$$= \frac{90 + 92 + 86 + 77}{4}$$

$$= \frac{345}{4}$$

$$= 86.25$$

3. (B) The percentage of Neeraj in best three subjects

$$= \frac{86 + 82 + 77}{300} \times 100$$

$$= \frac{245}{3}$$

$$= 81.66\%$$

4. (A) The aggregate marks of Radhika

$$= 90 + 85 + 95 + 98 = 368$$

$$\text{The aggregate marks of Karan}$$

$$= 92 + 90 + 90 + 93 = 365$$

$$\text{The aggregate marks of Neeraj}$$

$$= 86 + 82 + 75 + 77 = 320$$

$$\text{The aggregate marks of Sujata}$$

$$= 77 + 62 + 80 + 85 = 304$$

∴ Radhika has received highest aggregate marks.

5. (D) The ratio of Radhika : Karan in Physics

$$= 90 : 92 = 45 : 46 = \frac{45}{46} = 0.98$$

The ratio of Neeraj : Karan in Physics

$$= 86 : 92 = 43 : 46 = \frac{43}{46} = 0.93$$

The ratio of Sujata : Neeraj in Physics

$$= 77 : 86 = 77 : 86 = \frac{77}{86} = 0.89$$

The ratio of Priyanka : Sujata in Physics

$$= 63 : 77 = 63 : 77 = \frac{63}{77} = 0.81$$

∴ The ratio of Priyanka : Sujata is the smallest.

6. (B) Alan is tall dark and handsome and has blue eyes.

It is true that,

Bill is also tall, dark and handsome.

But argument does not support that

Bill probably has blue eyes.

∴ It is a weak analogy.

7. (D) The acronym SITE is :
Satellite Instructional Television Experiment.

The satellite used was NASA's ATS-6. This project aimed to study the potential of satellite broadcasting for education in rural India.

8. (C) Let the speed of the man be x km/h

and the speed of water current be y km/h,

$$\text{then, } \frac{12}{x-y} + \frac{20}{x+y} = 4 \quad \dots(i)$$

$$\text{and } \frac{18}{x-y} + \frac{10}{x+y} = 4 \quad \dots(ii)$$

First (ii) $\times 2$, then (i) – (ii) applying,

$$\frac{12}{x-y} - \frac{36}{x-y} = -4$$

$$\Rightarrow \frac{24}{x-y} = 4$$

$$\Rightarrow x - y = 6 \quad \dots(iii)$$

Putting the value of $x - y = 6$ in equation (i)

$$2 + \frac{20}{x+y} = 4$$

$$\Rightarrow \frac{20}{x+y} = 2$$

$$\Rightarrow x + y = 10 \quad \dots(iv)$$

then from eqn. (i) and (ii)

$$2x = 16 \Rightarrow x = 8 \text{ km/h}$$

∴ The speed at which man swims in the still water is 8 km/h.

9. (C) The Union Government approved the National e-Governance Plan (NeGP), comprising of 31 mission mode projects and 8 components on May 18, 2006.

10. (C) **Stratified Sampling**—is method of sampling from a population which can be partitioned in sub populations.

Probability Sampling—is a method of selecting a sample from a population using random selection. It's also known as random sampling.

Systematic Sampling—The sample intervals can also be systematic such as choosing a new sample to draw from every 12 hours.

Non-Probability Sampling—is a research method that selects participants based on non-random criteria.

11. (A) Hyper Text Transfer Protocol Secure (HTTPS) is an encrypted version of HTTP that protects user data from being intercepted and stolen.

12. (D) According to Jain philosophy, Naya is not a form of indirect knowledge. Naya refers to a partial perspective or view point form which reality can be understood.

13. (C) Hot sunny summer afternoons have strong, turbulent winds, which effectively mix and spread pollutants over a large area, alongside unstable atmospheric conditions that promote vertical mixing and prevent pollutant accumulation in a single layer.

14. (B) The correct chronological order is :

Seveso Disaster—in Italy 1976

Bhopal Gas Tragedy

—December 2-3, 1984

Deepwater Horizon oil spill in the gulf of Mexico

—April 20, 2010

Soma Mine Disaster—in Turkey May 13, 2014

15. (D) The sequence is :

(i) Situational interest triggered.
(ii) Situational interest maintained.

(iii) Emerging individual interest.

(iv) Well developed individual interest.

16. (B) Valid argument, false premises, false conclusion.

17. (A) 'MVNO' stands for Mobile Virtual Network Operator. It is a company that sells mobile services using a network owned by another company. This company have not own wireless infrastructure or spectrum license.

18. (A) SWAYAM—(Study Webs of Active-learning for Young Aspiring Minds) is—
MOOC—Massive Open Online Course.

Moodle—Free open source Learning Management System (L.M.S.) that helps manage deliver and evaluate online learning.

Open access—Open Educational Resource (O.E.R.) are a type of Open Access material (OA).

h-Index—In **scopus** the h-index is matrix that measures the impact and productivity of a researcher's published work.

19. (D) Correct order is :
Authoritarian theory—around 16th and 17th century

Libertarian theory—Mid 19th century

Soviet theory—After the 1917 Russian revolution

Social responsibility theory—Mid 20th century

20. (B) The average ages of A, B, C
= 45 ... (i)

and the average ages of A, C, D
= 51 ... (ii)

∴ The total age of A + C

$$= 51 \times 3 - D$$

$$= 153 - 56$$

$$= 97 \text{ years}$$

then, age of B

$$= (A + B + C) - (A + C)$$

$$= 45 \times 3 - 97$$

$$= 135 - 97$$

$$= 38 \text{ years}$$

21. (D) Improved teaching and Improved learning.

22. (A) WiMAX stands for World-wide Interoperability for Microwave Access. It's a wireless broadband technology that provides internet access over long distances. It is an alternative to cable and DSL.
23. (D) Biodiversity provides many benefits including food security, ecosystem resilience, medicines and health benefits etc.
24. (C) The teacher should not emphasize on the future and problems of failure.
25. (D) Informal experimental designs are :
 (i) Before-and-after without control design.
 (ii) After-only with control design.
 (iii) Before-and-after with control design.
 Hence, informal experimental designs are less sophisticated than formal experimental designs and use less precise analysis methods.
26. (A) Eavesdropping—An unauthorised real time interception.
 Snooping—Process of secret capture.
 Gray hat hacker—Just hakes the system for the fun of it.
 Trojan—Looks like a legitimate software.
27. (D) Ethical and Moral values that student should acquire through education involve : honesty, respect, responsibility, fairness, empathy, compassion, courage, kindness, integrity and the ability to make ethical decisions, all contributing to positive relationships and a responsible citizenry.
 Such that patriotism, sacrifice, equality and fraternity are ethical and moral values.
28. (C) It is not committed to only objective considerations is not a basic postulate with regard to scientific method.
29. (B) Lecture method shall be selected for a class, if curricular objectives demand so.
30. (D) Deliberate sampling is also known as purposive sampling.

Non-probability sampling is also known by different name such as deliberate sampling.

31. (B) 'Thumbs up' is considered a form of non-verbal communication, as it conveys a positive message like approval or agreement without using spoken words.
32. (D) Let the fourth proportional be X.
 then, $st^5 : s^2t^3 :: s^3t^2 : X$
 $\therefore X(st^5) = s^2t^3 \times s^3t^2$
 $\therefore X = \frac{s^2t^3 \times s^3t^2}{st^5}$
 $= s^4$
33. (B) 'Mīmāṃsaka' :
 In the context of Indian philosophy, particularly within Ayurveda and Hindu traditions, 'Indriya' refers not to be physical organ itself, but rather to the unique capacity or function of that organ to perceive sensory information.
34. (B) Environmental education does not consist of 'Economic disparity in society' which refers to the uneven distribution of wealth and income among different groups within population.
35. (C) a, b and d only are correct.
 while, HEFA provides financial assistance for creation of educational infrastructure and R&D in India's premier educational institutions.
36. (D) The correct claims in the light of stipulative are b and d only.
 Because a stipulative definition is a definition that gives a new or existing term a specific meaning for a specific purpose.
37. (C) Curitiba, Brazil is frequently cited as a model sustainable city in modern text due to its innovative urban planning, particularly its highly efficient bus rapid transit system, extensive green spaces and comprehensive waste management programs.
38. (D) The given series is as given below :

$$\begin{array}{cccccccccccc} 1 & 5 & 14 & 30 & 55 & 91 & 140 & 204 & 285 & 385 \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ + (2)^2 & + (3)^2 & + (4)^2 & + (5)^2 & + (6)^2 & + (7)^2 & + (8)^2 & + (9)^2 & + (10)^2 & \end{array}$$

\therefore tenth term is 385.

39. (D) **List-I**
 (a) Interactive White Board
 (b) Video conferencing
 (c) Learning Management System
 (d) Projector

List-II

2. Visual and interactive tool for teaching
1. Remote communication with students
4. Organising and delivering course content live video lectures and text
3. Display visual content in the class
40. (A) Cambridge referencing style and NewYork referencing style are not referencing styles.
41. (B) Psychological barriers affect classroom—communication by creating misunderstandings, means, they create bias in the interpretation of the meaning of the message.
42. (C) According to Paris agreement, the goal is to limit global warming this century to "well below 2 degrees Celsius" above pre-Industrial levels, while also pursuing efforts to limit it to 1.5 degrees Celsius.
43. (A) The given sequence is :

 \therefore The next letter of the sequence is K.
44. (D) Nalanda—Admission with entrance examination
 Takshashila—Chanakya
 Vikramshila—Only for Buddhist monks
 Nagarjuna Vidhyapith—Well furnished library
45. (C) Skills to face job interviews and getting employed are part of soft skill. Because the skills need to face job interviews and get employed include communication, research, preparation and professionalism.
46. (C) 47. (D) 48. (B)
49. (C) To preserve the tradition.
50. (D) The materials used in the products in the context of passage, Natural, Recyclable and Industrially processed.