

# Prepp

## Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UPTET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

# Verbal Ability: Para Jumbles Test – 02

Total Time: 13 Minute

Total Marks: 10

## Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	Chapter Test	10	10	0.25	1

- 1.) A total of 13 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

Your Personal Exams Guide

## Chapter Test

1. Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence to form a meaningful paragraph and then answer the questions given below. (+1, -0.25)
- A) India's public expenditure on education has ranged between 3.26 % and 3.85% from 2004-05 till 2009-10 and this needs to increase if it were to come at par with the expenditure incurred by the developed economies.
- B) With its rapidly expanding middle class, India's private expenditure on education is set to increase manifold.
- C) Only 1 out of approximately 150 applicants gets admission into the elite Indian Institute of Management (IIMs) compared with the ratio of 1:10 for MIT.
- D) While there has been some private investment in setting up educational institutions, there remains a glaring mismatch in demand and supply, particularly in high quality institutions.
- E) Indian society puts a premium on knowledge and its acquisition - spending on education has figured as the single largest outlay for a middle class household after food and groceries.
- F) It is therefore not surprising that an industry chamber has recently reported that 450,000 Indian students spend over USD 13 billion each year in acquiring higher education overseas.

Which of the following should be SECOND sentence after rearrangement?

- a. A
- b. E
- c. B
- d. D
- e. C

2. Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence to form a meaningful paragraph and then answer the questions given below. (+1, -0.25)

A) India's public expenditure on education has ranged between 3.26 % and 3.85% from 2004-05 till 2009-10 and this needs to increase if it were to come at par with the expenditure incurred by the developed economies.

B) With its rapidly expanding middle class, India's private expenditure on education is set to increase manifold.

C) Only 1 out of approximately 150 applicants gets admission into the elite Indian Institute of Management (IIMs) compared with the ratio of 1:10 for MIT.

D) While there has been some private investment in setting up educational institutions, there remains a glaring mismatch in demand and supply, particularly in high quality institutions.

E) Indian society puts a premium on knowledge and its acquisition - spending on education has figured as the single largest outlay for a middle class household after food and groceries.

F) It is therefore not surprising that an industry chamber has recently reported that 450,000 Indian students spend over USD 13 billion each year in acquiring higher education overseas.

Which of the following should be LAST(SIXTH) sentence after rearrangement?

- a. B
- b. A
- c. C
- d. E
- e. F

3. Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence to form a meaningful paragraph and then answer the questions given below. (+1, -0.25)

A) India's public expenditure on education has ranged between 3.26 % and 3.85% from 2004-05 till 2009-10 and this needs to increase if it were to come at par with the expenditure incurred by the developed economies.

B) With its rapidly expanding middle class, India's private expenditure on education is set to increase manifold.

C) Only 1 out of approximately 150 applicants gets admission into the elite Indian Institute of Management (IIMs) compared with the ratio of 1:10 for MIT.

D) While there has been some private investment in setting up educational institutions, there remains a glaring mismatch in demand and supply, particularly in high quality institutions.

E) Indian society puts a premium on knowledge and its acquisition - spending on education has figured as the single largest outlay for a middle class household after food and groceries.

F) It is therefore not surprising that an industry chamber has recently reported that 450,000 Indian students spend over USD 13 billion each year in acquiring higher education overseas.

Which of the following should be FOURTH sentence after rearrangement?

- a. B
- b. D
- c. E
- d. F
- e. C

4. Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence to form a meaningful paragraph and then answer the questions given below. (+1, -0.25)
- A) India's public expenditure on education has ranged between 3.26 % and 3.85% from 2004-05 till 2009-10 and this needs to increase if it were to come at par with the expenditure incurred by the developed economies.
- B) With its rapidly expanding middle class, India's private expenditure on education is set to increase manifold.
- C) Only 1 out of approximately 150 applicants gets admission into the elite Indian Institute of Management (IIMs) compared with the ratio of 1:10 for MIT.
- D) While there has been some private investment in setting up educational institutions, there remains a glaring mismatch in demand and supply, particularly in high quality institutions.
- E) Indian society puts a premium on knowledge and its acquisition - spending on education has figured as the single largest outlay for a middle class household after food and groceries.
- F) It is therefore not surprising that an industry chamber has recently reported that 450,000 Indian students spend over USD 13 billion each year in acquiring higher education overseas.

Which of the following should be THIRD sentence after rearrangement?

- a. F
  - b. A
  - c. D
  - d. E
  - e. C
- 
5. Direction: Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in a proper sequence to form a meaningful paragraph and then (+1, -0.25)

answer the questions given below.

A) India's public expenditure on education has ranged between 3.26 % and 3.85% from 2004-05 till 2009-10 and this needs to increase if it were to come at par with the expenditure incurred by the developed economies.

B) With its rapidly expanding middle class, India's private expenditure on education is set to increase manifold.

C) Only 1 out of approximately 150 applicants gets admission into the elite Indian Institute of Management (IIMs) compared with the ratio of 1:10 for MIT.

D) While there has been some private investment in setting up educational institutions, there remains a glaring mismatch in demand and supply, particularly in high quality institutions.

E) Indian society puts a premium on knowledge and its acquisition - spending on education has figured as the single largest outlay for a middle class household after food and groceries.

F) It is therefore not surprising that an industry chamber has recently reported that 450,000 Indian students spend over USD 13 billion each year in acquiring higher education overseas.

Which of the following should be FIRST sentence after rearrangement?

a. B

b. C

c. A

d. E

e. D

- 
6. The following sentences form a paragraph. The second and fifth sentences of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in (+1, -0.25)

the correct order to make the paragraph meaningful and then answer the questions given below.

P. A team of scientists have observed for the first time the decay of one such nucleus, the xenon-124 nuclei.

2. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei.

Q. The universe is almost 14 billion years old.

R. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.

5. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe.

S. Half-life is the time over which half of the radioactive nuclei present in a sample decay.

T. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy.

Which of the following should be the FIRST sentence in the correct order?

- a. P
- b. Q
- c. R
- d. S
- e. T

7. The following sentences form a paragraph. The second and fifth sentences (+1, -0.25) of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in the correct order to make the paragraph meaningful and then answer the questions given below.

P. A team of scientists have observed for the first time the decay of one such nucleus, the xenon-124 nuclei.

2. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei.

Q. The universe is almost 14 billion years old.

R. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.

5. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe.

S. Half-life is the time over which half of the radioactive nuclei present in a sample decay.

T. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy.

Which of the following should be the THIRD sentence in the correct order?

- a. P
- b. Q
- c. R
- d. S

e. T

8. The following sentences form a paragraph. The second and fifth sentences of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in the correct order to make the paragraph meaningful and then answer the questions given below. (+1, -0.25)

P. A team of scientists have observed for the first time the decay of one such nucleus, the xenon-124 nuclei.

2. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei.

Q. The universe is almost 14 billion years old.

R. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.

5. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe.

S. Half-life is the time over which half of the radioactive nuclei present in a sample decay.

T. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy.

Which of the following should be the FOURTH sentence in the correct order?

a. P

b. Q

c. R

d. S

e. T

9. The following sentences form a paragraph. The second and fifth sentences of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in the correct order to make the paragraph meaningful and then answer the questions given below. (+1, -0.25)

P. A team of scientists have observed for the first time the decay of one such nucleus, the xenon-124 nuclei.

2. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei.

Q. The universe is almost 14 billion years old.

R. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.

5. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe.

S. Half-life is the time over which half of the radioactive nuclei present in a sample decay.

T. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy.

Which of the following should be the SIXTH sentence in the correct order?

- a. P
- b. Q
- c. R
- d. S
- e. T

10. The following sentences form a paragraph. The second and fifth sentences of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in the correct order to make the paragraph meaningful and then answer the questions given below. (+1, -0.25)

P. A team of scientists have observed for the first time the decay of one such nucleus, the xenon-124 nuclei.

2. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei.

Q. The universe is almost 14 billion years old.

R. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.

5. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe.

S. Half-life is the time over which half of the radioactive nuclei present in a sample decay.

T. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy.

Which of the following should be the SEVENTH or last sentence in the correct order?

- a. P
- b. Q
- c. R
- d. S
- e. T

Prepp

Your Personal Exams Guide

## Answers

### 1. Answer: c

#### Explanation:

The correct answer is *B*.

While arranging sentences in a sequence, it is important to understand the central theme first so that the subthemes can be arranged accordingly.

- **The FIRST sentence is E** as it introduces the issue about the Indian education scenario by laying focus on the point "spending on education has figured as the single largest outlay for a middle class household after food and groceries".
- **The SECOND sentence is B** as it perfectly follows Statement 'E', with huge increase in education for middle class, the amount to be spent on education will increase in different ways. (can be made out from the words 'middle class' mentioned in both the statements).
- The **THIRD sentence is A** which follows Statement 'B' and gives further statistics for statement B by describing the need to increase the expenditure on education if it were to come at par with the expenditure incurred by the developed economies.
- **D which is the FOURTH sentence** is a continuation of 'A' and it further highlights the problems of the issue, (the mismatch in demand and supply, particularly in high quality institutions).
- **C is the FIFTH sentence** as it follows Sentence 'D', gives statistics and compares the admission of students in different types of institutes.
- **Statement F comes LAST**, which gives stats on the issue by presenting the reports of the industry chamber regarding a huge expenditure by Indian students for *acquiring higher education abroad* \*, thus, concluding the discussion.
- The correct sequence is EBADCF.
- *The second sentence is B.*

#### ★ Additional Information

- **Rapid:** happening very quickly or moving with great speed
- **Expand:** to become or to make something bigger
- **Manifold:** many; of many different types
- **Expenditure:** the total amount of money that a government or person spends

### ★ Important Points

#### **Use of it's and its:**

(as used in Sentence B)

1. **Its :-** Its is the possessive form of it. *It is similar to 'His' used as possessive form of 'He'.*

- 'The leaves of tree have been lost" can be said as 'The tree has lost its leaves'.
- 'The windows of building are missed', can be said as 'The building is missing its windows'.

2. **It's:-**It's is used for 'It has' or 'It is'.

- 'It has been a long time we gathered here' can be said as 'It's been a long time we gathered here'.
- 'It is lovely today, let's go for outing" can be said as 'It's lovely today, let's go for outing'.

### ★ Confusion Points

- \* Acquiring higher education abroad.
- Acquiring higher education in abroad.

**Explanation:** 'Abroad' is an adverb and 'in' is a preposition. We always use noun/pronoun with a preposition, hence, second sentence is grammatically incorrect.

So, the first one is correct though it may sound a bit illogical!

- An adverb is a word/a set of words that modifies verbs, adjectives, and other adverbs. It tells when, where, and how an action is performed or indicates the quality or degree of the action.
  - Example: Robin is always hungry for success.
  - I love her verymuch.
- A preposition is a word that indicates the relationship between a noun and the other words of a sentence. They explain relationships of sequence, space, and

logic between the object of the sentence and the rest of the sentence. They help us understand order, time connections, and positions.

- Example: I am going to Canada.
- Alex threw a stone into the pond.

## 2. Answer: e

### Explanation:

The correct answer is *F*.

### ★ Key Points

While arranging sentences in a sequence, it is important to understand the central theme first so that the subthemes can be arranged accordingly.

- **The FIRST sentence is E** as it introduces the issue about the Indian education scenario by laying focus on the point "spending on education has figured as the single largest outlay for a middle class household after food and groceries".
- **The SECOND sentence is B** as it perfectly follows Statement 'E', with huge increase in education for middle class, the amount to be spent on education will increase in different ways. (can be made out from the words 'middle class' mentioned in both the statements).
- **The THIRD sentence is A** which follows Statement 'B' and gives further statistics for statement B by describing the need to increase the expenditure on education if it were to come at par with the expenditure incurred by the developed economies.
- **D which is the FOURTH sentence** is a continuation of 'A' and it further highlights the problems of the issue, (the mismatch in demand and supply, particularly in high quality institutions).
- **C is the FIFTH sentence** as it follows Sentence 'D', gives statistics and compares the admission of students in different types of institutes.
- **Statement F comes LAST**, which gives stats on the issue by presenting the reports of the industry chamber regarding a huge expenditure by Indian

students for *acquiring higher education abroad*\*, thus, concluding the discussion.

- The correct sequence is EBADCF.
- *The last sentence is F.*

### ★ Additional Information

- **Industry chamber:** a voluntary association of business firms belonging to different trades and **industries**.
- **Reported:** to give people information about what you have seen, heard, done, etc.
- **Acquiring:** to obtain or buy something
- **Overseas:** in, from, or to other countries

### 3. Answer: b

#### Explanation:

The correct answer is **D**.

#### ★ Key Points

While arranging sentences in a sequence, it is important to understand the central theme first so that the subthemes can be arranged accordingly.

- **The FIRST sentence is E** as it introduces the issue about the Indian education scenario by laying focus on the point "spending on education has figured as the single largest outlay for a middle class household after food and groceries".
- **The SECOND sentence is B** as it perfectly follows Statement 'E', with huge increase in education for middle class, the amount to be spent on education will increase in different ways. (can be made out from the words 'middle class' mentioned in both the statements).
- **The THIRD sentence is A** which follows Statement 'B' and gives further statistics for statement B by describing the need to increase the expenditure on education if it were to come at par with the expenditure incurred by the developed economies.

- **D which is the FOURTH sentence** is a continuation of 'A' and it further highlights the problems of the issue, (the mismatch in demand and supply, particularly in high quality institutions.
- **C is the FIFTH sentence** as it follows Sentence 'D', gives statistics and compares the admission of students in different types of institutes.
- **Statement F comes LAST**, which gives stats on the issue by presenting the reports of the industry chamber regarding a huge expenditure by Indian students for *acquiring higher education abroad* \*, thus, concluding the discussion.
- The correct sequence is EBADCF.
- *The fourth sentence is D.*

★ Additional Information

- **Investment:** the act of putting money in a bank, business, property, etc.; the amount of money that you put in
- **Glaring:** very easy to see; shocking
- **Mismatch:** a combination of things or people that do not go well together or are not suitable for each other

---

4. Answer: b

**Explanation:**

The correct answer is **A**.

★ Key Points

While arranging sentences in a sequence, it is important to understand the central theme first so that the subthemes can be arranged accordingly.

- **The FIRST sentence is E** as it introduces the issue about the Indian education scenario by laying focus on the point "spending on education has figured as the single largest outlay for a middle class household after food and groceries".

- **The SECOND sentence is B** as it perfectly follows Statement 'E', with huge increase in education for middle class, the amount to be spent on education will increase in different ways. (can be made out from the words 'middle class' mentioned in both the statements).
- **The THIRD sentence is A** which follows Statement 'B' and gives further statistics for statement B by describing the need to increase the expenditure on education if it were to come at par with the expenditure incurred by the developed economies.
- **D which is the FOURTH sentence** is a continuation of 'A' and it further highlights the problems of the issue, (the mismatch in demand and supply, particularly in high quality institutions.
- **C is the FIFTH sentence** as it follows Sentence 'D', gives statistics and compares the admission of students in different types of institutes.
- **Statement F comes LAST**, which gives stats on the issue by presenting the reports of the industry chamber regarding a huge expenditure by Indian students for *acquiring higher education abroad\**, thus, concluding the discussion.
- The correct sequence is EBADCF.
- *The third sentence is A.*

★ Additional Information

- **Expenditure:** the act of spending money; the amount of money that is spent
- **Range:** to vary between two amounts, sizes, etc., including all those between them
- **Incur:** to be made to lose money or have to pay a charge
- **Economies:** the operation of a country's money supply, commercial activities and industry

---

5. Answer: d

**Explanation:**

The correct answer is **E**.

## ★ Key Points

While arranging sentences in a sequence, it is important to understand the central theme first so that the subthemes can be arranged accordingly.

- **The FIRST sentence is E** as it introduces the issue about the Indian education scenario by laying focus on the point "spending on education has figured as the single largest outlay for a middle class household after food and groceries".
- **The SECOND sentence is B** as it perfectly follows Statement 'E', with huge increase in education for middle class, the amount to be spent on education will increase in different ways. (can be made out from the words 'middle class' mentioned in both the statements).
- **The THIRD sentence is A** which follows Statement 'B' and gives further statistics for statement B by describing the need to increase the expenditure on education if it were to come at par with the expenditure incurred by the developed economies.
- **D which is the FOURTH sentence** is a continuation of 'A' and it further highlights the problems of the issue, (the mismatch in demand and supply, particularly in high quality institutions).
- **C is the FIFTH sentence** as it follows Sentence 'D', gives statistics and compares the admission of students in different types of institutes.
- **Statement F comes LAST**, which gives stats on the issue by presenting the reports of the industry chamber regarding a huge expenditure by Indian students for *acquiring higher education abroad* \*, thus, concluding the discussion.
- The correct sequence is EBADCF.
- *The first sentence is E.*

## ★ Additional Information

- **Premium:** a reward or recompense for a particular act
- **Acquisition:** something that you have obtained or bought
- **Outlay:** money that is spent, especially in order to start a business or project
- **Figure:** to be included in something; to be an important part of something

6. Answer: b

**Explanation:**

The correct answer is **option 2 i.e. Q.**

★ Key Points

- The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.
- Here, the second sentence talks about 'duration' of something large. Given this, the only befitting first sentence can be Q, talking about 14 billion years.
- So, **Q** must be the first sentence.
- The third sentence must logically follow from the second sentence. Only P refers to the 'nuclei' mentioned in the second sentence by 'one such nucleus'.
- So, **P** must be the third sentence.
- The fourth sentence must logically follow the third. Only sentence T uses the phrase 'it was observed', which refers to the observation made in P.
- So, **T** must be the fourth sentence.
- Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences.
- Out of the remaining sentences, S directly follows the fifth sentence, referring to the 'half-life'; while R refers to 'this decay used for further information', following S.
- So, **S** must be the sixth sentence while **R** is the last sentence of the paragraph.

The correct order is: **QPTSR or Q2PT5SR**

**The complete paragraph will be:** *The universe is almost 14 billion years old. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei. A team of scientists has observed for the first time the decay of one such nucleus, the xenon-124 nuclei. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe. Half-life is the time over which half of the radioactive*

*nuclei present in a sample decay. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.*

Therefore, the correct answer is 2.

## 7. Answer: a

### Explanation:

The correct answer is option 1 i.e. P.

#### ★ Key Points

- The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.
- Here, the second sentence talks about 'duration' of something large. Given this, the only befitting first sentence can be Q, talking about 14 billion years.
- So, Q must be the first sentence.
- The third sentence must logically follow from the second sentence. Only P refers to the 'nuclei' mentioned in the second sentence by 'one such nucleus'.
- So, P must be the third sentence.
- The fourth sentence must logically follow the third. Only sentence T uses the phrase 'it was observed', which refers to the observation made in P.
- So, T must be the fourth sentence.
- Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences.
- Out of the remaining sentences, S directly follows the fifth sentence, referring to the 'half-life'; while R refers to 'this decay used for further information', following S.
- So, S must be the sixth sentence while R is the last sentence of the paragraph.

The correct order is: QPTSR or Q2PT5SR

**The complete paragraph will be:** *The universe is almost 14 billion years old. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei. A team of scientists has observed for the first time the decay of one such nucleus, the xenon-124 nuclei. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe. Half-life is the time over which half of the radioactive nuclei present in a sample decay. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.*

Therefore, the correct answer is 1.

---

## 8. Answer: e

### Explanation:

The correct answer is option 5 i.e. T.

### ★ Key Points

- The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.
- Here, the second sentence talks about 'duration' of something large. Given this, the only befitting first sentence can be Q, talking about 14 billion years.
- So, Q must be the first sentence.
- The third sentence must logically follow from the second sentence. Only P refers to the 'nuclei' mentioned in the second sentence by 'one such nucleus'.
- So, P must be the third sentence.
- The fourth sentence must logically follow the third. Only sentence T uses the phrase 'it was observed', which refers to the observation made in P.
- So, T must be the fourth sentence.
- Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences.

- Out of the remaining sentences, S directly follows the fifth sentence, referring to the 'half-life'; while R refers to 'this decay used for further information', following S.
- So, S must be the sixth sentence while R is the last sentence of the paragraph.

The correct order is: QPTSR or Q2PT5SR

**The complete paragraph will be:** *The universe is almost 14 billion years old. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei. A team of scientists has observed for the first time the decay of one such nucleus, the xenon-124 nuclei. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe. Half-life is the time over which half of the radioactive nuclei present in a sample decay. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.*

Therefore, the correct answer is 5.

---

9. Answer: d

## Your Personal Exams Guide

### Explanation:

The correct answer is option 4 i.e. S.

#### ★ Key Points

- The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.
- Here, the second sentence talks about 'duration' of something large. Given this, the only befitting first sentence can be Q, talking about 14 billion years.
- So, Q must be the first sentence.

- The third sentence must logically follow from the second sentence. Only P refers to the 'nuclei' mentioned in the second sentence by 'one such nucleus'.
- So, P must be the third sentence.
- The fourth sentence must logically follow the third. Only sentence T uses the phrase 'it was observed', which refers to the observation made in P.
- So, T must be the fourth sentence.
- Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences.
- Out of the remaining sentences, S directly follows the fifth sentence, referring to the 'half-life'; while R refers to 'this decay used for further information', following S.
- So, S must be the sixth sentence while R is the last sentence of the paragraph.

The correct order is: QPTSR or Q2PT5SR

**The complete paragraph will be:** *The universe is almost 14 billion years old. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei. A team of scientists has observed for the first time the decay of one such nucleus, the xenon-124 nuclei. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe. Half-life is the time over which half of the radioactive nuclei present in a sample decay. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.*

Therefore, the correct answer is 4.

---

10. **Answer: c**

**Explanation:**

The correct answer is option 3 i.e. R.

★ Key Points

- The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.
- Here, the second sentence talks about 'duration' of something large. Given this, the only befitting first sentence can be Q, talking about 14 billion years.
- So, Q must be the first sentence.
- The third sentence must logically follow from the second sentence. Only P refers to the 'nuclei' mentioned in the second sentence by 'one such nucleus'.
- So, P must be the third sentence.
- The fourth sentence must logically follow the third. Only sentence T uses the phrase 'it was observed', which refers to the observation made in P.
- So, T must be the fourth sentence.
- Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences.
- Out of the remaining sentences, S directly follows the fifth sentence, referring to the 'half-life'; while R refers to 'this decay used for further information', following S.
- So, S must be the sixth sentence while R is the last sentence of the paragraph.

The correct order is: QPTSR or Q2PT5SR

**The complete paragraph will be:** *The universe is almost 14 billion years old. This duration is, however, tiny compared with the time taken for physical processes such as the radioactive decay of some nuclei. A team of scientists has observed for the first time the decay of one such nucleus, the xenon-124 nuclei. It was observed using the dark matter detector XENONIT at the Gran Sasso National Laboratory of the National Institute for Nuclear Physics, Italy. The half-life measured thus for the xenon-124 decay process, called double electron capture, is about one trillion times longer than the age of the universe. Half-life is the time over which half of the radioactive nuclei present in a sample decay. This decay then gives information for further investigations on neutrinos, the lightest of all elementary particles whose nature is still not understood fully.*

Therefore, the correct answer is 3.