

# Telangana State Commissioner and Director of School Education

## Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

<b>Question Paper Name :</b>	English Medium with Urdu 10th Jul 2024 Shift 2
<b>Subject Name :</b>	English Medium with Urdu
<b>Creation Date :</b>	2024-07-10 17:28:43
<b>Duration :</b>	120
<b>Total Marks :</b>	100
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes
<b>Change Font Color :</b>	No
<b>Change Background Color :</b>	No
<b>Change Theme :</b>	No
<b>Help Button :</b>	No
<b>Show Reports :</b>	No
<b>Show Progress Bar :</b>	No

## English Medium with Urdu

<b>Group Number :</b>	1
<b>Group Id :</b>	72639224
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100

## General Knowledge and Teaching Aptitude

<b>Section Id :</b>	726392162
<b>Section Number :</b>	1

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	10
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	726392179
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 7263922318 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes**  
**Correct Marks : 1 Wrong Marks : 0**

Martyrs Day is observed in India on

**Options :**

1. ✘ 31<sup>st</sup> October
2. ✘ 12<sup>th</sup> March
3. ✔ 30<sup>th</sup> January
4. ✘ 9<sup>th</sup> August

**Question Number : 2 Question Id : 7263922319 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes**  
**Correct Marks : 1 Wrong Marks : 0**

The 2024 Summer Olympics are scheduled to be held at Paris from 26<sup>th</sup> July, 2024

to

**Options :**

1. ✘ 15<sup>th</sup> August, 2024

2. ✓ 11<sup>th</sup> August, 2024

3. ✘ 25<sup>th</sup> August, 2024

4. ✘ 1<sup>st</sup> September, 2024

Question Number : 3 Question Id : 7263922320 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Viticulture is cultivation and harvesting of

Options :

1. ✘ Onions

2. ✓ Grapes

3. ✘ Mangoes

4. ✘ Tomatoes

Question Number : 4 Question Id : 7263922321 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The most populated city in India as per 2011 census

Options :

1. ✓ Mumbai
2. ✘ Delhi
3. ✘ Kolkata
4. ✘ Hyderabad

Question Number : 5 Question Id : 7263922322 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The script used for writing in English language is

Options :

1. ✘ Georgian
2. ✘ Greek
3. ✘ Hangul
4. ✓ Latin

Question Number : 6 Question Id : 7263922323 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

One of the following should **NOT** be a quality of a teacher

Options :

1. ✘ Researcher
2. ✘ Leader
3. ✔ Loner
4. ✘ Motivator

**Question Number : 7 Question Id : 7263922324 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The qualities among the following that you want to develop among your students

- A. Scientific Temper
- B. Ideals of democracy
- C. Environmental Protection

**Options :**

1. ✔ A, B and C
2. ✘ A and B only
3. ✘ A and C only
4. ✘ B and C only

**Question Number : 8 Question Id : 7263922325 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

When we are talking about providing least restricted environment we are talking about the education of the

**Options :**

1. ✓ Physically handicapped
2. ✗ Girl child
3. ✗ Child belonging to minority group
4. ✗ First generation learner

**Question Number : 9 Question Id : 7263922326 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The number of years of pre schooling recommended in NEP 2020 is

**Options :**

1. ✗ 1 year
2. ✗ 2 years
3. ✗ 4 years
4. ✓ 3 years

**Question Number : 10 Question Id : 7263922327 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The National Eligibility cum Entrance Test (NEET-UG) 2024 is conducted by

Options :

1. ✘ All India Medical Council
2. ✔ National Testing Agency
3. ✘ Central Board of Secondary Education
4. ✘ University Grants Commission

## General English

Section Id :	726392163
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	16
Number of Questions to be attempted :	16
Section Marks :	20
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	726392180
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 7263922328 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Ashoka was a wise king.

Choose the option indicating the part of speech of the underlined word.

Options :



1. ✘ Verb

2. ✘ Noun

3. ✘ Pronoun

4. ✔ Adjective

Question Number : 12 Question Id : 7263922329 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

He said, "Don't open the door."

Choose the option with the given sentence in indirect speech.

Options :

1. ✔ He ordered me, not to open the door.

2. ✘ He asked me I won't open the door.

3. ✘ He told to me that don't open the door.

4. ✘ He asked me no to open the door.

Question Number : 13 Question Id : 7263922330 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

My son's birthday coincides \_\_\_\_\_ mine.

Choose the appropriate option to complete the sentence.



Options :

1. ✓ with
2. ✘ on
3. ✘ in
4. ✘ by

Question Number : 14 Question Id : 7263922331 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

There \_\_\_ plenty of time before the bus left. Fill in the blank with appropriate word.

Options :

1. ✘ has
2. ✘ are
3. ✓ was
4. ✘ for

Question Number : 15 Question Id : 7263922332 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

This kind of tree grows very \_\_\_\_\_.  
Choose the correct from to fill in the blank.

Options :

1. ✘ slow
2. ✘ slower
3. ✘ slowest
4. ✔ slowly

**Question Number : 16 Question Id : 7263922333 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The officer was caught red handed.

Choose the one that best expresses the meaning of the idiom/phrase 'red handed'.

**Options :**

1. ✘ The officer's hands turned red.
2. ✘ Caught with dirty hands.
3. ✔ Caught while committing a crime.
4. ✘ Caught with red hands.

**Question Number : 17 Question Id : 7263922334 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

He woke up early. Choose appropriate question tag.

Options :

1. ✘ did he?
2. ✔ didn't he?
3. ✘ should he?
4. ✘ won't he?

Question Number : 18 Question Id : 7263922335 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Rearrange the following parts to form a correct sentence

P. adverse effects of the rise of

Q. The Government

R. population in India

S. is concerned about

Options :

1. ✘ QPRS
2. ✘ QRSP
3. ✘ QRPS
4. ✔ QSPR

Question Number : 19 Question Id : 7263922336 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Identify the wrongly spelt word from the following.

Options :

1. ✘ innovation

2. ✔ rectification

3. ✘ moderation

4. ✘ transformation

Question Number : 20 Question Id : 7263922337 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

“Please join me in the party.” The sentence is a/an

Options :

1. ✘ Interrogative Sentence

2. ✘ Declarative Sentence

3. ✘ Exclamatory Sentence

4. ✔



3. ✓ C

4. ✗ D

Question Number : 23 Question Id : 7263922340 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the correct option to complete the following statement.  
Hyderabad is \_\_\_\_\_ Warangal.

Options :

1. ✗ large than

2. ✓ larger than

3. ✗ the largest than

4. ✗ largest than

Question Number : 24 Question Id : 7263922341 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Give \_\_\_\_\_ a break and get some rest.  
Choose the correct option to complete the sentence

Options :

1. ✘ your

2. ✘ you

3. ✔ yourself

4. ✘ yours

Question Number : 25 Question Id : 7263922342 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Identify the silent consonant letter in the word 'condemn'.

Options :

1. ✘ s

2. ✔ n

3. ✘ c

4. ✘ g

Sub-Section Number :

2

Sub-Section Id :

726392181

Question Shuffling Allowed :

No

Question Id : 7263922343 Question Type : COMPREHENSION Sub Question Shuffling Allowed :



## Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix

Question Numbers : (26 to 30)

Question Label : Comprehension

Read the following passage and answer the questions given. Choose the correct option for each question.

When we pick up a newspaper, a book, or an article, we come to our task with certain preconceptions and predispositions. We expect to find a specific piece of information or be presented with an argument or an analysis of something, say, the likelihood of recession in the next six months or the reasons why children can't read. We probably know a little about the book or article we are reading even before we start. There was, after all, some reason why we chose to read one piece of writing rather than another.

Our expectations and predispositions may, however, blind us to what the article and its author is actually saying. If, for example, we are used to disagreeing with the author, we may see only what we expect to see and not what is actually there. Day after day in our routine pattern of life we expose ourselves to the same newspaper, the same magazine, even books by authors with the same perspectives. In order to reflect on our reading habits and improve our skills we need to break out of the routine, step back and look at what we are doing when we read.

### Sub questions

Question Number : 26 Question Id : 7263922344 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In order to reflect on our reading habits and improve our skills we need to break out of this routine. The routine is

### Options :

1. ✘ preconceptions and predispositions on reading a newspaper, a book, or an article.
2. ✘ reflections on our reading habits.
3. ✔

step back and look at what we are doing when we read.

reading the books for new information.

4. ✘

Question Number : 27 Question Id : 7263922345 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The word in the passage means 'decline'.

Options :

1. ✘ perspective

2. ✔ recession

3. ✘ predisposition

4. ✘ preconception

Question Number : 28 Question Id : 7263922346 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

According to the passage the following statement is **NOT** true.

Options :

1. ✘ Our expectations and preconceptions can blind us to what the article and its author are actually saying.

2. ✘ We have certain preconceptions and biases when we read a newspaper, book, or article.

3. ✘ We may only see what we expect to see, not what is actually there in the newspaper, book, or article.

4. ✔ We do not have a reason for choosing to read one piece of writing instead of another

**Question Number : 29 Question Id : 7263922347 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The passage is about

**Options :**

1. ✘ choosing the right material for reading

2. ✘ importance of reading habit

3. ✘ different types of literature

4. ✔ influence of preconceptions and predispositions on reading

**Question Number : 30 Question Id : 7263922348 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

According to the passage, while reading the articles we may see only what we expect to see and not what

**Options :**

1. ✘ is missing there
2. ✔ actually is there
3. ✘ must be there
4. ✘ is happening there

## General Urdu

Section Id :	726392164
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	726392182
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 7263922349 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

ارکان تشبیہ ہیں۔

**Options :**

1. ✘

چار

2. ✓ پانچ

3. ✗ چھ

4. ✗ سات

Question Number : 32 Question Id : 7263922350 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

احمد خوشی خوشی گھر چلا گیا۔ یہ جملہ مثال ہے۔

Options :

1. ✓ صنعت تکرار لفظی کی

2. ✗ مبالغہ کی

3. ✗ تضاد کی

4. ✗ صنعت کی

Question Number : 33 Question Id : 7263922351 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

نظم ”عورت“ اس جماعت میں ہے۔

Options :

1. ✗



جماعت ہفتم

2. ✘ جماعت ہشتم

3. ✘ جماعت نہم

4. ✔ جماعت دہم

Question Number : 34 Question Id : 7263922352 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

یہ قوسین کی علامت کہلاتی ہے۔

Options :

1. ✘ “ ”

2. ✘ :

3. ✔ ( )

4. ✘ !


Question Number : 35 Question Id : 7263922353 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

مسدس میں اتنے مصرعے ہوتے ہیں۔

Options :

1. ✓  چھ

2. ✗  پانچ

3. ✗  سات

4. ✗  چار

Question Number : 36 Question Id : 7263922354 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

غزل کے آخری شعر کو کہتے ہیں۔

Options :

1. ✗  مطع

2. ✓  مقطوع

3. ✗  قافیہ


4. ✗  ردیف

Question Number : 37 Question Id : 7263922355 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

لفظ ”پوشیدہ“ کے معنی ہے۔

Options :

1. ✗  نظر آنا



2. ✘ دیکھا ہوا

3. ✘ رکھا ہوا

4. ✔ چھپا ہوا

Question Number : 38 Question Id : 7263922356 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

لفظ ”روز“ کی ضد ہے۔

Options :

1. ✘ اب

2. ✘ جب

3. ✔ شب

4. ✘ دن

Question Number : 39 Question Id : 7263922357 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

حامد نے اپنی دادی کے لئے یہ خریدا۔

Options :

1. ✔ چمٹا

2. ✖ بندوق

3. ✖ ہانڈی

4. ✖ چولھا

Question Number : 40 Question Id : 7263922358 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

لفظ ”شعر“ کی جمع ہے۔

Options :

1. ✖ شہروں

2. ✔ اشعار

3. ✖ شعراء

4. ✖ شیر

## Mathematics

Section Id :	726392165
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Maximum Instruction Time :	0
Sub-Section Number :	1

Sub-Section Id :

726392183

Question Shuffling Allowed :

Yes

Question Number : 41 Question Id : 7263922359 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is a prime number?

Options :

1. ✘ 81

2. ✘ 77

3. ✘ 49

4. ✔ 53

Question Number : 42 Question Id : 7263922360 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The degree of the polynomial  $3x^3 + 5x^2 - 4x + 1$  is

Options :

1. ✘ 1

2. ✘ 2

3. ✔ 3

4. ✘

Question Number : 43 Question Id : 7263922361 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The 11<sup>th</sup> term in arithmetic progression  $-1, 3, 7, 11, 15, 19, \dots$  is

Options :

1. ✓ 39

2. ✗ 35

3. ✗ 43

4. ✗ 37

Question Number : 44 Question Id : 7263922362 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The area (in sq.cm) of an equilateral triangle with a side of length 8 cm is

Options :

1. ✗ 16

2. ✓  $16\sqrt{3}$

3. ✗

$$24\sqrt{3}$$

4. ✘ 24

**Question Number : 45 Question Id : 7263922363 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The areas (in sq.cm) of a circle with a circumference of  $12\pi$  cm is

**Options :**

1. ✘  $12\pi$

2. ✘  $24\pi$

3. ✔  $36\pi$

4. ✘  $48\pi$

**Question Number : 46 Question Id : 7263922364 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The mean of 30 numbers is 30. If two numbers, 24 and 36 are discarded, then the mean of the remaining numbers is

**Options :**

1. ✘ 28

2. ✔

30

3. ✘ 29

4. ✘ 26

Question Number : 47 Question Id : 7263922365 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The probability of a sure event is

Options :

1. ✔ 1

2. ✘ 0

3. ✘ 0.5

4. ✘  $\infty$

Question Number : 48 Question Id : 7263922366 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The solution of the system of equations  $2x + y = 19$  and  $x - y = 5$  is

Options :

1. ✘  $x = 7, y = 5$

2. ✘  $x = 9, y = 1$

3. ✘  $x = 6, y = 1$

4. ✔  $x = 8, y = 3$

Question Number : 49 Question Id : 7263922367 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

$$\log \frac{64}{27} =$$

Options :

1. ✘  $4\log 3 - 3\log 4$

2. ✔  $3(\log 4 - \log 3)$

3. ✘  $\log 4 - \log 3$

4. ✘  $3\log 4 - 4\log 3$

Question Number : 50 Question Id : 7263922368 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

A is the set of factors of 72. Which of the following is not an element in set A?

Options :

1. ✘



18

2. ✘ 36

3. ✔ 28

4. ✘ 24

**Question Number : 51 Question Id : 7263922369 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

When  $x = -1$ , the value of  $p(x) = x^2 - 2x + 3$  is

**Options :**

1. ✔ 6

2. ✘ 0

3. ✘ 2

4. ✘ 4

**Question Number : 52 Question Id : 7263922370 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

Sum of the zeroes of the polynomial  $x^2 - 3$  is

Options :

1. ✘ 1

2. ✘ 3

3. ✘ -3

4. ✔ 0

Question Number : 53 Question Id : 7263922371 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is **NOT** a quadratic equation?

Options :

1. ✘  $(x - 2)^2 + 1 = 2x - 3$

2. ✔  $x(x + 1) + 8 = (x + 2)(x - 2)$

3. ✘  $x(2x + 3) = x^2 + 1$

4. ✘  $(x + 2)^3 = x^3 - 4$

Question Number : 54 Question Id : 7263922372 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Nature of roots of the quadratic equation  $2x^2 - x + 1 = 0$  are

Options :

two distinct real roots

1. ✘

only one real root

2. ✘

no real roots

3. ✔

two equal real roots

4. ✘

Question Number : 55 Question Id : 7263922373 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The common ratio of the GP:  $16, -4, 1, \frac{-1}{4}, \dots$  is

Options :

$\frac{-1}{4}$

1. ✔

$-4$

2. ✘

$4$

3. ✘

4. ✘

Question Number : 56 Question Id : 7263922374 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The distance between two points P (2,5) and Q (6, 8) is

Options :

4 units

1. ✘

5 units

2. ✔

6 units

3. ✘

3 units

4. ✘

Question Number : 57 Question Id : 7263922375 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The centroid of the triangle whose vertices are (4, 5), (-2, -2) and (-8, 0) is

Options :

(2, -1)

1. ✘

(-3, 0)

2. ✘

3. ✓  $(-2, 1)$

4. ✘  $(3, 0)$

Question Number : 58 Question Id : 7263922376 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

$\Delta ABC \sim \Delta PQR$  and their areas are 49sq.cm and 64sq.cm. If  $QR=4$ cm

then  $BC=$

Options :

1. ✘ 8 cm

2. ✘ 4.5cm

3. ✓ 3.5cm

4. ✘ 4cm

Question Number : 59 Question Id : 7263922377 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

If  $\tan A = \frac{3}{4}$ , then  $\operatorname{cosec} A =$

Options :

1. ✘

$$\frac{3}{5}$$

2. ✘

$$\frac{4}{3}$$

3. ✘

$$\frac{5}{4}$$

4. ✔

$$\frac{5}{3}$$

Question Number : 60 Question Id : 7263922378 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

If  $n$  is odd, the median of ungrouped data is the

Options :

1. ✔

$(\frac{n+1}{2})^{\text{th}}$  observation

2. ✘

$n^{\text{th}}$  observation

3. ✘

$(\frac{n}{2})^{\text{th}}$  observation

4. ✘

$(\frac{n-1}{2})^{\text{th}}$  observation

# Physical Sciences

Section Id :	726392166
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	726392184
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 7263922379 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The magnification produced by a convex mirror is always

Options :

1. ✘ equal to 1

2. ✘ zero

3. ✔ less than 1

4. ✘ greater than 1

Question Number : 62 Question Id : 7263922380 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

In the chemical reaction  $\text{Fe}_2\text{O}_{3(s)} + 2\text{Al}_{(s)} \xrightarrow{\Delta} 2\text{Fe}_{(s)} + \text{Al}_2\text{O}_{3(s)}$ ,  $\Delta$  represents

Options :

1. ✓ heat
2. ✘ precipitate
3. ✘ catalyst
4. ✘ gas

Question Number : 63 Question Id : 7263922381 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The unit of power of lens is

Options :

1. ✘ Decimal
2. ✓ Diopetre
3. ✘ Watt
4. ✘ Degree

Question Number : 64 Question Id : 7263922382 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0



Which of the following states that “The orbitals of equal energy (degenerate) are occupied with one electron each before pairing of electrons starts”

**Options :**

1. ✘ Pauli's exclusion principle
2. ✔ Hund's rule
3. ✘ Aufbau principle
4. ✘ Ohm's law

**Question Number : 65 Question Id : 7263922383 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

As we move from top to bottom in a group in the periodic table, the valency of atoms

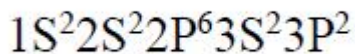
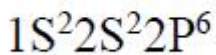
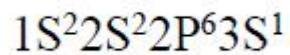
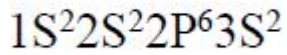
**Options :**

1. ✘ increase
2. ✘ decreases
3. ✘ first increases and then decreases
4. ✔ remains same

Question Number : 66 Question Id : 7263922384 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The electronic configuration of  $Mg^{2+}$

Options :



Question Number : 67 Question Id : 7263922385 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

1 KWH=

Options :

1. ✘  $3 \times 10^5 \text{ J}$

2. ✘  $3 \times 10^4 \text{ J}$

3. ✘  $3 \times 10^2 \text{ J}$

4. ✔

$3 \times 10^6 \text{ J}$

**Question Number : 68 Question Id : 7263922386 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Statement I: The direction of the field lines outside the solenoid is from north to south.

Statement II: The direction of the field lines inside the solenoid is from south to north.

**Options :**

Both statements are true

1. ✓

Both statements are false

2. ✗

Statement I is true, Statement II is false

3. ✗

Statement I is false, Statement II is true

4. ✗

**Question Number : 69 Question Id : 7263922387 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The place inside the furnace where the ore is kept for heating purpose

**Options :**

Chimney

1. ✗

2. ✓

Hearth

3. ✘ Firebox

4. ✘ Slag

Question Number : 70 Question Id : 7263922388 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Fullerene,  $C_{60}$  molecule contains

Options :

1. ✘ 20 pentagonal and 10 hexagonal faces

2. ✘ 20 pentagonal and 12 hexagonal faces

3. ✘ 10 pentagonal and 20 hexagonal faces

4. ✔ 12 pentagonal and 20 hexagonal faces

## Biological Sciences

Section Id :	726392167
Section Number :	6
Section type :	Online
Mandatory or Optional :	Mandatory

<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	10
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	726392185
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 71 Question Id : 7263922389 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Lichens are colonies where algae and fungi live in a symbiotic relationship. The function of alga here is to

- A). perform photosynthesis
- B). provide water and minerals.
- C). supply food in the form of sugars to the fungus.

Choose the correct answer:

**Options :**

A only

1. ✘

C only

2. ✘

A & B only

3. ✘

A & C only

4. ✔

**Question Number : 72 Question Id : 7263922390 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The hormones in plants those help in coordination are called

**Options :**

1. ✓ phytohormones
2. ✗ sex hormones
3. ✗ steroid hormones
4. ✗ peptide hormones

**Question Number : 73 Question Id : 7263922391 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The discovery of antibiotic Penicillin was announced in the year

**Options :**

1. ✗ 1919
2. ✗ 1927
3. ✓ 1929
4. ✗ 1917

Question Number : 74 Question Id : 7263922392 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Diabetes is related to this gland.

Options :

1. ✘ Thyroid
2. ✔ Pancreas
3. ✘ Adrenal
4. ✘ Pituitary

Question Number : 75 Question Id : 7263922393 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The part of the female reproductive system that produces the eggs is

Options :

1. ✔ Ovary
2. ✘ Fallopian tube
3. ✘ Uterus



## Epididymis

4. ✘

Question Number : 76 Question Id : 7263922394 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

The following hormone which is secreted by fat cells suppresses hunger.

Options :

Ghrelin

1. ✘

Secretin

2. ✘

Gastrin

3. ✘

Leptin

4. ✔

Question Number : 77 Question Id : 7263922395 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Natural selection means

A) Nature selects desirable characters.

B) Nature rejects undesirable characters.

C) Nature reacts with an organism.

Choose the correct answer:



Options :

- 1. ✘ A only
- 2. ✘ B & C only
- 3. ✔ A & B only
- 4. ✘ A & C only

Question Number : 78 Question Id : 7263922396 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

Ban all pesticides, this means that

Options :

- 1. ✘ control on usage of pesticides.
- 2. ✔ promote eco-friendly agricultural practices.
- 3. ✘ prevention of organic fertilisers.
- 4. ✘ stop biochemical factories.

Question Number : 79 Question Id : 7263922397 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

One of the following is **NOT** produced from petroleum

Options :

1. ✓ coal
2. ✗ wax
3. ✗ nylon
4. ✗ plastic

Question Number : 80 Question Id : 7263922398 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 1 Wrong Marks : 0

This nerve plays an important role in sensation of taste

Options :

1. ✗ 5<sup>th</sup> cranial nerve
2. ✗ 6<sup>th</sup> cranial nerve
3. ✗ 2<sup>nd</sup> cranial nerve
4. ✓ 10<sup>th</sup> cranial nerve

## Social Studies

Section Id :	726392168
Section Number :	7
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	726392186
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 7263922399 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

The British East India Company rule was ended with

Options :

1. ✘ The Government of India Act, 1935
2. ✘ The Government of India Act, 1909
3. ✔ Queen Victoria's proclamation of 1858
4. ✘ The Government of India Act, 1919

Question Number : 82 Question Id : 7263922400 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

In India, we usually follow the conventions used by the

**Options :**

1. ✓ Survey of India
2. ✘ National Mineral Development Corporation
3. ✘ Central Statistical Organisation
4. ✘ Geological Survey of India

**Question Number : 83 Question Id : 7263922401 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

From among the following, the extreme Climate is observed in this city of India

**Options :**

1. ✘ Panaji, Goa
2. ✘ Shimla, Himachal Pradesh
3. ✓ Nagpur, Maharashtra
4. ✘ Darjeeling, West Bengal

**Question Number : 84 Question Id : 7263922402 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

Maximum evaporation and cloud formation takes place on the surface of the

**Options :**

Plains

1. ✘

Rivers

2. ✘

Oceans

3. ✔

Lakes

4. ✘

**Question Number : 85 Question Id : 7263922403 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

From among the following, the islands formed by the volcanic eruption are

**Options :**

Lakshadweep Islands and Pamban Island

1. ✘

Narcondam and Barren Islands

2. ✔

Great Nicobar & Pamban Island

3. ✘

## Pamban Island & Anderson Island

4. ✘

**Question Number : 86 Question Id : 7263922404 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

In 1939, Adolf Hitler invaded Poland for

**Options :**

1. ✔ refusing to hand over the port of Danzig to Germany

2. ✘ not allowing its army from Danzig

3. ✘ making an alliance with France

4. ✘ not allowing its army through Warsaw, the capital of Poland

**Question Number : 87 Question Id : 7263922405 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Among the following, the representatives of the third estate who declared themselves as a National Assembly

**Options :**

1. ✘ John Locke, Rouseau and Montesque

2. ✔ Mirabeau, Abbe sieyes and Bailly



3. ✘ Robespierre, Mary Antionette and Nepoleon Bonaparte

4. ✘ Rousseau, Nepolean Bonaparte and Mary Antionette

**Question Number : 88 Question Id : 7263922406 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Among the following, the black soils are extensively found in this district of Telangana State

**Options :**

1. ✘ Nalgonda

2. ✘ Khammam

3. ✘ Mahabubnagar

4. ✔ Adilabad

**Question Number : 89 Question Id : 7263922407 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

The total number of States and Union Territories in India are

**Options :**

1. ✘ 28 States and 7 Union Territories

29 States and 8 Union Territories

2. ✘

29 States and 7 Union Territories

3. ✘

28 States and 8 Union Territories

4. ✔

**Question Number : 90 Question Id : 7263922408 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

This Plain extends in between Ghaggar and Teesta rivers

**Options :**

Sindhu Plain

1. ✘

Ganga Plain

2. ✔

Sundarbans

3. ✘

Brahmaputra Plain

4. ✘

**Question Number : 91 Question Id : 7263922409 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**



In rural areas, the disguised or underemployment is more in

**Options :**

Industrial sector

1. ✘

Service sector

2. ✘

Agricultural sector

3. ✔

Transport sector

4. ✘

**Question Number : 92 Question Id : 7263922410 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The climate of a place is not influenced by one of the following factors

**Options :**

Pressure and wind System

1. ✘

Ocean Currents and relief features

2. ✘

Distance from the sea

3. ✘

Time of the day and distance from a river

4. ✔

**Question Number : 93 Question Id : 7263922411 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Among the following, the Indian Government used this policy to regulate the prices of essential goods

**Options :**

1. ✘ Stops circulation of money
2. ✘ Increase the purchasing power of the people
3. ✔ Uses import-export policy
4. ✘ Imposes taxes on all the people to minimise the purchasing power of the people

**Question Number : 94 Question Id : 7263922412 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

Among the following, this state of India is having 16.5% of Total population of India as per 2011 census

**Options :**

1. ✘ West Bengal
2. ✘ Bihar
3. ✔

Uttar Pradesh

Rajasthan

4. ✘

Question Number : 95 Question Id : 7263922413 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

Identify the **INCORRECT** statement among the following regarding the Solar System

Options :

The Sun constantly emits light and heat

1. ✘

The Sun is the principal source of energy on the earth's surface

2. ✘

The earth and the other seven planets revolve round the Sun

3. ✘

Neptune is the nearest planet to the sun

4. ✔

Question Number : 96 Question Id : 7263922414 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 1 Wrong Marks : 0

One of the following is not the phases of Disaster Management

Options :

Emergency response and relief

1. ✘

Rehabilitation and Reconstruction

2. ✘

Provision of knowledge regarding Natural calamities

3. ✔

Mitigation

4. ✘

**Question Number : 97 Question Id : 7263922415 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

Fundamental duties are incorporated in this article of the Indian Constitution

**Options :**

Article 39A

1. ✘

Article 51A

2. ✔

Article 324

3. ✘

Article 326

4. ✘

**Question Number : 98 Question Id : 7263922416 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The Central Government has appointed Justice J.S Varma Committee to

**Options :**

1. ✓ Provide suggestion for preventing sexual assault and abuse
2. ✘ Formulate certain principles for the implementation of 'Act of Judicial Services Authority'
3. ✘ See the functioning of Lok Adalat
4. ✘ See the implementation of Criminal Legal Amendment Act, 2013

**Question Number : 99 Question Id : 7263922417 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Correct Marks : 1 Wrong Marks : 0**

The old name of Myanmar is

**Options :**

1. ✘ Ceylon
2. ✓ Burma
3. ✘ Babylonia
4. ✘ Mesopotamia

**Question Number : 100 Question Id : 7263922418 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 1 Wrong Marks : 0**

At the end of these war/s in South Africa in 1902, the British consolidated all the regions of South Africa in to one 'Union of South Africa'

**Options :**

Opium Wars

1. ✘

The Seven – Years War

2. ✘

Wars of the three kingdoms

3. ✘

Boers Wars

4. ✔