

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.

Question Paper Name :	English Medium with Urdu 08th Sep 2021 Shift 2
Subject Name :	English Medium with Urdu
Creation Date :	2021-09-08 17:48:55
Duration :	120
Total Marks :	100
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console? (SA type of questions will be always auto saved) :	Yes

English Medium with Urdu

Group Number :	1
Group Id :	77643334
Group Maximum Duration :	0
Group Minimum Duration :	120

Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Part I General Knowledge and Teaching Aptitude


Section Id :	776433232
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433252
Question Shuffling Allowed :	Yes


Question Number : 1 Question Id : 776433321 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The Modern Olympics were held for the first time in the year

Options :

 1898

 1896

✘ 1897

✘ 1894

Question Number : 2 Question Id : 776433322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The primary element in computer chip is

Options :

✔ Silicon

✘ Carbon

✘ Iron

✘ Uranium

Question Number : 3 Question Id : 776433323 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The founder of the Indian National congress

Options :

Motilal Nehru



W.C. Banerjee



Dadabhai Naoroji



A.O. Hume



Question Number : 4 Question Id : 776433324 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

R.K. Narayan's *Malgudi Days* is a

Options :

Collection of stories



Collection of poems



Collection of plays



Collection of essays



Question Number : 5 Question Id : 776433325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The highest gallantry award

Options :

✘ Maha Vir Chakra

✘ Shaurya Chakra

✔ Param Vir Chakra

✘ Vir Chakra

Question Number : 6 Question Id : 776433326 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following the school that is satisfying child Rights

Options :

✔ A school that admits all similar age group children into same class irrespective of their diversities like visual impairment, hearing impairment, slow learners, gifted etc.

A school that admits all children and arranges separate classes for various diversities like visual impairment, hearing impairment, slow learner, gifted etc.



A school that does not have any code of conduct for students.



A school that allows parents to do the home work of their children





Question Number : 7 Question Id : 776433327 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0

NDEAR

Options :

 National Digital Education and Research

 National Digital Education Architecture

 National Diversified Educational Architecture & Resource

 National Diversities Education and Research

Question Number : 8 Question Id : 776433328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option

Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

ECCE as per NPE, 2020 covers

Options :

- Pre-Primary to class II
- Two years of Pre-primary
- Pre-primary to class I
- Pre-primary to class III

Question Number : 9 Question Id : 7764333329 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following ideal classroom according to you is

Options :

- Classroom that is pin drop silent as teacher is giving a lecture
- Classroom that uses only digital lessons to teach
- Classroom that is noisy as all children are doing various activities to learn

Classroom that has all up to date infrastructure

✘

Question Number : 10 Question Id : 7764333330 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Among the following the statement with which you agree for choosing to do D.El.Ed. course

Options :

✘ I can get Government job immediately

✔ I have the innate urge to help children to learn

✘ It is offered immediately after intermediate

✘ I want to be a teacher like my mother

Part II a General English

Section Id :	776433233
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory

Number of Questions :	16
Number of Questions to be attempted :	16
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433253
Question Shuffling Allowed :	Yes

Question Id : 7764333331 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No

Question Numbers : (11 to 15)

Question Label : Comprehension

Read the passage carefully:

By generating a means of employment for people with excellent artistic abilities and incredible imagination, the animation industry is growing into a multi-crore industry with vast career prospects. The animation is the linking and the manipulation of still images to create an illusion of motion. Images graphics, text and audio are brought together to create a live moving picture on the screen. Thus the animator, who is an expert in animation art, gives life to a character using a blend of imagination and technology.

The animation industry can be broadly classified into categories like 3D and 2D animation, gaming, multimedia, web designing and Visual effects. In India the animation industry is growing immensely because of the skilled workers and low cost of production besides the rise of gaming industry. The magical world of animation is thus becoming one of the fastest and most lucrative industries in India. Despite a humble start in the year 1974 with the educational animation film 'EK Anek Aur Ekta'. The animation industry in India is a well-established career option today.

Answer the following by choosing the appropriate answer:





Sub questions

Question Number : 11 Question Id : 7764333332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The animator gives life to the characters using

Options :



-  artistic abilities
-  knowledge
-  skill
-  imagination and technology together

Question Number : 12 Question Id : 7764333333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Choose the 'true' statement/s from the following.

- (a) The animation industry is growing into a multicore industry
- (b) The animation industry is not providing employment for people with artistic abilities.
- (c) The animation industry in India is growing immensely due to skilled workers and low cost production

Options :

-  Only 'b'
-  (a) and (c)

✘ Only 'a'

✘ (b) and (c)

Question Number : 13 Question Id : 7764333334 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The first animated film in India is

Options :

✔ EK Anek Aur Ekta

✘ EK Aur Ekta

✘ Anek Aur Ekta

✘ Ek Anek Ekta

Question Number : 14 Question Id : 7764333335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The growth of animation industry in India leads to

Options :

- ✓ generation of employment for the people with artistic ability
- ✗ loss of interest among the students
- ✗ slowing the economy rate of industries
- ✗ minimize the career option in India

Question Number : 15 Question Id : 7764333336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The word lucrative means

Options :

- ✗ loss
- ✓ profitable
- ✗ money
- ✗ unprofitable

Sub-Section Id :

776433254

Question Shuffling Allowed :

Yes

Question Number : 16 Question Id : 776433337 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

I have to do it

The passive form of the above sentence is

Options :

✘ It is to be done by me

✘ It should to be done by me

✔ It has to be done by me

✘ It would to be done by me

Question Number : 17 Question Id : 776433338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Preethi has no control her temper

Fill in the blank with suitable preposition

Options :

✓ over

✗ in

✗ at

✗ after

Question Number : 18 Question Id : 7764333339 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The prices are going up by leaps and bounds.

Choose the appropriate meaning for the underlined idiomatic expression

Options :

✗ irregularly

✗ gradually

✓ rapidly


✗ systematically


Question Number : 19 Question Id : 7764333340 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


The art of beautiful handwriting. One word substitute for the above is

Options :

 Paleography

 Calligraphy

 Draftsman


 Painter


Question Number : 20 Question Id : 7764333341 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

She said to me, 'what are you doing'? This can be reported as.....

Options :

 She said me what I was doing.

 She asked me what I was doing

✘ She enquired me what I am doing

✘ She asked me what are you doing

Question Number : 21 Question Id : 7764333342 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Each of the suspected men _____ arrested. Choose the appropriate verb

Options :

✔ was

✘ has

✘ were

✘ are

Question Number : 22 Question Id : 7764333343 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

I am right, _____ choose the right Question tag.

Options :

- have I ?
- are I ?
- haven't I?
- aren't I?

Question Number : 23 Question Id : 7764333344 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

'As clear as crystal'. Identify the figure of speech.

Options :

- Metaphor
- Simile
- Irony
- Personification

Question Number : 24 Question Id : 7764333345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option

Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

He worked hard so that he might pass the examination.

The above sentence is a

Options :

- Simple sentence
- Complex sentence
- Compound sentence
- Compound complex sentence

Question Number : 25 Question Id : 7764333346 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option

Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the word with correct spelling.

Options :

- Extravagance
- Extravegance
- Extravagence

✘ Extravegense

Question Number : 26 Question Id : 7764333347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

She held out her hand imperiously, but the messenger did not immediately hand over the letter.

(Choose the appropriate meaning for the underlined word)

Options :

✘ politely

✘ respectfully

✘ humbly

✔ proudly

Question Number : 27 Question Id : 7764333348 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

My brother is well.

My sister is ill.

Combine the two sentences using

Options :

but

as

because

or

Question Number : 28 Question Id : 7764333349 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

A sentence which consists of two or more main clauses combined with coordinate conjunctions is a

Options :

Simple sentence

Compound sentence

Complex sentence

Compound complex sentence





Question Number : 29 Question Id : 7764333350 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

- (i) If I shall do this I shall be wrong
- (ii) If I do this I shall be wrong

The correct sentence is ...

Options :

-  only (i)
-  only (ii)
-  both (i) and (ii)
-  None

Question Number : 30 Question Id : 7764333351 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

..... her poverty, Shalini completed her Doctorate Degree in chemistry

Fill in the blank with appropriate phrase

Options :

- ✘ In place of
- ✘ For the sake of
- ✔ In spite of
- ✘ By means of

Part II b General Urdu

Section Id :	776433234
Section Number :	3
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433255
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 776433352 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

”خون کارنگ“ گیت کے شاعر ہیں۔

Options :

✓ بیکل اتسای

✗ حالی

✗ اختر شیرانی

✗ کیفی اعظمی

Question Number : 32 Question Id : 7764333353 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

لفظ ”زن“ کی ضد ہے۔

Options :

✗ انسان

✗ حیوان مطلق

✓ مرد

✗ مرید

Question Number : 33 Question Id : 7764333354 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

لفظ 'مہبوت' کے معنی ہے۔

Options :

✘ راہ دیکھنا

✔ حیران ہوجانا

✘ حیران کرانا

✘ پریشان ہونا

Question Number : 34 Question Id : 7764333355 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

دعکم کی جمع ہے۔

Options :

✔ احکام

✘ حاکم

✘ محکوم

✘ حکام

Question Number : 35 Question Id : 7764333356 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

یہ لفظ مرکب اضافی کی مثال ہے۔

Options :

✘ شری لڑکا

✘ گلبدن

✔ شب فراق

✘ گفام

Question Number : 36 Question Id : 7764333357 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

غزل کے پہلے شعر کو کہتے ہیں۔

Options :

✘ قافیہ

✘ مقطع

✘ ردیف

✔ مطلع

Question Number : 37 Question Id : 7764333358 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

یوسف چاند کی طرح خوبصورت ہے۔ یہ جملہ ہے۔

Options :

✔ تشبیہ کا

✘ استعارہ کا

✘ مجاز مرسل کا

✘ کنایہ کا

Question Number : 38 Question Id : 7764333359 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

”میں کل آؤں گا“ یہ جملہ اس زمانے کو ظاہر کرتا ہے۔

Options :

✘ فعل ماضی کو

✘ فعل حال کو

✘ فعل مطلق کو

✔ فعل مستقبل کو

Question Number : 39 Question Id : 7764333360 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

یہ سب کی مثال ہے۔

Options :

✘ قلم

✘ کاپی

✔ گھر

✘ انسان

Question Number : 40 Question Id : 7764333361 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

یہ حروف ”حروف قمری“ ہیں۔

Options :

✓ ع غ

✗ ت ث

✗ و ذ

✗ ر ز

Part III a Mathematics


Section Id :	776433235
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433256
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 7764333362 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

If $\frac{9^{10} + 9^{10} + 9^{10} + 9^{10}}{3^{10} + 3^{10}} = 2(3^x)$ then the value of x is

Options :

 20

 5

 10

 9

Question Number : 42 Question Id : 7764333363 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Let p and q be degree and coefficient of x^2 in $p(x) = (x^2+3)(x^2-5)$, then the value of $p+q$ is

Options :

 2

 4

 -15

✘ -2

Question Number : 43 Question Id : 7764333364 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The discriminant of the quadratic equation $x^2 - 7x + 10 = 0$ can be put in the form of

Options :

✘ $3m + 1; M \in \mathbb{N}$

✘ $3m + 2; M \in \mathbb{N}$

✘ $3m + 5; M \in \mathbb{N}$

✔ $3m; M \in \mathbb{N}$

Question Number : 44 Question Id : 7764333365 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The number of prime numbers dividing 2005 is

Options :

✘ 4

✘ 3

✔ 2

✘ 1

Question Number : 45 Question Id : 7764333366 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The distance from $p(3,-4)$ to the X-axis is

Options :

✔ 4 units

✘ 3 units

✘ 1 unit

✘ 5 units

Question Number : 46 Question Id : 7764333367 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Let α and β be the median and mean of the data 10, 20, 30, 40 and 50 respectively
then $\alpha - \beta =$

Options :

✘ 30

✔ 0

✘ 60

✘ 10

Question Number : 47 Question Id : 7764333368 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The volume of a hemisphere is given by “V” then its radius in terms of “V” is

Options :

✘ $\sqrt{\frac{3V}{2\pi}}$

✘ $\left(\frac{3V}{2\pi}\right)^2$

✘ $\left(\frac{3V}{2\pi}\right)^3$

✔ $\sqrt[3]{\frac{3V}{2\pi}}$

Question Number : 48 Question Id : 7764333369 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

The Sum of 11 terms of an Arithmetic progression whose middle term is 2020

Options :

✘ 20,220

✔ 22,220

✘ 22,020


✘ 22,002

Question Number : 49 Question Id : 7764333370 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0

If $\sec \theta + \tan \theta = 5$, then the value of $\sec^2 \theta + \tan^2 \theta =$

Options :

 $\frac{314}{25}$

 $\frac{312}{25}$

 $\frac{313}{25}$

 $\frac{313}{5}$

Question Number : 50 Question Id : 7764333371 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0


The value of $\frac{\sin^2 23^\circ + \sin^2 67^\circ}{\sec^2 23^\circ - \tan^2 23^\circ}$

Options :

 1

 0

 2

 -1

Question Number : 51 Question Id : 7764333372 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0


5% of 20 + 20% of 5 =

Options :

 10

 5

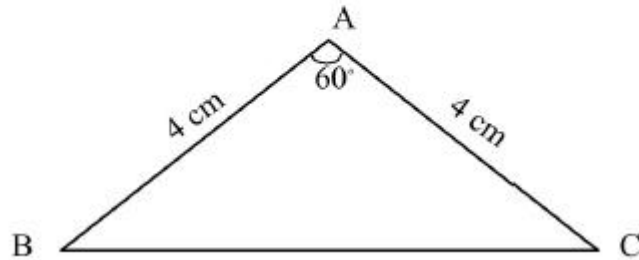
 1

 0.1

Question Number : 52 Question Id : 7764333373 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The area of the ΔABC as shown below is



Options :

✓ $4\sqrt{3} \text{ cm}^2$

✗ $16\sqrt{3} \text{ cm}^2$

✗ $8\sqrt{3} \text{ cm}^2$


✗ $64\sqrt{3} \text{ cm}^2$


Question Number : 53 Question Id : 7764333374 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


The quadrant in which the Centroid of a triangle formed by the points $(0,0)$, $(-6,0)$ and $(0,4)$ lies in

Options :

 I Quadrant

 III Quadrant

 II Quadrant

 IV Quadrant

Question Number : 54 Question Id : 7764333375 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Let α be the Arithmetic mean of the zeroes of $p(x) = x^2 - 6x + 5$, then $p(\alpha)$ is

Options :

 4

 -4

 6


 5


Question Number : 55 Question Id : 7764333376 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


Let θ be the angle made by the line joining the points $(\cos\alpha, 0)$ and $(0, \sin\alpha)$ where $0 < \alpha < 90^\circ$ with X-axis, then

Options :

 $\tan \theta + \tan \alpha = 1$

 $\tan \theta - \tan \alpha = 1$

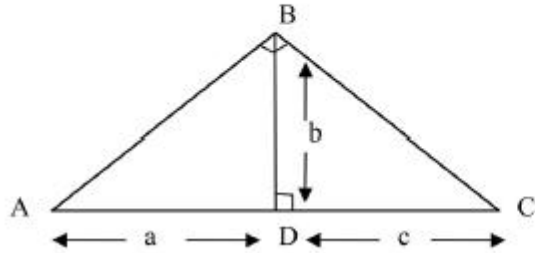
 $\tan \theta + \tan \alpha = -1$

 $\tan \theta + \tan \alpha = 0$

Question Number : 56 Question Id : 7764333377 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

In the given ΔABC , $\angle B = 90^\circ$ and $\angle ADB = 90^\circ$ the relation among a, b, c , is



Options :

✘ $C^2 = ab$

✘ $a^2 = bc$

✔ $b^2 = ac$

✘ $2b = a+c$

Question Number : 57 Question Id : 7764333378 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

When a coin is tossed for three times at random, a, b are the probabilities of getting at least one head and all tails respectively than $a:b =$

Options :

✓ 7:1

✗ 1:7

✗ 7:8

✗ 8:7

Question Number : 58 Question Id : 7764333379 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Let a,b,c be three positive reals such that $a^2+b^2+c^2-4a-6b-8c+29=0$, then the value of

$$\frac{a^2 + b^2 + c^2}{c^2 - a^2 - b^2} =$$

Options :

✗ $\frac{29}{9}$

✗ $\frac{-29}{3}$

✗ $\frac{29}{18}$

✓ $\frac{29}{3}$

Question Number : 59 Question Id : 7764333380 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Let a, b be two natural numbers such that $a+b=ab$, then one of the following is "Correct"

Options :

✘ $\frac{1}{a} + \frac{1}{b} = \frac{6}{5}$

✓ $\frac{1}{a} + \frac{1}{b} = \frac{5}{6}$

✘ $\frac{1}{a} - \frac{1}{b} = \frac{-1}{6}$

✘ $\frac{1}{a} - \frac{1}{b} = \frac{5}{6}$

Question Number : 60 Question Id : 7764333381 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0


The value of $\log_2[(\sin 45^\circ + \cos 45^\circ)^2 + (\sin 45^\circ - \cos 45^\circ)^2] =$

Options :

 2

 0

 1

 $\frac{1}{2}$

Part III b Physical Sciences

Section Id :	776433236
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433257
Question Shuffling Allowed :	Yes

Question Number : 61 Question Id : 7764333382 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a vector?

Options :

- Velocity
- Displacement
- Pressure
- Area

Question Number : 62 Question Id : 7764333383 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Total internal reflection takes place when light ray travels from

Options :

- Denser to rarer medium
- Rarer to denser medium
- Denser to denser medium

Rarer to rarer medium




Question Number : 63 Question Id : 7764333384 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


Match the following


- | | |
|----------------|------------|
| (i) Aerosol | (A) Sponge |
| (ii) Foam | (B) Fog |
| (iii) Emulsion | (C) Cheese |
| (iv) Gel | (D) Milk |

Options :

 i-A, ii-B, iii-C, iv-D

 i-B, ii-A, iii-D, iv-C

 i-C, ii-B, iii-D, iv-A


 i-D, ii-C, iii-B, iv-A


Question Number : 64 Question Id : 7764333385 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


A boy pushes a book kept on a table by applying a force of 4.5N. Find the work done by the force if the book is displaced through 30 cm along the direction of the push.

Options :

 2.3 J

 1.35 J

 0.3 J


 3.35 J

Question Number : 65 Question Id : 7764333386 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0

Magnification of the image formed by the concave lens is

Options :

 + 0.7

 - 0.7

 + 1.5

✘ - 1.5

Question Number : 66 Question Id : 7764333387 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Magnification value of an image is +1 is related to

Options :

✘ Concave Mirror

✘ Convex Mirror

✔ Plane Mirror


✘ Convex lens

Question Number : 67 Question Id : 7764333388 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0


The maximum focal length of the eye lens is

Options :

✘ 2.75 cm

 2.65 cm

 2.27 cm

 2.5 cm


Question Number : 68 Question Id : 7764333389 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The element having highest electronegativity is

Options :

 I

 Br

 Cl

 F

Question Number : 69 Question Id : 7764333390 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Statement –I: Ionization Energy decreases in Groups from top to bottom

Statement-II: Electron Affinity increases in Groups from top to bottom

Options :

- Both I & II are correct
- Both I & II are incorrect
- I is correct & II is incorrect
- I is incorrect & II is correct

Question Number : 70 Question Id : 7764333391 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the following

	Substance	pH value
(i)	Strong Acid	(A) 14
(ii)	Strong Base	(B) 5
(iii)	Weak Acid	(C) 9
(iv)	Weak Base	(D) 2

Options :

✓ i-D, ii-A, iii-B, iv-C

✗ i-A, ii-B, iii-C, iv-D

✗ i-B, ii-C, iii-A, iv-D

✗ i-C, ii-D, iii-B, iv-A

Part III c Biological Sciences

Section Id :	776433237
Section Number :	6
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	776433258
Question Shuffling Allowed :	Yes

Question Number : 71 Question Id : 7764333392 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Male reproductive part of a flower

Options :

✓ Androecium

✗ Thalamus

✗ Stigma

✗ Gynoecium

Question Number : 72 Question Id : 7764333393 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Method of identifying the presence of starch in food materials is

Options :

✓ Colour changes to bluish black by adding iodine solution

✗ Colour changes to bluish black by adding copper sulphate solution

✗ Colour changes to purple by adding sodium hydroxide solution

✗ Colour changes to purple by adding copper sulphate and sodium hydroxide

Question Number : 73 Question Id : 7764333394 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the 'CORRECT' sequence of blood flow in the human

Options :

✘ Body parts → right atrium → right ventricle → pulmonary vein → lungs

✔ Lungs → pulmonary vein → left atrium → left ventricle → body parts

✘ Body parts → left atrium → left ventricle → pulmonary vein → lungs

✘ Lungs → pulmonary artery → right atrium → left atrium → body parts

Question Number : 74 Question Id : 7764333395 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the INCORRECT pair from the following

Options :

✔ Malthus - Principles of geology

- ✘ Charles Darwin - Natural selection
- ✘ Jean Baptist Lamarck - Inheritance of acquired characters
- ✘ August weisman - Bodily changes are not inherited

Question Number : 75 Question Id : 7764333396 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Phyto hormone responsible for breaking seed dormancy

Options :





- ✘ Auxins
- ✘ Cytokinins
- ✘ Abscisic acid
- ✔ Gibberellins

Question Number : 76 Question Id : 7764333397 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the INCORRECT pair from the following

Options :




-  Protozoa - Unicellular organisms
-  Annelida - Segmented body
-  Arthropoda - Jointed legs
-  Echinodermata - Pore bearing organisms

Question Number : 77 Question Id : 7764333398 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the external characters of oviparous organisms from the following

Options :

-  Absence of epidermal hair and external ears
-  Presence of epidermal hair and external ears
-  Absence of feathers and external ears

Presence of feathers and external ears



Question Number : 78 Question Id : 7764333399 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the primary metabolite from the following

Options :

Alkaloids



Tannins



Proteins



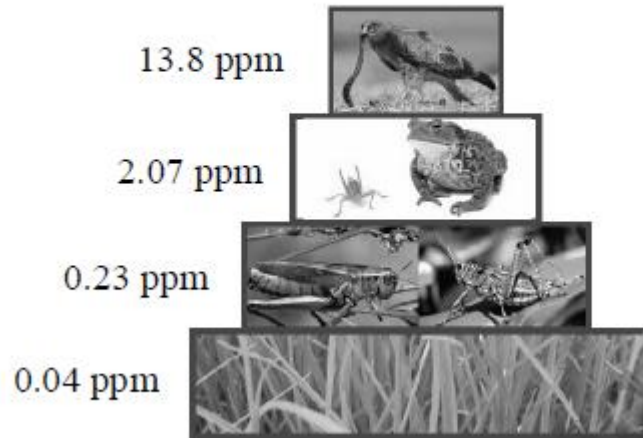
Resins



Question Number : 79 Question Id : 7764333400 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the concept indicated in the given picture



Options :

- Bio accumulation
- Bio magnification
- Bio remediation
- Bio degradation

Question Number : 80 Question Id : 7764333401 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Identify the following picture



Options :

- Granulocyte
- Bone cell
- Nerve cell
- Straited muscle cell

Part III d Social Studies

Section Id :	776433238
Section Number :	7
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	20
Number of Questions to be attempted :	20
Section Marks :	20

Enable Mark as Answered Mark for Review and Clear Response : Yes
Sub-Section Number : 1
Sub-Section Id : 776433259
Question Shuffling Allowed : Yes

Question Number : 81 Question Id : 7764333402 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

The main reason for Europeans to find sea route to India

Options :

- Establishing their rule in India
- Establishing permanent residence in India
- Crawling on business relations with India
- To visit tourist places in India

Question Number : 82 Question Id : 7764333403 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical
Correct Marks : 1 Wrong Marks : 0

These crops are grown in 'Dalva' the winter crop?

Options :

- Sugarcane and wheat

✓ Paddy or pulse

✗ Wheat or oil seeds

✗ Oil seeds or maize

Question Number : 83 Question Id : 7764333404 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Choose the correct option from the following arrangement which are least to highest distances from Delhi that Ashoka sent ambassadors to propagate dharma

Options :

✓ Srilanka, Syria, Egypt, Greece

✗ Syria, Srilanka, Egypt, Greece

✗ Srilanka, Syria, Greece, Egypt

✗ Syria, Srilanka, Greece, Egypt


Question Number : 84 Question Id : 7764333405 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option


Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Who plans and executes land reform measures at the village level

Options :

 State Governments

 Zilla Parishads

 Mandal Parishads


 Gram Panchayats


Question Number : 85 Question Id : 7764333406 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Winds from Southwest Europe to the East Coast of the United States are called

Options :

 Trade winds

 Monsoons winds

✘ Permanent winds

✘ Local winds

Question Number : 86 Question Id : 7764333407 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the following

- | | |
|--------------|---|
| 1. Bay | (A) Sea penetrated into the territory |
| 2. Peninsula | (B) Water body which has three side land and one side water |
| 3. Gulf | (C) Flows slowly |
| 4. Drift | (D) Land mass which has three sides water and one side land |

Options :

✘ 1-A, 2-B, 3-C, 4-D

✘ 1-D, 2-C, 3-B, 4-A

✔ 1-B, 2-D, 3-A, 4-C

✘ 1-D, 2-B, 3-C, 4-A


Question Number : 87 Question Id : 7764333408 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


Asaf Jahis who did not get the title of 'Nizam' from the Mughals are


- i. Nassar Jung
- ii. Salabath Jung
- iii. Salar Jung
- iv. Mazaffar Jung

Options :

 i, ii, iii

 i, iii, iv

 i, ii, iv

 i, ii, iii, iv

Question Number : 88 Question Id : 7764333409 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The language used in Eastern Uttar Pradesh is

Options :

✓ Awadh

✗ Bhojpuri

✗ Santhali

✗ Maithili

Question Number : 89 Question Id : 7764333410 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following is not an important task of water shed programme?

Options :

✗ Rain water conservation

✓ Drinking water facilities

✗ Afforestation

✗ Promotion of crops that require less water

Question Number : 90 Question Id : 7764333411 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which of the following deals with children's cases

Options :

- District Court
- Sessions Court
- Judicial Magistrate
- Junior Civil Judge

Question Number : 91 Question Id : 7764333412 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Match the following

- | | |
|----------------------------------|----------------------|
| 1. Permanent tax system | (A) Warren Hastings |
| 2. EK Sala (one year) tax system | (B) Thomas Munro |
| 3. Mahalwari's system | (C) Corn Wallies |
| 4. Raitwari system | (D) William Bentinck |

Options :

✘ 1-D, 2-A, 3-C, 4-B

✘ 1-D, 2-C, 3-B, 4-A

✔ 1-C, 2-A, 3-D, 4-B

✘ 1-C, 2-B, 3-D, 4-A

Question Number : 92 Question Id : 7764333413 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which fundamental right includes ‘a criminal cannot be awarded punishment which is more than the prescribed by the law in force at that time’.

Options :

✘ Right to Equality

✘ Right to Freedom

✘ Right against the exploitation


Right to constitutional remedies





Question Number : 93 Question Id : 7764333414 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0


Which of the following is not correct for 'October heat'?

Options :

 The land being still moist

 Low humidity in the air


 Clear sky


 High humidity conditions


Question Number : 94 Question Id : 7764333415 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0


Which fuel should be used in the public transport as per the Supreme Court's orders?

Options :

 Diesel

 Petrol

 CNG


 Solar power


Question Number : 95 Question Id : 7764333416 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical


Correct Marks : 1 Wrong Marks : 0


Which movement was started by Gandhiji after the failure of the Cripps Mission?

Options :

 Quit India Movement

 Non- Cooperation Movement

 Civil Disobedience Movement

 Champaran Movement

Question Number : 96 Question Id : 7764333417 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Foreign textiles and salt boycotts were conducted during this movement

Options :

- ✘ Quit India Movement
- ✔ Non- Cooperation Movement
- ✘ Civil Disobedience Movement
- ✘ Vandemataram Movement

Question Number : 97 Question Id : 7764333418 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The reason for high pressure near to the ground is

Options :

- ✘ Gravity power of the earth
- ✔ High weight of atoms

✘ Warming up the Earth

✘ Warming up the weather

Question Number : 98 Question Id : 7764333419 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

What is the time at 75° W longitude, if the time in India is 6:30 pm

Options :

✘ 8:30 a.m.

✘ 8:00 a.m.

✔ 9:30 a.m.

✘ 9:00 a.m.

Question Number : 99 Question Id : 7764333420 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Who was not inspired by the communist Revolution of Russia?

Options :

✓ Manavendra Nath Rao

✗ Bhagath Singh

✗ Jawarhlal Nehru

✗ Subash Chandra Bose

Question Number : 100 Question Id : 7764333421 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Option Orientation : Vertical Correct Marks : 1 Wrong Marks : 0

Meira paibi movement was launched for

Options :

✗ Supporting the Manipur independent Movement

✗ Against the special powers of the armed forces

✗ Supporting the human rights struggle

✓ Preventing public disorder due to alcohol abuse

