

### Question Paper Preview

**Notations :**

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

<b>Question Paper Name:</b>	PGT BIOLOGY MALE 3rd July 2018
<b>Subject Name:</b>	PGT BIOLOGY MALE
<b>Creation Date:</b>	2018-07-03 13:33:03
<b>Duration:</b>	180
<b>Total Marks:</b>	300
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine:</b>	Yes
<b>Actual Answer Key:</b>	Yes
<b>Calculator:</b>	None
<b>Magnifying Glass Required?:</b>	No
<b>Ruler Required?:</b>	No
<b>Eraser Required?:</b>	No
<b>Scratch Pad Required?:</b>	No
<b>Rough Sketch/Notepad Required?:</b>	No
<b>Protractor Required?:</b>	No

	Mental Ability
<b>Group Number :</b>	1
<b>Group Id :</b>	72305316
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	0
<b>Revisit allowed for view? :</b>	No
<b>Revisit allowed for edit? :</b>	No
<b>Break time:</b>	0
<b>Group Marks:</b>	20

	Mental Ability
<b>Section Id :</b>	72305316
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional:</b>	Mandatory
<b>Number of Questions:</b>	20
<b>Number of Questions to be attempted:</b>	20
<b>Section Marks:</b>	20
<b>Display Number Panel:</b>	Yes
<b>Group All Questions:</b>	No

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Sub-Section Id: 72305324  
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 723053312 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the missing character from the given alternatives.

AD <sub>2.5</sub>	BE <sub>3.5</sub>	CF <sub>4.5</sub>
DG <sub>5.5</sub>	EH <sub>6.5</sub>	FI <sub>7.5</sub>
GJ <sub>8.5</sub>	?	IL <sub>10.5</sub>

Options :

HK<sub>9.5</sub>

HI<sub>9.5</sub>

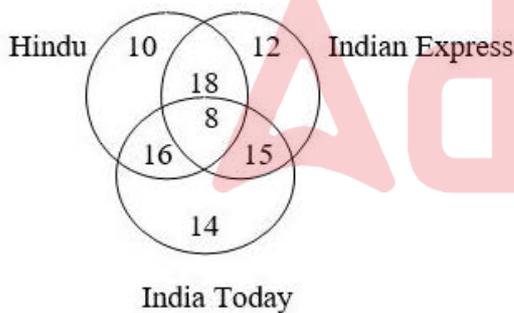
KH<sub>9.5</sub>

KL<sub>9.5</sub>

Question Number : 2 Question Id : 723053313 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Consider the following venn diagram.



The numbers in the Venn diagram indicate the number of persons reading various newspapers. The diagram is drawn after surveying 100 persons. In a population of 5,000, how many can be expected to read at least two newspapers?

Options :

2,750

2,850

2,875

2,900

Question Number : 3 Question Id : 723053314 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

You are given two statements and two conclusions. Read them carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

All bulbs are flowers.

Some flowers are leaves.

Conclusions:

I. All bulbs are leaves.

II. All leaves are flowers.

Options :

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Neither conclusion I nor II follows

Question Number : 4 Question Id : 723053315 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In a certain code, PAPER is written as QCSIW. How is HOSTEL written in the same code?

Options :

- IQUXJQ
- IQVXIR
- IQVXJR
- IQUXIR

Question Number : 5 Question Id : 723053316 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which letter will be 10<sup>th</sup> to the right of the 18<sup>th</sup> letter from the right end of the English alphabet series?

Options :

- P
- R

✓ S

✗ T

Question Number : 6 Question Id : 723053317 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Kumar walks 6 km to the east and then turns to the south to walk 2 km. He again turns to the east and walks 2 km. Next, he turns northwards and walks 8 km. How far is he now from his starting point?

Options :

✗ 8 km

✓ 10 km

✗ 10.5 km

✗ 12 km

Question Number : 7 Question Id : 723053318 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

'C \$ D' means 'C is the mother of D';

'C # D' means 'C is the father of D';

'C @ D' means 'C is the daughter of D';

Now, if P \$ Q # R @ S, then which of the following is NOT true?

Options :

✗ S is the wife of Q

✓ Q is the wife of S

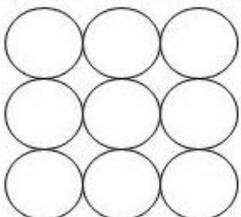
✗ R is Q's daughter

✗ P is mother-in-law of S

Question Number : 8 Question Id : 723053319 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In the following figure, if the centres of all the circles are joined by horizontal and vertical lines, then find the number of squares that can be formed is:



Options :

- 3
- 4
- 5
- 8

Question Number : 9 Question Id : 723053320 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Find the missing term in the below number series.

22, 23, 27, 36, 52, 77, 113, \_\_\_\_\_, 226

Options :

- 161
- 162
- 167
- 176

Question Number : 10 Question Id : 723053321 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Five friends — Geetha, Seetha, Preetha, Vanitha and Rani — are sitting in a circle. Seetha is sitting between Geetha and Vanitha, whereas Vanitha is sitting to Rani's right. Then, who is seated to Preetha's left?

Options :

- Geetha
- Seetha
- Rani
- Vanitha

Question Number : 11 Question Id : 723053322 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Select the option that is related to the third term in the same way the second term is related to the first term.

Assign : Allot : : Blend : \_\_\_\_\_

Options :

- Juice
- Separate
- Bend
- Mix

Question Number : 12 Question Id : 723053323 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

If BIRLA is coded as 92513 and UMPIRE is coded as 487256, then what is the code for UMBRELLA?

Options :

- 48659113
- 48956113
- 48695113
- 48959113

Question Number : 13 Question Id : 723053324 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the missing character from the given alternatives.

3	3	216
4	3	?
5	3	512

Options :

- 256
- 343
- 356
- 396

Question Number : 14 Question Id : 723053325 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Select the pair from the options that has the same relationship between the numbers as there exists between the numbers of the pair given below.

4 : 36 :: \_\_\_\_\_ : \_\_\_\_\_

Options :

2 : 8

3 : 81

5 : 49

6 : 50

Question Number : 15 Question Id : 723053326 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Read the following information carefully and answer the question given below.

$\alpha$  denotes 'greater than';

$\beta$  denotes 'less than';

$\gamma$  denotes 'not greater than';

$\delta$  denotes 'equal to';

$\mu$  denotes 'not less than';

If  $Y \delta 2Z$  and  $3Z \gamma X$ , then which of the following is true?

Options :

$Y \beta X$

$Y \delta X$

$3Y \alpha 2X$

$Y \mu 2X$

Question Number : 16 Question Id : 723053327 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Read the situation below and choose the most logical step you would take.

Your neighbour's hand is burnt while cooking food. You should:

Options :

- apply an ointment on the burn.
- tell your neighbour that she should have been more careful.
- dip her hand in water till burning sensation subsides.
- ignore the situation.

Question Number : 17 Question Id : 723053328 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Find the missing term in the below series.

ZabY, XcdW, VefU, \_\_\_\_\_, RjiQ

Options :

- SghT
- ThgS
- ShgT
- TghS

Question Number : 18 Question Id : 723053329 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Out of the four given alternatives, choose the most appropriate description about the three words given below.

BIBLE : GITA : QURAN

Options :

- All of them are written in Urdu language.
- They are the holy books.
- They teach that Hindu, Muslims and Christians are different.
- They are sacred books of a few Indians.

Question Number : 19 Question Id : 723053330 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

You are given a statement and two conclusions. Read them carefully and select the option(s) that logically follow(s) from the statement.

Statement:

'Our 'X' brand mobile phones are best in picture clarity and multiplicity of functions.' – An advertisement on TV.

Conclusions:

- I. TV has a wide range of viewers.
- II. People look for picture clarity and multiplicity of functions in a mobile phone.

Options :

- Only conclusion I follows
- Only conclusion II follows
- Either conclusion I or II follows
- Both conclusions I and II follows

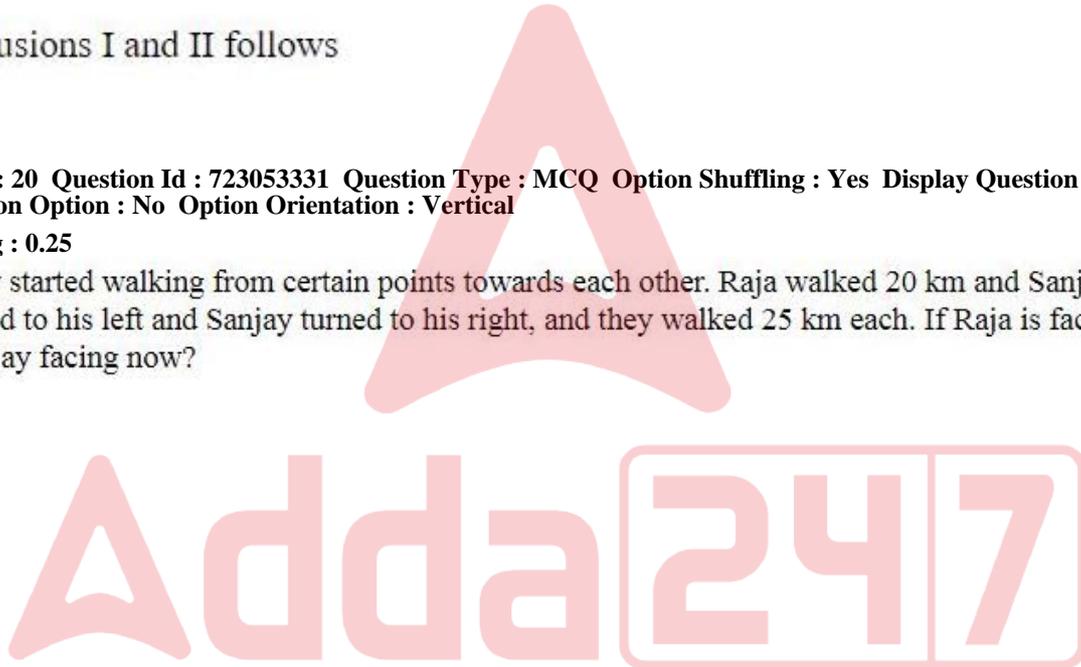
Question Number : 20 Question Id : 723053331 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Raja and Sanjay started walking from certain points towards each other. Raja walked 20 km and Sanjay walked 30 km. Then Raja turned to his left and Sanjay turned to his right, and they walked 25 km each. If Raja is facing North, which direction is Sanjay facing now?

Options :

- East
- West
- North
- South



General Awareness

Group Number :	2
Group Id :	72305317
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Section Id :	72305317
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305325
Question Shuffling Allowed :	Yes

Question Number : 21 Question Id : 723053332 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Who was the author of the famous book "Poverty and Un-British Rule in India"?

Options :

- Dadabhai Naoroji
- Subhash Chandra Bose
- Mohammad Ali Jinnah
- Madan Mohan Malaviya

Question Number : 22 Question Id : 723053333 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The Non-Cooperation Movement was discontinued by Mahatma Gandhi in 1922 because a crowd of protestors set fire to a police station at:

Options :

- Chauri Chaura
- Wardha
- Vaishali
- Sabarmati

Question Number : 23 Question Id : 723053334 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which one of the following features distinguishes Buddhism from Jainism?

Options :

- Rejection of the authority of the Vedas
- Non-injury to living beings
- Extreme form of conduct and self-mortification
- Belief in good action

Question Number : 24 Question Id : 723053335 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In which state is the Kanha National Park situated?

Options :

- Uttar Pradesh
- Madhya Pradesh
- Chhattisgarh
- West Bengal

Question Number : 25 Question Id : 723053336 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In which state is the Anantagiri Hills located?

Options :

- Andhra Pradesh
- Karnataka
- Kerala
- Telangana

Question Number : 26 Question Id : 723053337 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The Comptroller and Auditor-General of India is appointed by:

Options :

- the Prime Minister of India

- the President of India
- the Chief Justice of India
- the Vice-President of India

Question Number : 27 Question Id : 723053338 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is correct?

Options :

- The Governor dissolves the Legislative Council of a State.
- The Legislative Council of a State is dissolved after five years.
- The Legislative Council of a State is not subject to dissolution.
- The Legislative Council of a State is dissolved after six years.

Question Number : 28 Question Id : 723053339 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The Governor of a State holds office during the pleasure of:

Options :

- The Home Minister of India
- The President of India
- The Chief Minister of the concerned State
- The Attorney-General of India

Question Number : 29 Question Id : 723053340 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The statutory power for exchange control was provided to the RBI by the Foreign Exchange Regulation Act (FERA) of:

Options :

- 1923
- 1981

✘ 1963

✔ 1947

Question Number : 30 Question Id : 723053341 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which rank did India occupy in Global Optimism Index released as part of Grant Thornton's International Business Report (IBR) in the first quarter of 2018?

Options :

✔ 6

✘ 3

✘ 9

✘ 2

Question Number : 31 Question Id : 723053342 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In which state is Chapchar Kut festival celebrated?

Options :

✘ Manipur

✘ Assam

✔ Mizoram

✘ Nagaland

Question Number : 32 Question Id : 723053343 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The noted musician Arvind Parikh is associated with which of the following musical instruments?

Options :

✘ Sarod

✔ Sitar

✘ Shehnai

✘ Mridangam

Question Number : 33 Question Id : 723053344 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Who established the Darpana Academy of Performing Arts in Ahmedabad?

Options :

✘ Rukmini Devi Arundale

✔ Mrinalini Sarabhai

✘ Sonal Mansingh

✘ Yamini Krishnamurthy

Question Number : 34 Question Id : 723053345 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

How many Olympic Medals has India won in the sport of wrestling so far?

Options :

✔ 5

✘ 7

✘ 3

✘ 2

Question Number : 35 Question Id : 723053346 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Who holds the record for the “highest number of wickets” across all seasons of IPL as of April 2018?

Options :

✘ Harbhajan Singh

✘ Ravichandran Ashwin

✘ Umesh Yadav

✔ Lasith Malinga

Question Number : 36 Question Id : 723053347 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which mirror is used in the headlight of cars?

Options :

- Convex mirror
- Concave mirror
- Plane mirror
- Rectangle mirror

Question Number : 37 Question Id : 723053348 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Where is the headquarters of UNICEF located?

Options :

- New York
- Paris
- Shanghai
- London

Question Number : 38 Question Id : 723053349 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The Gobar-Dhan Scheme was launched at National Dairy Research Institute, \_\_\_\_\_.

Options :

- Karnal
- Hisar
- Ambala
- Rohtak

Question Number : 39 Question Id : 723053350 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

With whom has the Union Government of India entered into an agreement for flexible financing arrangement to accelerate research towards early development of biopharmaceuticals under National Biopharma Mission?

Options :

- UNICEF
- WHO
- IMF
- World Bank

Question Number : 40 Question Id : 723053351 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What has been set as MSP for jute per quintal for 2018-19?

Options :

- ₹ 3,500
- ₹ 3,700
- ₹ 4,200
- ₹ 3,100



Group Number :	3
Group Id :	72305318
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Arithmetic Ability

Section Id :	72305318
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	17
Number of Questions to be attempted:	17
Section Marks:	20
Display Number Panel:	Yes

Group All Questions: No

Sub-Section Number: 1  
 Sub-Section Id: 72305326  
 Question Shuffling Allowed : Yes

Question Number : 41 Question Id : 723053352 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

If the sum of eighteen consecutive positive integers is a perfect square, then the smallest possible value of the sum is:

Options :

169

225

289

324

Question Number : 42 Question Id : 723053353 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The value of  $\frac{(12.12)^2 - (8.12)^2}{(0.25)^2 + (0.25)(19.99)} \div \left(\frac{17.28 \div 12}{3.6 \times 0.02}\right)$  is:

Options :

0.4

0.6

0.8

1.2

Question Number : 43 Question Id : 723053354 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The value of  $\frac{5 + [2 + \{2 - 2(5 - 3) + 5\} - 10] \div 5}{3 + \frac{1}{6}\{29 - (20 + 3) + \frac{1}{2} \text{ of } 48\} + 4}$  lies between:

Options :

0.1 and 0.2

0.2 and 0.3

✓ 0.3 and 0.4

✗ 0.4 and 0.5

Question Number : 44 Question Id : 723053355 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

$\frac{1}{2} + \frac{1}{5} + \frac{1}{8} + \frac{1}{11} + \frac{1}{20} + \frac{1}{41} + \frac{1}{110} + \frac{1}{1640}$  is equal to:

Options :

✗ 2

✗ 1.6

✗ 1.8

✓ 1

Question Number : 45 Question Id : 723053356 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

On simplification,  $\frac{\frac{1}{5}}{\frac{1}{5} + \frac{\frac{7}{5}}{\frac{3}{9} - \frac{5}{1+\frac{2}{3}}}}$  reduces to:

Options :

✓ 9

✗  $\frac{1}{45}$

✗  $\frac{1}{9}$

✗ 45

Question Number : 46 Question Id : 723053357 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The sum and difference of LCM and HCF of two numbers are 592 and 518, respectively. If the difference of the numbers is  $x$  and their sum is 296 then the value of  $x$  is:

Options :

✗ 37

✔ 74

✘ 111

✘ 148

Question Number : 47 Question Id : 723053358 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

A person has 1323 mangoes, 2457 apples and 2835 oranges. He wants to pack them in boxes so that each box has equal number of fruits of the same kind. The least number of boxes will be:

Options :

✘ 20

✘ 28

✔ 35

✘ 54

Question Number : 48 Question Id : 723053359 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Two alloys A and B contain copper and zinc in the ratio 4 : 1 and 3 : 5, respectively. They are mixed in the ratio 9 : 4 to get a new alloy C. What is the ratio of copper and zinc in alloy C?

Options :

✘ 13 : 12

✘ 16 : 17

✘ 17 : 18

✔ 87 : 43

Question Number : 49 Question Id : 723053360 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Anil spends 90% of his salary. Suppose his salary increases by 32% and savings increase by 50%, what is the percentage increase in his expenditure?

Options :

✘ 25

✔ 30

✘ 32

✘ 36

Question Number : 50 Question Id : 723053361 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

On selling an article at 20% discount on its marked price, there is a loss of  $x\%$ . If it is sold at the marked price, then profit is 15%. What is the value of  $x$ ?

Options :

✔ 8%

✘ 9%

✘ 10%

✘ 12%

Question Number : 51 Question Id : 723053362 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

A sum of ₹ 13,600 amounts to ₹ 16,456 at compound interest in a certain time at a certain rate percent per annum. What will the same sum amount to at the same rate in half the earlier time?

Options :

✘ ₹ 14,840

✘ ₹ 14,980

✔ ₹ 14,960

✘ ₹ 15,840

Question Number : 52 Question Id : 723053363 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Three concentric circles have radii (in cm)  $a$ ,  $b$  and  $c$  where  $a < b < c$ . If  $a = 8$ ,  $b = 9$  and the middle circle bisects the area between the other two circles, then the value of  $c$  is:

Options :

✘ 7

✔  $7\sqrt{2}$

✘ 8

✘  $8\sqrt{2}$

Question Number : 53 Question Id : 723053364 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

A person rows upstream for a distance of 21 km and returns to the starting point. He completes this journey in 10 hours. If the time taken by him in going 7 km downstream is equal to the time taken in going 3 km upstream, then what is the speed of the current?

Options :

✘  $3\frac{1}{2}$  km/h

✘ 3 km/h

✔ 2 km/h

✘  $1\frac{1}{2}$  km/h

Question Number : 54 Question Id : 723053365 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

A, B and C working together can complete a task in 18 days. B takes double the time that A takes and C takes double the time that B takes to complete the task. They work together for 4 days. A alone will complete the remaining task in:

Options :

✘ 20 days

✘  $20\frac{1}{2}$  days

✘ 24 days

✔  $24\frac{1}{2}$  days

Sub-Section Number: 2  
Sub-Section Id: 72305327  
Question Shuffling Allowed : Yes

Question Id : 723053366 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension  
Questions : No

Question Numbers : (55 to 56)

Question Label : Comprehension

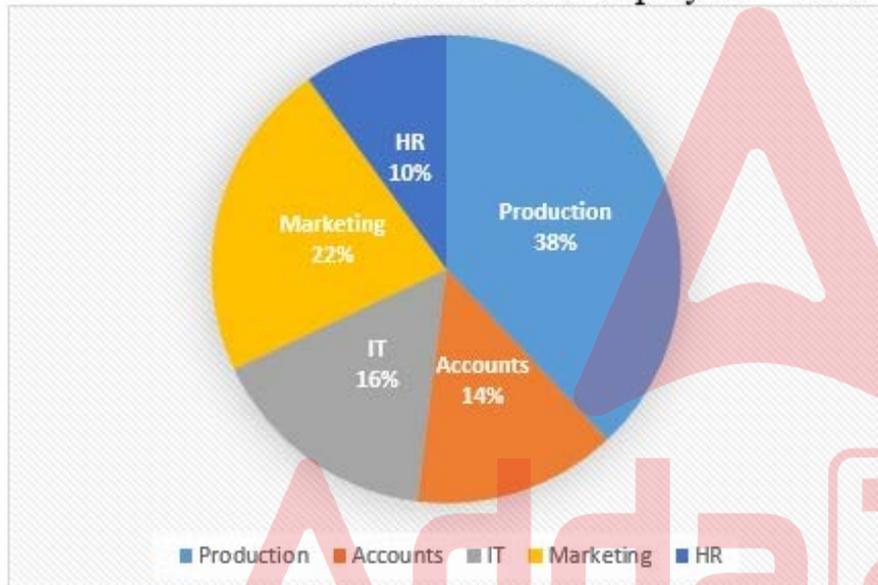
Study the following pie chart and table and answer the questions that follow.

The following table shows the respective ratio of males to females in each department of a company.

Department	Males : females
Production	11 : 8
HR	8 : 7
IT	3 : 5
Marketing	7 : 4
Accounts	2 : 5

**Percentage wise breakup of employees in various departments**

Total number of employees = 2850



Sub questions

Question Number : 55 Question Id : 723053367 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the ratio of the total number of males working in IT and marketing departments to the numbers of females working in the Production department?

Options :

- 2 : 1
- 5 : 2
- 5 : 4
- 10 : 9

Question Number : 56 Question Id : 723053368 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The total number of females working in the HR department and the total number of males working in the Accounts department forms approximately how much percent of the total number of female employees in the company?

Options :

✘ 15.8%

✘ 16.2%

✘ 16.4%

✔ 17.8%

Sub-Section Number: 3  
Sub-Section Id: 723053328  
Question Shuffling Allowed : Yes

Question Id : 723053369 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

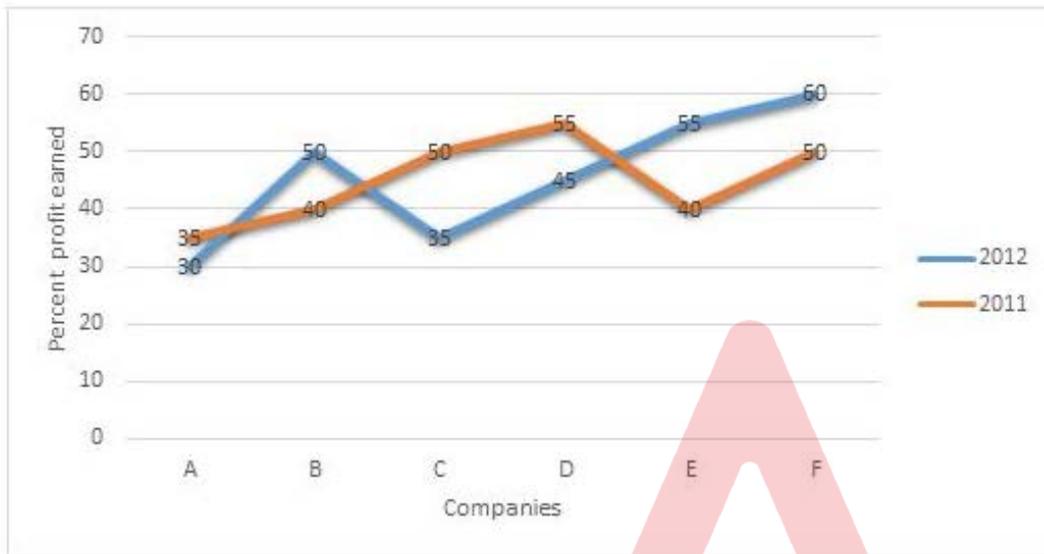
Question Numbers : (57 to 58)

Question Label : Comprehension

Study the following graph which shows percent profit earned by six companies during 2011 and 2012. And answer the questions that follow.

Profit = Income – Expenditure

$$\% \text{ profit} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$



Sub questions

Question Number : 57 Question Id : 723053370 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

If the expenditure of company E in 2011 and 2012 was the same, then what was the ratio of incomes of the company in the same years respectively?

Options :

8 : 11

9 : 10

29 : 31

28 : 31

Question Number : 58 Question Id : 723053371 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The expenditures of company A in 2011 and 2012 were ₹ 21 crores and ₹ 25 crores, respectively.

What was the total income of the company in these two years? (in crores of rupees)

Options :

✘ 60.55

✔ 60.85

✘ 70.82

✘ 70.52

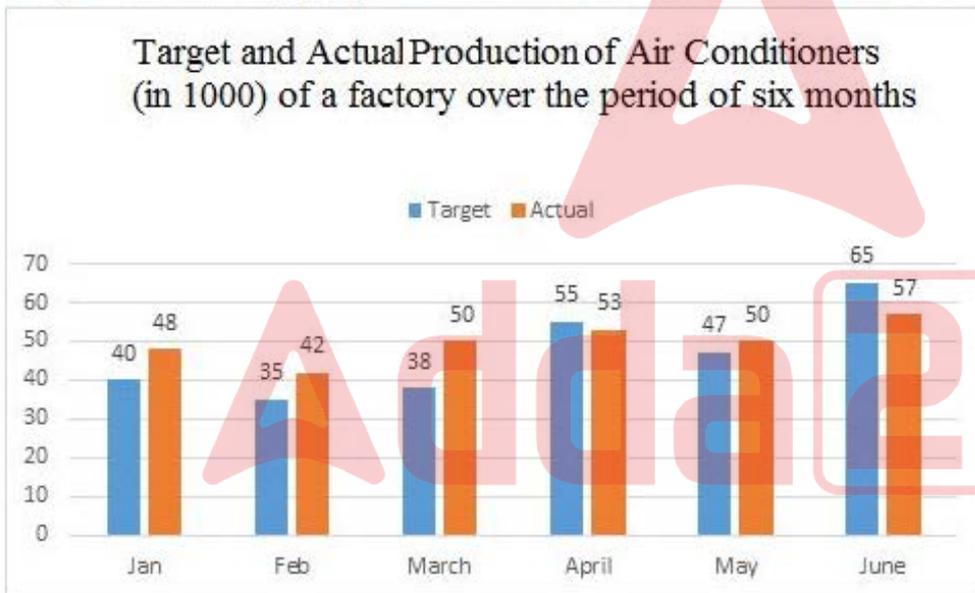
Sub-Section Number: 4  
 Sub-Section Id: 72305329  
 Question Shuffling Allowed : Yes

Question Id : 723053372 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (59 to 60)

Question Label : Comprehension

Study the following graph and answer the question that follows.



Sub questions

Question Number : 59 Question Id : 723053373 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The combined actual production of air conditioners in February and June is what percent less than the combined targeted production in January, March and May?

Options :

✘ 19.8%

✘ 20.4%

✓ 20.8%

✗ 21.2%

Question Number : 60 Question Id : 723053374 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the difference between the total targeted production for February, April and May and the actual production in thousand for January, March and June?

Options :

✓ 18

✗ 22

✗ 24

✗ 29



General English

Group Number :	4
Group Id :	72305319
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

General English

Section Id :	72305319
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	16
Number of Questions to be attempted:	16
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305330

Question Shuffling Allowed : Yes

Question Number : 61 Question Id : 723053375 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the correct synonym of:

oration

Options :

attraction

dialogue

speech

silence

Question Number : 62 Question Id : 723053376 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the appropriate antonym of:

avoid

Options :

seek

dodge

kill

discover

Question Number : 63 Question Id : 723053377 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the correct antonym of the underlined word to fill in the blank.

It looked as if the answer to the quiz question was obvious but it turned out to be \_\_\_\_\_.

Options :

persuasion

ambiguous

predictable

transparent

Question Number : 64 Question Id : 723053378 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Fill in the blank with the correct word.

The match was quite boring as we could easily predict who would be \_\_\_\_\_ winner.

Options :

an

some

the

a

Question Number : 65 Question Id : 723053379 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Fill in the blank with the appropriate word/s.

Did your college \_\_\_\_\_ in the university tournament?

Options :

are participating

participated

participating

participate

Question Number : 66 Question Id : 723053380 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Fill in the blank with the appropriate word.

On Sundays I \_\_\_\_\_ have my breakfast in bed and spend the morning relaxing with a book.

Options :

- frequently
- usually
- gradually
- rapidly

Question Number : 67 Question Id : 723053381 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In the following sentence four words or phrases have been underlined. One of them is incorrect. Choose the incorrect word or phrase from the given options.

One who desires wealth and property from God is not a devotee but a slavery of wealth and property because, to him, God is only a means to an end.

Options :

- One who desires
- not a devotee
- slavery of wealth
- means to an end

Question Number : 68 Question Id : 723053382 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In the following sentence four words or phrases have been underlined. One of them is incorrect. Choose the incorrect word or phrase from the given options.

It was a near-impossible mission, and once more fate handed me a failure when I could see the finish line and expect to win.

Options :

- once more
- handed me
- I could see
- expect to win

Question Number : 69 Question Id : 723053383 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the passive voice form of the given sentence.

My colleague and I decided we would continue our efforts to conquer the seas.

Options :

- My colleague and I decided we would be continuing our efforts to conquer the seas.
- My colleague and I decided we will continue our efforts to conquer the seas.
- It was decided by my colleague and me that we would continue our efforts to conquer the seas.
- It is decided by my colleague and me to continue our efforts to conquer the seas.

Question Number : 70 Question Id : 723053384 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the most appropriate indirect narration for the following sentence.

Ravi said, "Do you understand how difficult this job is? I need at least four team members to complete it within five days."

Options :

- Ravi said if he understands how difficult this job is? He said he needs at least four team members to complete it within five days.
- Ravi asked if he understood how difficult that job was and further said he needed at least four team members to complete it within five days.
- Ravi asked do you understand how difficult this job is? I need at least four team members to complete it within five days.
- Ravi says, "Do you understand how difficult this job is? I needed at least four team members to complete it within five days."

Question Number : 71 Question Id : 723053385 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the best option to combine the given sentences.

Ritu felt very offended. She stopped talking to her friend.

Options :

- Ritu felt so offended that she stopped talking to her friend.
- Ritu felt very offended that she stopped talking to her friend.
- Ritu felt too offended she that stopped talking to her friend.

✘ Ritu felt very offended because she stopped talking to her friend.

Question Number : 72 Question Id : 723053386 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the passage that is correctly punctuated.

Options :

✘ It was very dark and windy. Aastha saw the dark clouds and shouted Mother! It's going to rain. Let's run indoors quickly.

✘ It was very dark and windy, Aastha saw the dark clouds and shouted, "mother it's going to rain. Let's run indoors quickly."

✔ It was very dark and windy. Aastha saw the dark clouds and shouted, "Mother! It's going to rain. Let's run indoors quickly."

✘ It was very dark and windy. Aastha saw the dark clouds and shouted, "Mother! Its going to rain. Let's run indoors quickly."

Question Number : 73 Question Id : 723053387 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Choose the word that is correctly spelt.

Options :

✘ imediate

✘ grammer

✘ recieve

✔ irrelevant

Question Number : 74 Question Id : 723053388 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Fill in the blank with the appropriate idiomatic expression.

Why are you \_\_\_\_\_? You paid no heed when you were warned so many times.

Options :

✘ chicken- hearted

✘ beating about the bush

crying over spilt milk

giving yourself airs

Question Number : 75 Question Id : 723053389 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Fill in the blank with the appropriate idiomatic expression.

Virat Kohli is \_\_\_\_\_ most batsmen in the world.

Options :

hard and fast

head and shoulders above

keeping an eye on

leaving no stone unturned

Sub-Section Number:

2

Sub-Section Id:

72305331

Question Shuffling Allowed :

Yes

Question Id : 723053390 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension  
Questions : No

Question Numbers : (76 to 80)

Question Label : Comprehension

Read the following passage and answer the questions based on it.

My only work is to give you a clear-cut idea how you can become more conscious; I call it meditation. Working, walking, sitting. . . . I don't believe what others call meditation; that for ten minutes or 20 minutes you do it and then just be your ordinary self for 24 hours and again meditate for 20 minutes. It is like asking a person to breathe every day for 20 minutes and then forget all about it, because the person has to do many other things! And then next day she/he can breathe again in the morning! To me meditation is exactly like breathing. So whatsoever you are doing and wherever you are, do it more consciously.

Just try for few minutes to walk consciously; be alert at each step and you will be surprised that the quality of your walk is totally different. It is relaxed. There is no tension and there is a subtle joy that is arising out of your relaxed walking. And the more you become aware of this joy, the more you would like to be awake.

Eat with awareness. Thirty million people in America are suffering from overeating. Strange world we are living in; men are dying every day in Ethiopia because they don't have food, and millions are dying in America because they have too much food. These people who are suffering from obesity cannot resist eating. No doctor is going to help them, unless they become aware, while they are eating. They have to be aware that a man of awareness eats only as much as his body needs. He immediately feels that now there is no need, the hunger is gone, he is content.

#### Sub questions

Question Number : 76 Question Id : 723053391 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

Complete the sentence by choosing a suitable option.

The writer believes that meditation \_\_\_\_\_.

Options :

- is a process that requires consciousness
- can be done only when you are walking
- needs to be done for only 20 minutes a day
- must be done many times during the day

Question Number : 77 Question Id : 723053392 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

Choose the most suitable option to complete the sentence given below.

When meditation is done with awareness, it:

Options :

- makes you a forgetful person.
- is painful and tedious.
- is quite time consuming.
- gives a great deal of satisfaction.

Question Number : 78 Question Id : 723053393 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

Choose the most suitable option to answer the question given below.

What is the irony of life mentioned by the writer?

Options :

- Many Americans are dying due to overeating
- While some people die of hunger, others die of overeating
- Many people are dying in Ethiopia
- Awareness is essential but it has no effect

Question Number : 79 Question Id : 723053394 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

Choose the most suitable option to answer the question given below.

What should you NOT do if you are obese?

Options :

- Consult a doctor
- Be led by your love for food

- ✘ Eat only what your body needs
- ✘ Resist eating too much

Question Number : 80 Question Id : 723053395 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

One who is \_\_\_\_\_ is an aware person.

Options :

- ✘ terribly overweight
- ✔ always alert
- ✘ always tense
- ✘ eats unconsciously

General Hindi

Group Number :	5
Group Id :	72305320
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

General Hindi

Section Id :	72305320
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	16
Number of Questions to be attempted:	16
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305332
Question Shuffling Allowed :	Yes

Question Id : 723053396 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (81 to 85)

Question Label : Comprehension

निम्नलिखित गद्यांश को ध्यानपूर्वक पढ़कर पूछे गए प्रश्नों के उत्तर दीजिये।

हम एक ऐसे युग में जी रहे हैं, जहाँ एक तरफ भौतिक समृद्धि अपनी ऊँचाई पर है, तो दूसरी तरफ चारित्रिक पतन की गहराई है। आधुनिकीकरण में उलझा मानव सफलता की नित नई परिभाषाएँ खोजता रहता है अपनी अंतहीन इच्छाओं के रेगिस्तान में भटकता रहता है। ऐसे समय में सच्ची सफलता और सुख-शांति की प्यास से व्याकुल व्यक्ति अनेक मानसिक रोगों का शिकार बनता जा रहा है। हमसे कितने लोगों को इस बात का ज्ञान है की जीवन में सफलता प्राप्त करना और सफल जीवन जीना, यह दोनों अलग-अलग बातें हैं! यह ज़रूरी नहीं कि जिसने अपने जीवन में साधारण कामनाओं को हासिल कर लिया हो, वह पूर्णतः संतुष्ट और प्रसन्न भी हो। अतः हमें गंभीरतापूर्वक इस बात को समझना चाहिए कि इच्छित फल को प्राप्त कर लेना ही सफलता नहीं है। जब तक हम अपने जीवन में नैतिक व आध्यात्मिक मूल्यों का सिंचन नहीं करेंगे, तब तक यथार्थ सफलता पाना हमारे लिए मुश्किल ही नहीं, अपितु असंभव कार्य हो जाएगा, क्योंकि बिना मूल्यों के प्राप्त सफलता केवल क्षणभंगुर सुख के समान रहती है। कुछ निराशावादी लोगों का कहना है कि हम सफल नहीं हो सकते, क्योंकि हमारी तकदीर या परिस्थितियाँ ही ऐसी हैं। परंतु यदि हम अपना ध्येय निश्चित करके उसे अपने मन में बिठा लें, तो फिर सफलता स्वयं हमारी ओर चलकर आएगी। सफल होना हर मनुष्य का जन्मसिद्ध अधिकार है, परंतु यदि हम अपनी विफलताओं के बारे में ही सोचते रहेंगे, तो सफलता को कभी हासिल नहीं कर पाएँगे। अतः विफलताओं की चिंता न करें, क्योंकि वे तो हमारे जीवन का सौंदर्य है और संघर्ष जीवन का काव्य है, कई बार प्रथम आघात में पत्थर नहीं टूट पाता, उसे तोड़ने के लिए आघात करने पड़ते हैं, इसलिए सदैव अपने लक्ष्य को सामने रख आगे बढ़ने की जरूरत है। कहा भी गया है कि जीवन में सकारात्मक कोशिश करने वालों की कभी हार नहीं होती।

Sub questions

Question Number : 81 Question Id : 723053397 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

यथार्थ सफलता मिलती है:

Options :

- ✘ इच्छाओं की पूर्ति से
- ✘ आधुनिकीकरण की प्रवृत्ति से
- ✘ भौतिक समृद्धि से
- ✔ नैतिक मूल्यों को अपनाने से

Question Number : 82 Question Id : 723053398 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

चारित्रिक पतन का कारण है:

Options :

- ✔ अंतहीन इच्छाएँ
- ✘ नैतिक मूल्यों को महत्व देना
- ✘ आध्यात्मिक चिंतन
- ✘ प्रगतशील विचार

Question Number : 83 Question Id : 723053399 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

परस्थितियों को असफलता का कारण मानते हैं:

Options :

- ✘ श्रमशील लोग
- ✘ ध्येयनिष्ठ व्यक्ति
- ✔ निराश लोग
- ✘ कर्मरत लोग

Question Number : 84 Question Id : 723053400 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

दृढनिश्चय वाले लोग पा लेते हैं:

Options :

- सफलता
- हताशा
- निराशा
- विफलता

Question Number : 85 Question Id : 723053401 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

'पत्थर तोड़ने के लिए कई आघात करने पड़ते हैं'  
का आशय है:

Options :

- निरंतर चोट खाते रहना।
- निरंतर श्रम करते रहना।
- निरंतर सहायतार्थ पुकारना।
- निरंतर पत्थर तोड़ते रहना।

Sub-Section Number: 2  
Sub-Section Id: 72305333  
Question Shuffling Allowed : Yes

Question Number : 86 Question Id : 723053402 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित में से 'तत्सम' शब्द की पहचान करें।

Options :

- व्याह
- साँस

✓ मनुष्य

✗ सात

Question Number : 87 Question Id : 723053403 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित में से कौन सा शब्द तद्भव है?

Options :

✗ मित्र

✗ शाक

✗ सूत्र

✓ मुँह

Question Number : 88 Question Id : 723053404 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

'सदधर्म' शब्द में कौन-सा समास है?

Options :

✓ कर्मधारय

✗ तत्पुरुष

✗ बहुव्रीहि

✗ द्वन्द्व

Question Number : 89 Question Id : 723053405 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

'उज्ज्वल' का संधि विच्छेद होगा:

Options :

✗ उज्+ज्वल

✓ उत्+ज्वल

✘ उद+ज्वल

✘ उत्+ज्वल

Question Number : 90 Question Id : 723053406 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

'माली' शब्द का बहुवचन (अभिभक्ति) होगा:

Options :

✔ माली

✘ मालिया

✘ मालिँ

✘ मालियों

Question Number : 91 Question Id : 723053407 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

सदा बहुवचन में प्रयुक्त होने वाला शब्द है:

Options :

✘ गीत

✘ सब्जी

✔ दर्शन

✘ वेद

Question Number : 92 Question Id : 723053408 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित में से भाववाचक संज्ञा शब्द की पहचान करें।

Options :

✘ नुकीला

✔ क्रोध

✘ शूर

✘ घर

Question Number : 93 Question Id : 723053409 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

‘मित्र’ शब्द का पर्यायवाची शब्द नहीं है:

Options :

✔ सखा

✘ गीत

✘ सहपाठी

✘ दोस्त

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Question Number : 94 Question Id : 723053410 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

‘दुराचार’ शब्द का विलोम है:

Options :

✘ कदाचार

✔ सदाचार

✘ अपचार

✘ अविचार

Question Number : 95 Question Id : 723053411 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

‘जिसमे संदेह न हो’ उसे कहते हैं:

Options :

✘ संदिग्ध

✔ असंदिग्ध

✘ आंत

✘ अनिर्णीत

Question Number : 96 Question Id : 723053412 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित में से कौन-सा शब्द स्त्रीलिंग है?

Options :

✘ मात

✔ बात

✘ गात

✘ दांत

Question Number : 97 Question Id : 723053413 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित में से कौन-सा शब्द पुलिंग है?

Options :

✔ बहाव

✘ भौंह

✘ उलझन

✘ चमक

Question Number : 98 Question Id : 723053414 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

निम्नलिखित वाक्यों मेंसे शुद्धवाक्य को छांटिए:

Options :

✘ फलों का रस मेरे को नहीं पीना।

✔ आज हमारे घर बहुत मेहमान आएँगे।

- ✘ उसे पैसे निकालने चाहिएँ।
- ✘ मेरे को इसका उत्तर नहीं आता।

Question Number : 99 Question Id : 723053415 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

‘बांसों उछालना’ मुहावरे का अर्थ होता है:

Options :

- ✘ उछल कर चढ़ना
- ✘ पागल हो जाना
- ✔ प्रसन्न होना
- ✘ बांस की सहायता से ऊपर उठना

Question Number : 100 Question Id : 723053416 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

‘इस हाथ दे उस हाथ ले’ लोकोक्ति का अर्थ है:

Options :

- ✔ लेने का देना
- ✘ लाभ कमाना
- ✘ हैरान रह जाना
- ✘ चालाकी से काम निकालना

Subject Related

Group Number :	6
Group Id :	72305321
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

	Subject Related
Section Id :	72305321
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305334
Question Shuffling Allowed :	Yes

Question Number : 101 Question Id : 723053417 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to the maximum volume of air a person can breathe-in after a forced expiration?

Options :

- Total lung capacity
- Inspiratory capacity
- Vital capacity
- Inspiratory reserve volume

Question Number : 102 Question Id : 723053418 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

At what pH value, a basic amino acid has its isoelectric point?

Options :

- At pH = 7
- At pH < 7
- At pH > 7
- At pH = 6.8

Question Number : 103 Question Id : 723053419 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the basis of molecular technique called therapeutic cloning?

Options :

- Two somatic cells are made to hybridize
- A hybrid is produced by sexual means
- Somatic cell nucleus is transferred to an ovum
- Nucleus of a gamete is artificially introduced to an ovum

Question Number : 104 Question Id : 723053420 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the outcome when a single unfertilized egg splits before fertilization and is then fertilized by separate sperms?

Options :

- Identical twins
- Half-identical twins
- Dizygotic twins
- Fraternal twins

Question Number : 105 Question Id : 723053421 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In enzyme classification, enzyme "DNA gyrase" belongs to which of the following classes?

Options :

- Ligase
- Hydrolase
- Ubiquitin
- Isomerase

Question Number : 106 Question Id : 723053422 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following molecules results in maternal gene effect when present in cytoplasm before zygotic gene expression?

Options :

- Mitochondrial DNA
- RNA and proteins
- Only proteins
- Only RNA

Question Number : 107 Question Id : 723053423 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following does not determine exchange of gases between alveoli and blood?

Options :

- Partial pressure gases in blood
- Solubility of gases
- Thickness of the cell membranes involved in between
- Partial pressure of gases in atmosphere

Question Number : 108 Question Id : 723053424 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Gastric intrinsic factor (GIF) is secreted by which cells of the gastric gland?

Options :

- Parietal cells
- Chief cells
- G-cells
- Foveolar cells

Question Number : 109 Question Id : 723053425 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is a "facet" in skeletal system?

Options :

- Tube-like opening
- Smooth, flat articular surface
- Shallow depression
- Sharp, slender projection

Question Number : 110 Question Id : 723053426 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following formed elements of blood do not have a nuclei?

Options :

- Platelets
- Neutrophils
- Eosinophils
- Basophils

Question Number : 111 Question Id : 723053427 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Erythroblastosis fetalis is a fatal condition seen in second child of mothers with which of the following blood group?

Options :

- B positive
- O positive
- AB negative
- AB positive

Question Number : 112 Question Id : 723053428 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is "HbA1c"?

Options :

- Adult hemoglobin 1

- Glycated hemoglobin A
- Sulfated hemoglobin
- Methylated hemoglobin

Question Number : 113 Question Id : 723053429 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following diseases is associated with reduced "Lung Compliance"?

Options :

- Restrictive lung disorder
- Obstructive lung disorder
- Asthma
- Bronchitis

Question Number : 114 Question Id : 723053430 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following sexually transmitted diseases is not curable?

Options :

- Chlamydia
- Genital Herpes
- Syphilis
- Gonorrhoea

Question Number : 115 Question Id : 723053431 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a condition where rapid muscular spasms occur due to low  $\text{Ca}^{2+}$  in body fluid?

Options :

- Wave summation
- Muscle fatigue

Tetany

Rigor mortis

Question Number : 116 Question Id : 723053432 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following conditions is a progressive degeneration of skeletal muscle, mostly due to genetic disorder?

Options :

Myasthenia gravis

Muscular dystrophy

Gouty arthritis

Rheumatism

Question Number : 117 Question Id : 723053433 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following functions is not regulated by thyroid hormones?

Options :

Basal metabolic rate

Blood calcium levels

Synthesis of Vitamin D

Metabolism of carbohydrates

Question Number : 118 Question Id : 723053434 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following birth control measures can prevent conception even after fertilization?

Options :

Condoms

Emergency contraceptive pills

Tubal ligation

✓ Mifepristone

Question Number : 119 Question Id : 723053435 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following does not work as second messenger in cell signaling?

Options :

✗ Inositol triphosphate

✗ cGMP

✗ Ca<sup>2+</sup>

✓ Cholesterol

Question Number : 120 Question Id : 723053436 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the name given to a centre for the preservation of dried specimen of plants?

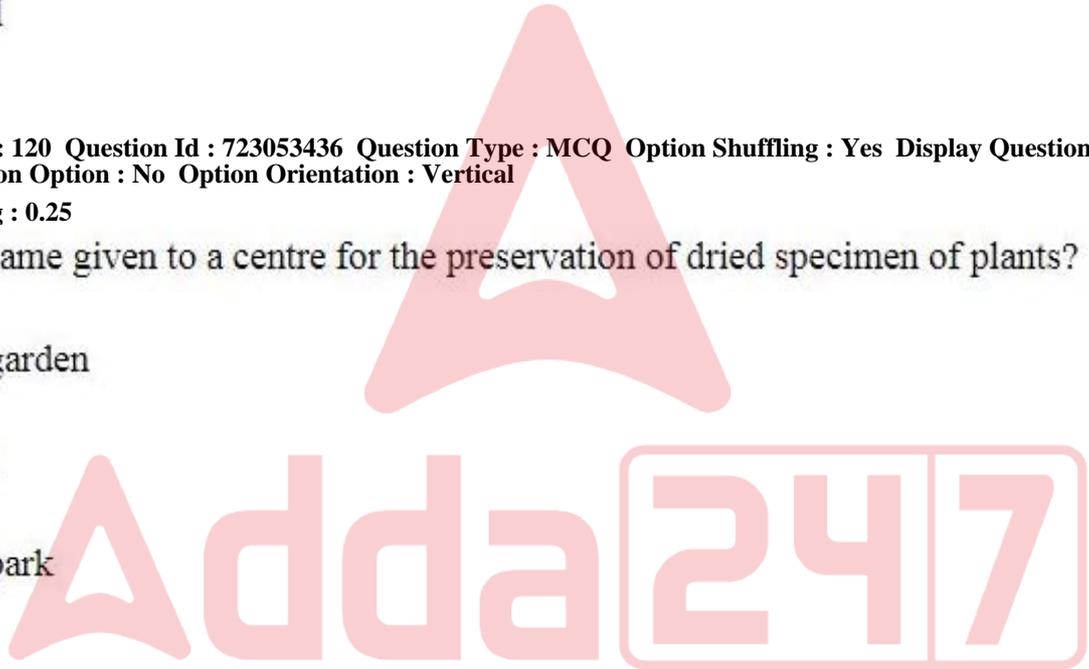
Options :

✗ Botanical garden

✓ Herbarium

✗ Botanical park

✗ Museum



Subject Related

Group Number :	7
Group Id :	72305322
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Subject Related

Section Id :	72305322
Section Number :	1

Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305335
Question Shuffling Allowed :	Yes

Question Number : 121 Question Id : 723053437 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In muscle physiology, what is the term given to the larger contractions resulting from stimuli arriving at different times?

Options :

- Muscle fatigue
- Unfused tetanus
- Wave summation
- Muscle tone

Question Number : 122 Question Id : 723053438 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following plant fatty acids is used to synthesize "Omega 3" fats in animals?

Options :

- Linoleic acid
- Alpha-linolenic acid
- Oleic acid
- Palmitoleic acid

Question Number : 123 Question Id : 723053439 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to signal build up due to repeated release of neurotransmitter by single presynaptic end bulb in nervous tissue?

Options :

- Spatial summation
- Temporal summation
- Graded depolarizing potential
- Graded hyperpolarizing potential

Question Number : 124 Question Id : 723053440 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following takes place under influence of Dihydrotestosterone (DHT) during embryonic development?

Options :

- Development of wolffian duct
- Development of seminal vesicle
- Development of external genitalia
- Masculinization of brain

Question Number : 125 Question Id : 723053441 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an example of homologous organs?

Options :

- Mouth parts of insects
- Wings of birds and insects
- Vestigial organs
- Wings of birds and bats

Question Number : 126 Question Id : 723053442 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following taxons is not a phylum?

Options :

- Vertebrata

- ✘ Arthropoda
- ✘ Aschelhelminthes
- ✘ Echinodermata

Question Number : 127 Question Id : 723053443 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Presence of which of the following is not a characteristic of Ctenophores?

Options :

- ✘ Colloblasts
- ✘ Larval forms
- ✔ Polymorphism
- ✘ Mesoglea

Question Number : 128 Question Id : 723053444 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In human male fertility disorders, which of the following conditions is termed as "Asthenospermia"?

Options :

- ✘ Dead sperm
- ✘ Undescended testis
- ✔ Slow moving sperm
- ✘ Defective testicular vein

Question Number : 129 Question Id : 723053445 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The establishment of mature milk supply from mammary glands is referred to as:

Options :

- ✘ Mammogenesis
- ✔ Galactopoiesis

- ✘ Involution
- ✘ Lactogenesis

Question Number : 130 Question Id : 723053446 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following germ layers contributes to the formation of genital system?

Options :

- ✘ Mesoderm only
- ✘ Mesoderm and endoderm
- ✘ Mesoderm and ectoderm
- ✓ Endoderm, mesoderm and ectoderm

Question Number : 131 Question Id : 723053447 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is not a feature of small intestine?

Options :

- ✘ Plicae circulares
- ✓ Presence of taeniae coli
- ✘ Numerous villi
- ✘ Presence of Goblet cells

Question Number : 132 Question Id : 723053448 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In general, which of the following is the genetic composition of bacteriophage?

Options :

- ✓ ds DNA
- ✘ ds RNA
- ✘ ss RNA

✘ ss DNA

Question Number : 133 Question Id : 723053449 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In humans, what is the term used to describe the development of mammary glands in males?

Options :

✘ Polythelia

✔ Gynecomastia

✘ Thelarche

✘ Polycythemia

Question Number : 134 Question Id : 723053450 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following hormones is secreted by placenta with structure and function similar to Luteinizing hormone (LH)?

Options :

✘ hPL

✔ hCG

✘ Progesterone

✘ Relaxin

Question Number : 135 Question Id : 723053451 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What are ependymal cells?

Options :

✘ Macrophages of CNS

✔ Cells surrounding CSF filled ventricles in brain

✘ Site of protein synthesis in neurons

✘ Most abundant cell types in CNS

Question Number : 136 Question Id : 723053452 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

If the plasma, glucose concentration is 70 mg/100 ml and GFR is 120 ml/min, then how much glucose will be filtered and excreted out per min?

Options :

- 108 mg/min, will be excreted out at the same rate
- 84 mg/min, no glucose will excreted out
- 90 mg/min, 25 mg/min
- 120 mg/min, almost zero mg

Question Number : 137 Question Id : 723053453 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the full form of the term GIFT, used in assisted reproductive technology?

Options :

- Gamete in the fallopian tube
- Gamete intrafallopian tube transfer
- Gamete in fallopian tube transfer
- Gamete inside fallopian tube

Question Number : 138 Question Id : 723053454 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the effect of 2, 3 bisphosphoglycerate (BPG) binding with hemoglobin?

Options :

- Decreased O<sub>2</sub> affinity for hemoglobin
- Increased O<sub>2</sub> affinity for hemoglobin
- No effect on O<sub>2</sub> binding
- Increased CO<sub>2</sub> affinity for hemoglobin

Question Number : 139 Question Id : 723053455 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Ozone hole over Antarctica is due to which of the following pollutants?

Options :

- Sulfur oxides
- Nitrogen oxides
- Phosphates
- Chlorofluorocarbons

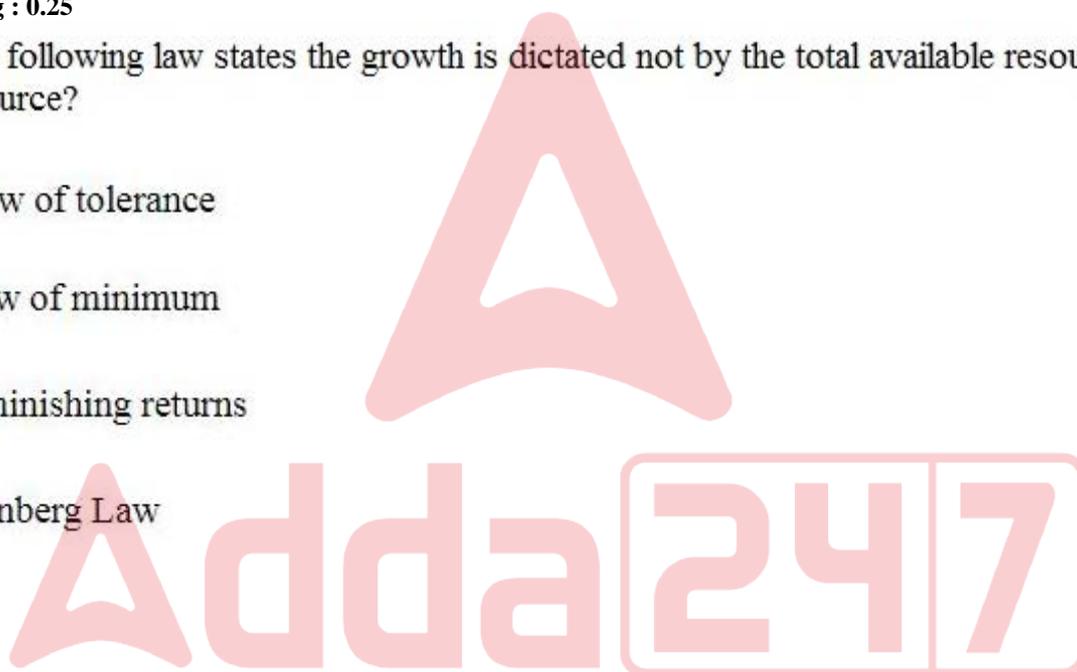
Question Number : 140 Question Id : 723053456 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following law states the growth is dictated not by the total available resources but by the scarcest resource?

Options :

- Shelford law of tolerance
- Liebig's law of minimum
- Law of diminishing returns
- Hardy Weinberg Law



Subject Related

Group Number :	8
Group Id :	72305323
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Subject Related

Section Id :	72305323
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20

Section Marks: 20  
Display Number Panel: Yes  
Group All Questions: No

Sub-Section Number: 1  
Sub-Section Id: 72305336  
Question Shuffling Allowed : Yes

Question Number : 141 Question Id : 723053457 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In ZIFT, up to what cleavage stage, the fertilized ovum can be transferred in fallopian tube?

Options :

- First cleavage
- Second cleavage
- Third cleavage
- Fourth cleavage

Question Number : 142 Question Id : 723053458 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a copper releasing intra uterine device (IUD)?

Options :

- Vaults
- Multiload 375
- Progestasert
- LNG-20

Question Number : 143 Question Id : 723053459 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the major cause of "Emphysema"?

Options :

- Bacterial infection
- Auto immunity

✓ Cigarette smoking

✗ Gene mutation

Question Number : 144 Question Id : 723053460 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Who invented the technique of test tube fertilization in angiosperms?

Options :

✗ G. N. Ramachandran

✓ Panchanan Maheshwari

✗ Deonarayan Misra

✗ W. G. Rosen

Question Number : 145 Question Id : 723053461 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a reason of plateau in the fourth phase of Sigmoid growth curve?

Options :

✓ Resource limitation

✗ Birth rate is equal to death rate

✗ Saturation of reproductive capacity

✗ Increased death rate

Question Number : 146 Question Id : 723053462 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In an ecological succession, which of the following is generally a “k-selected” species?

Options :

✓ Climax species

✗ Pioneer species

✗ Seral stage species

## ✘ Sustaining species

Question Number : 147 Question Id : 723053463 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In algae, fusion between one large, non-motile female gamete and a smaller motile male gamete is termed as:

Options :

✘ Isogamous

✘ Anisogamous

✔ Oogamous

✘ Homogamous

Question Number : 148 Question Id : 723053464 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Enzyme glucose oxidase is commonly used in glucose estimation. It is derived from which of the following organisms?

Options :

✔ Fungi

✘ Algae

✘ Pig

✘ Rat

Question Number : 149 Question Id : 723053465 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following metabolite formations is common in the catabolic pathway of fats, proteins and carbohydrates?

Options :

✘ Pyruvate

✔ Acetyl CoA

✘ Glucose

✘ Glycerol

Question Number : 150 Question Id : 723053466 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Prokaryotes, unicellular, with or without a cell wall are characteristic features of which of the following kingdoms?

Options :

Monera

Fungi

Animalia

Protista

Question Number : 151 Question Id : 723053467 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Bilateral true coelomates, with body-segmentation-like rings, are characteristic features of which of the following phylums?

Options :

Chordata

Annelida

Aschelhelminthes

Hemichordata

Question Number : 152 Question Id : 723053468 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is not a form of stored food in algae?

Options :

Mannitol

Laminarin

Floridean

Algin

Question Number : 153 Question Id : 723053469 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to a group of species that can survive fire by the activation of dormant vegetative buds to produce regrowth?

Options :

- Shredders
- Guild
- Resprouting species
- Sibling species

Question Number : 154 Question Id : 723053470 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a natural physiological condition that results in decline in number of ovarian eggs and drop in the levels of ovarian hormones?

Options :

- Hypopituitarism
- Reproductive aging
- Ovarian cancer
- Hypothyroidism

Question Number : 155 Question Id : 723053471 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Creatine kinase catalyzing creatine and ATP to form creatine phosphate and ADP is an example of which type of reaction?

Options :

- Ping-pong reaction
- Sequential bi-substrate reaction
- Random sequential reaction
- Oxidation reduction reaction

Question Number : 156 Question Id : 723053472 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following reactions is catalyzed by non-protein enzyme?

Options :

- Removal of oxygen from substrate
- Hydrolysis of phosphodiester bonds in RNA
- Hydrolysis of protein
- Hydroxylation of steroids

Question Number : 157 Question Id : 723053473 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In non-chordates, the nerve cord is:

Options :

- Altogether absent
- Ventral, solid and double
- Is dorsal, hollow and single
- Ventral, hollow and single

Question Number : 158 Question Id : 723053474 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following plants has diplontic life cycle?

Options :

- Laminaria
- Fucus
- Polysiphonia
- Volvox

Question Number : 159 Question Id : 723053475 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What will happen to the enzyme activity with gradual decrease in its optimum temperature?

Options :

- ✘ It will increase
- ✔ It will decrease
- ✘ It will first increase then decrease
- ✘ It will first decrease then increase

Question Number : 160 Question Id : 723053476 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical  
 Correct : 1 Wrong : 0.25

Which of the following is considered in five kingdom classification by Whittaker?

Options :

- ✘ Lichens
- ✔ Mycoplasma
- ✘ Virus
- ✘ Viroid

	Subject Related
Group Number :	9
Group Id :	72305324
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

	Subject Related
Section Id :	72305324
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number: 1  
Sub-Section Id: 72305337  
Question Shuffling Allowed : Yes

Question Number : 161 Question Id : 723053477 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following features is not considered for the natural classification system of plants by Bentham and Hooker?

Options :

- Plant anatomy
- Plant genome
- Plant ultrastructure
- Plant embryology

Question Number : 162 Question Id : 723053478 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

“Carrageenan” is obtained from which of the following?

Options :

- Laminaria
- Gigartina
- Saraggasum
- Fucus

Question Number : 163 Question Id : 723053479 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is not a biological oxidoreductase?

Options :

- Nitrogenase
- Malate dehydrogenase
- Pyruvate carboxylase
- Peroxidase

Question Number : 164 Question Id : 723053480 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following epithelial tissues lines the lung alveoli?

Options :

- Simple cuboidal
- Simple squamous
- Ciliated simple columnar
- Stratified columnar

Question Number : 165 Question Id : 723053481 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

During programmed cell death, a cell does not undergo which one of the following physiological changes?

Options :

- Chromatin condensation
- Caspase activation
- Cellular content leakage to extracellular fluid
- Blebbing

Question Number : 166 Question Id : 723053482 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

During meiosis I anaphase, spindle fibers from opposite poles attach the kinetochore to separate:

Options :

- Sister chromatids
- Non-homologous chromosomes
- Homologous chromosomes
- Non sister chromatids

Question Number : 167 Question Id : 723053483 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following viruses will evolve faster than others?

Options :

- ds DNA virus
- ss DNA virus
- RNA virus
- RNA virus with short life span

Question Number : 168 Question Id : 723053484 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a sex limited trait?

Options :

- Pattern of baldness
- Beard development in males
- Breast development in males
- Color blindness

Question Number : 169 Question Id : 723053485 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to a chromosomal aberration, where a segment of chromosome is turned around  $180^\circ$  within a chromosome, excluding centromere?

Options :

- Paracentric inversion
- Pericentric inversion
- Diacentric inversion
- Acentric inversion

Question Number : 170 Question Id : 723053486 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an aggregate fruit?

Options :

Strawberries

Pineapple

Jackfruit

Tomato

Question Number : 171 Question Id : 723053487 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a plant hemoglobin?

Options :

Hemoglobin S

Hemoglobin M

Leghemoglobin

Hemoglobin A1c

Question Number : 172 Question Id : 723053488 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In a Hardy Weinberg population, what will be the frequency of individual with genotype "aa" if frequency of allele "A" is 0.7?

Options :

0.90

0.09

0.49

0.42

Question Number : 173 Question Id : 723053489 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the first carboxylation product of C<sub>4</sub> plants?

Options :

3-phosphoglyceric acid

- Maleic acid
- Phosphoglyceraldehyde
- Oxaloacetic acid

Question Number : 174 Question Id : 723053490 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The mesenchyme is an embryonic tissue that primarily gives rise to which of the following tissues in adults?

Options :

- Connective tissue
- Epithelial tissue
- Neural tissue
- Muscular tissue

Question Number : 175 Question Id : 723053491 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following modifications of DNA is the reason of “genomic imprinting”?

Options :

- Glycosylation
- Sialylation
- Methylation
- Acylation

Question Number : 176 Question Id : 723053492 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What will be the type of mutation if “U” is replaced with “A” at 9<sup>th</sup> position in the sequence AUGAAGUUUGGC?

Options :

- Transition mutation
- Transversion mutation

✘ Frameshift mutation

✘ Inversion

Question Number : 177 Question Id : 723053493 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an autosomal dominant disorder?

Options :

✘ Red-green color blindness

✘ G6PD deficiency

✘ Hemophilia

✔ Achondroplasia

Question Number : 178 Question Id : 723053494 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following environmental factors plays an important role in sex determination in reptiles?

Options :

✘ Humidity

✔ Temperature

✘ Rainfall

✘ Carbon dioxide concentration in air

Question Number : 179 Question Id : 723053495 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What will be the relative rate of transpiration, with respect to humidity in soil and air, when soil is wet and atmosphere is dry?

Options :

✔ Maximum

✘ Minimum

✘ Moderate

✘ Below average

Question Number : 180 Question Id : 723053496 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following provides evidence for evolution of Homo sapiens?

Options :

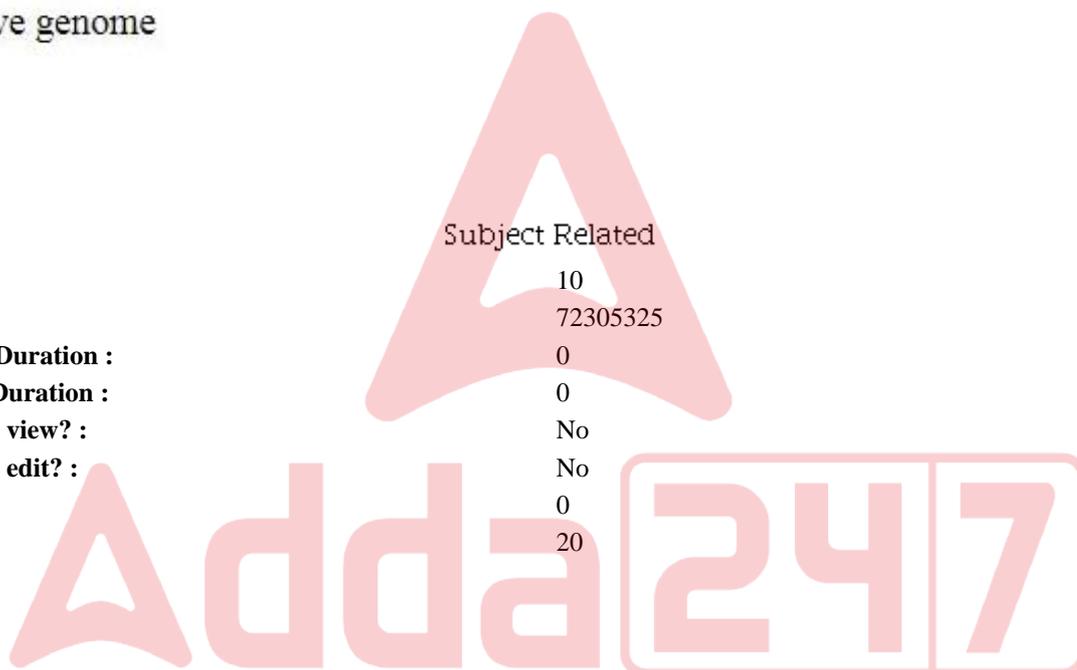
✘ Comparative anatomy

✘ Comparative biochemistry

✔ Fossil records

✘ Comparative genome

Group Number :	10
Group Id :	72305325
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20



	Subject Related
Section Id :	72305325
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305338
Question Shuffling Allowed :	Yes

Question Number : 181 Question Id : 723053497 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following cell junctions are absent at intercalated discs?

Options :

- Tight junctions
- Adhering and Gap junctions
- Desmosomes
- Desmosomes, Adhering and Gap junctions

Question Number : 182 Question Id : 723053498 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following statements is correct with regard to nervous system of earthworm?

Options :

- Nerve cord is single and present ventrally
- Nerve cord bifurcates at the anterior region
- Ganglia are located at the interface of two body segments
- Anterior nerve ring does not include cerebral ganglion

Question Number : 183 Question Id : 723053499 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to the water loss by plants in its liquid phase?

Options :

- Guttation
- Transpiration
- Diffusion
- Root pressure

Question Number : 184 Question Id : 723053500 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following events stimulates Cdk1 enzyme activity?

Options :

- Dephosphorylation at Thr 161
- Phosphorylation at Tyr14 and Tyr 15
- Dephosphorylation at Tyr14 and Tyr15
- Dissociation with cyclin

Question Number : 185 Question Id : 723053501 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Deforestation results in an increase in which of the following factors?

Options :

- Biodiversity
- Soil erosion
- Soil fertility
- Rainfall

Question Number : 186 Question Id : 723053502 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following hormones can increase internodal length of genetically dwarf plants?

Options :

- Abscissic acid
- Auxin
- Gibberellic acid
- Cytokinin

Question Number : 187 Question Id : 723053503 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following molecular aspects was/were known even before the chromosomal theory of inheritance given by Sutton and Boveri in year 1902?

Options :

- Linkage

✓ Mendelian laws of inheritance

✗ DNA structure

✗ Genetic recombination

Question Number : 188 Question Id : 723053504 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

How many genetically different gametes are possible by an individual of genotype AaBbCc?

Options :

✓ 8

✗ 64

✗ 16

✗ 36

Question Number : 189 Question Id : 723053505 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following plants does not show Kranz anatomy?

Options :

✓ Sugarcane

✗ Wheat

✗ Maize

✗ Rice

Note: For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

Question Number : 190 Question Id : 723053506 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the phenotypic ratio for the progeny of dihybrid epistasis in which both genes are dominant and both are epistatic to each other?

Options :

✓ 12 : 3 : 1

✗ 9 : 3 : 3 : 1

✘ 9 : 3 : 4

✘ 9 : 6 : 1

Question Number : 191 Question Id : 723053507 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The development of  $2n$  gametophytes, without meiosis and spores, from vegetative or asexual cells of the sporophyte, is referred to as:

Options :

✘ Apogamy

✔ Apospory

✘ Polyembryony

✘ Apomixes

Question Number : 192 Question Id : 723053508 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Saffron is extracted from which part of the Crocus plant?

Options :

✔ Stigma

✘ Ovules

✘ Stamen

✘ Flower petals

Question Number : 193 Question Id : 723053509 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Bt toxins are effective against which of the following orders of insects?

Options :

✔ Coleoptera

✘ Siphunculata

✘ Siphonoptera

✘ Hemiptera

Question Number : 194 Question Id : 723053510 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Pentose phosphate pathway is a major carbohydrate metabolic pathway in which of the following body cells?

Options :

✘ Muscle cells

✔ Red blood cells

✘ Nerve cells

✘ Germ cells

Question Number : 195 Question Id : 723053511 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the function of EDTA in genomic DNA isolation technique?

Options :

✘ To dissolve DNA

✘ To extract hydrophobic proteins

✔ To inhibit DNase

✘ To lyse the cell membrane

Question Number : 196 Question Id : 723053512 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

How many types of gametes are possible with an organism with  $2n=24$ ?

Options :

✘  $2^{23}$

✘  $2^{46}$

✘  $2^{22}$

✔  $2^{12}$

Question Number : 197 Question Id : 723053513 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Who is considered to be the father of green revolution in India?

Options :

- M. S. Swaminathan
- Panchanan Maheshwari
- Deonarayan Misra
- G. N. Ramachandran

Question Number : 198 Question Id : 723053514 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following complex holds the sister chromatids together during metaphase?

Options :

- Adhesin
- Cohesin
- Ubiquitin
- Separin

Question Number : 199 Question Id : 723053515 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the probability that a plant with genotype ppww will be produced by parental plants of genotypes PpWw and Ppww?

Options :

- 1/4
- 1/8
- 3/4
- 1/3

Question Number : 200 Question Id : 723053516 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The first clinical gene therapy was given in 1990 to rectify which of the following diseases?

Options :

- X-linked SCID
- ADA-SCID
- Hemophilia
- Cystic fibrosis

Subject Related

Group Number :	11
Group Id :	72305326
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Subject Related

Section Id :	72305326
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305339
Question Shuffling Allowed :	Yes

Question Number : 201 Question Id : 723053517 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following DNA delivery methods was used initially for the development of transgenic Bt cotton?

Options :

- Plasmid DNA coated particles

- Agrobacterium mediated gene transfer
- Micro injection
- Direct DNA uptake

Question Number : 202 Question Id : 723053518 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

During primary succession in water, which of the following stages will come in between “reed-swamp” and climax stage “trees”?

Options :

- Phytoplanktons
- Submerged and free-floating plants
- Marsh-meadow and scrub
- Free floating and rooted submerged plants

Question Number : 203 Question Id : 723053519 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What will be the potential phenotypes in the offspring of parents of blood groups AB and O?

Options :

- 1/2 B and 1/2 A
- 3/4 A and 1/4 O
- 1/2 A and 1/2 O
- 1/4 A, 1/2 B and 1/4 O

Question Number : 204 Question Id : 723053520 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

How many centrioles are present in an animal cell during mitosis?

Options :

- Two
- Four

One

None

Question Number : 205 Question Id : 723053521 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What will be the endosperm genotype if a plant with genotype "AA" pollinates another plant with genotype "aa"?

Options :

Aa

AA

AAa

Aaa

Question Number : 206 Question Id : 723053522 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The diseases with which of the following genetic abnormalities cannot be studied using transgenic animal models?

Options :

Null mutation

Single gene mutation

Polygenic disorders

Chromosomal aberration

Question Number : 207 Question Id : 723053523 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the source of new allele of a gene in a Hardy Weinberg population?

Options :

Natural selection

Mutation

Genetic drift

Gene flow

Question Number : 208 Question Id : 723053524 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

During metaphase I, the point of contact between homologous chromosomes (tetrad) is termed as:

Options :

- Centromere
- Kinetochore
- Chiasmata
- Nucleosome

Question Number : 209 Question Id : 723053525 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the sedimentation coefficient of rRNA present in 40S ribosomal subunit?

Options :

- 18S
- 16S
- 5.8S
- 5S

Question Number : 210 Question Id : 723053526 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

A protein containing 200 amino acids will require a gene with a minimum of how many coding base pair long for its synthesis?

Options :

- 600
- 900
- 1300
- 1500

Question Number : 211 Question Id : 723053527 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following eukaryotic DNA polymerase also have a proof reading ability?

Options :

- Polymerase gamma
- Polymerase beta
- Polymerase epsilon
- Polymerase alpha

Question Number : 212 Question Id : 723053528 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the most common cause of common cold?

Options :

- Rhinovirus
- Influenza virus
- Streptococcus bacteria
- Archaeobacteria

Question Number : 213 Question Id : 723053529 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following antibodies can cross placenta during pregnancy?

Options :

- IgG
- IgM
- IgE
- IgD

Question Number : 214 Question Id : 723053530 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Long-term storage of pollen grains for crop breeding programs can be done at which of the following temperatures?

Options :

✓ -196 °C

✗ 25 °C

✗ 4 °C

✗ -20 °C

Question Number : 215 Question Id : 723053531 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In which of the following types of pollination the stigma is pollinated with genetically different type of pollen grains?

Options :

✗ Autogamy

✓ Xenogamy

✗ Geitonogamy

✗ Cleistogamy

Question Number : 216 Question Id : 723053532 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Where are untranslated regions (UTRs) present in an mRNA?

Options :

✗ Upstream of start codon

✗ Downstream of stop codon

✗ Within translation unit

✓ Both upstream and downstream of translation unit

Question Number : 217 Question Id : 723053533 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is surrounded by Guard cells?

Options :

✓ Stomata

- ✘ Subsidiary cells
- ✘ Xylem
- ✘ Phloem

Question Number : 218 Question Id : 723053534 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Mammals have evolved from which of the following lineages?

Options :

- ✘ Sauropsids
- ✘ Thecodonts
- ✔ Therapsids
- ✘ Dinosaurs

Question Number : 219 Question Id : 723053535 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The randomly interbreeding local population is referred to as:

Options :

- ✘ Metapopulation
- ✘ Allopatric population
- ✔ Deme
- ✘ Sympatric population

Question Number : 220 Question Id : 723053536 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

By which of the following methods is dosage compensation achieved in Drosophila?

Options :

- ✘ Inactivation of one X chromosome in female
- ✔ Two fold increase in transcription of single male X-chromosome

- ✘ Decrease in transcription by half in both X chromosomes in female
- ✘ Is randomly achieved by any one of the methods mentioned in other options here

	Subject Related
Group Number :	12
Group Id :	72305327
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

	Subject Related
Section Id :	72305327
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305340
Question Shuffling Allowed :	Yes

Question Number : 221 Question Id : 723053537 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a co-factor of DNA Taq polymerase?

Options :

- ✘  $Ca^{2+}$
- ✔  $Mg^{2+}$
- ✘ EDTA
- ✘  $Cl^-$

Question Number : 222 Question Id : 723053538 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Calculate the recombinant frequency if the cross between CD/cd x cd/cd has phenotypes and their frequency as c,d (478); C,D (482); C,d (19); c,D (21).

Options :

- 4%
- 8%
- 2%
- 10%

Question Number : 223 Question Id : 723053539 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a discrete, encapsulated lymphatic organ?

Options :

- Appendix
- Peyer's patches
- Thymus
- Tonsils

Question Number : 224 Question Id : 723053540 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In a Sandwich ELISA, the first step is to coat the matrix wells with which of the following molecules?

Options :

- Antibody
- Antigen
- Antigen bound antibody
- Enzyme labelled antibody

Question Number : 225 Question Id : 723053541 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

“Height” in humans is an example of which of the following inheritance?

Options :

- Incomplete dominance
- Co-dominance
- Polygenic
- Epistasis

Question Number : 226 Question Id : 723053542 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following isotopes was used by Meselson and Stahl to prove semiconservative nature of DNA replication?

Options :

- $^3\text{H}$
- $^{15}\text{N}$
- $^{32}\text{P}$
- $^{14}\text{C}$

Question Number : 227 Question Id : 723053543 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The transgenic goat, modified for a variant of human tissue plasminogen activator, secretes the desired protein in which of the following body fluids?

Options :

- Blood
- Lymph
- Milk
- Urine

Question Number : 228 Question Id : 723053544 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which day is designated as World Environment day?

Options :

- ✘ May 22
- ✘ May 01
- ✘ March 21
- ✔ June 05

Question Number : 229 Question Id : 723053545 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an example of adaptive radiation?

Options :

- ✘ Amphibian evolution on land
- ✘ Huge species variation in fishes
- ✔ Cichlid fish in the river of East African Rift
- ✘ Human evolution

Question Number : 230 Question Id : 723053546 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In molecular biology, an unknown region of a chromosome can be identified with which of the following techniques?

Options :

- ✘ ELISA
- ✘ PCR
- ✔ Chromosome Walking
- ✘ Southern blotting

Question Number : 231 Question Id : 723053547 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a type of natural selection that actively selects against the intermediate in a population, favoring both extremes of the phenotype?

Options :

- ✘ Stabilizing

✘ Directional

✔ Disruptive

✘ Reverse

Question Number : 232 Question Id : 723053548 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following diagnostic tests is based on antigen-antibody interaction?

Options :

✔ Widal test

✘ Glucose estimation

✘ UTI (Urinary Tract Infection) test

✘ Test for gestational diabetes

Question Number : 233 Question Id : 723053549 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The carbohydrate is transported across different parts of the plant through phloem, majorly as:

Options :

✔ Sucrose

✘ Glucose

✘ Glycogen

✘ Fructose

Question Number : 234 Question Id : 723053550 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a prevalent cause resulting in the loss of biodiversity in nature?

Options :

✘ Population explosion

✔ Habitat loss and fragmentation

- Stability in ecosystem
- Decrease in mutation rate

Question Number : 235 Question Id : 723053551 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The plasma proteins made by the liver, whose synthesis is rapidly increased in response to infection, are referred to as:

Options :

- Interleukins
- Cytokines
- Interferons
- Acute phase proteins

Question Number : 236 Question Id : 723053552 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following drugs is a hallucinogen?

Options :

- Heroin
- Opium
- Lysergic acid diethylamide (LSD)
- Crack

Question Number : 237 Question Id : 723053553 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following are the rate limiting factors of photosynthesis?

Options :

- Light and temperature
- Temperature and CO<sub>2</sub>
- Light, temperature and CO<sub>2</sub>

✘ Light, water and CO<sub>2</sub>

Question Number : 238 Question Id : 723053554 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the term given to a set of symptoms shown by an individual in abrupt discontinuation or dosage reduction of some types of medications and recreational drugs?

Options :

✘ Rett syndrome

✔ Withdrawal syndrome

✘ Down syndrome

✘ Substance use disorder

Question Number : 239 Question Id : 723053555 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

An inherent problem in making commercial use of recombinant plant proteins is their:

Options :

✘ Post translational modification

✘ Folding

✘ Subunit assembly

✔ Purification

Question Number : 240 Question Id : 723053556 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the indigenous dairy cattle of India?

Options :

✘ Holstein-Friesian (HF)

✘ Jersey

✘ Red Dane

✔ Sahiwal

Subject Related

Group Number :	13
Group Id :	72305328
Group Maximum Duration :	0
Group Minimum Duration :	0
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

Subject Related

Section Id :	72305328
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305341
Question Shuffling Allowed :	Yes

Question Number : 241 Question Id : 723053557 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

The cells are "flaccid" when they are placed in which of the following solutions?

Options :

- Hypertonic
- Isotonic
- Hypotonic
- Plasmolytic solution

Question Number : 242 Question Id : 723053558 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical  
Correct : 1 Wrong : 0.25

Which of the following proteins is encoded by lac operon?

Options :

Beta-galactosidase

Allolactase

Glucokinase

Lactase

Question Number : 243 Question Id : 723053559 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following diseases is caused by a roundworm?

Options :

Ringworm

Elephantiasis

Malaria

Amoebic dysentery

Question Number : 244 Question Id : 723053560 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the most abundant antibody isotype in blood (plasma)?

Options :

IgA

IgE

IgM

IgG

Question Number : 245 Question Id : 723053561 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a rare species found in river Ganga of India?

Options :

River Dolphin

- ✘ Tortoise
- ✘ Turtle
- ✘ Rohu

Question Number : 246 Question Id : 723053562 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the disadvantage of biogas in using it as vehicle fuel?

Options :

- ✔ It is corrosive
- ✘ It is expensive
- ✘ Large scale production is not feasible
- ✘ It creates air pollution

Question Number : 247 Question Id : 723053563 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What is the function of prop roots?

Options :

- ✘ Storage of food
- ✘ Storage of food and water
- ✔ Provide extra support to plant
- ✘ Get oxygen for plant

Question Number : 248 Question Id : 723053564 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The use of living green plants for containment of contaminants in soil or groundwater is referred to as:

Options :

- ✘ Microremediation
- ✔ Phytoremediation

✘ Biofortification

✘ Bio-fertilizers

Question Number : 249 Question Id : 723053565 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What would be the Respiratory Quotient of completely oxidized carbohydrates?

Options :

✔ 1

✘ 0.7

✘ 0.9

✘ 0.6

Question Number : 250 Question Id : 723053566 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The induction of a plant's flowering process by exposure to prolonged cold is referred to as:

Options :

✘ Phyllotaxy

✘ Inflorescence

✔ Vernalization

✘ Phylloclade

Question Number : 251 Question Id : 723053567 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is incorrect modification?

Options :

✘ Carrot-modified root

✔ Garlic-modified flower

✘ Onion-modified leaves

✘ Colocasia-modified stem

Question Number : 252 Question Id : 723053568 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following body fluids is not a usual medium for spreading HIV/AIDS?

Options :

✘ Vaginal secretion

✘ Semen

✔ Saliva

✘ Blood

Question Number : 253 Question Id : 723053569 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following plants does not have stilt roots?

Options :

✘ Triticum vulgare

✘ Zea mays

✔ Ficus benghalensis

✘ Saccharum officinale

Question Number : 254 Question Id : 723053570 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Metaphase chromosomes are arranged in which order in a karyogram?

Options :

✔ Descending

✘ Ascending

✘ Random

✘ Sex chromosome followed by autosomes

Question Number : 255 Question Id : 723053571 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The inactivation of which of the following proteins results in cancer?

Options :

- Cdk
- p53
- Ras
- EGFR

Question Number : 256 Question Id : 723053572 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following practices is not useful in animal breeding for increasing their fertility?

Options :

- Cross breeding
- Continuous, closed inbreeding
- Outbreeding
- Out crossing

Question Number : 257 Question Id : 723053573 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following immunosuppressive agents is obtained from fungi?

Options :

- Cyclosporine A
- Dexamethasone
- Sirolimus
- Prednisone

Question Number : 258 Question Id : 723053574 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following phloem tissues is lignified?

Options :

- Sieve tube elements
- Companion cells
- Phloem fibers
- Phloem parenchyma

Question Number : 259 Question Id : 723053575 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Ramachandran plot is used for deciphering which of the following aspects of biomolecules?

Options :

- Protein function
- Protein structure
- Amino acid sequence of a polypeptide
- Peptide bond length

Question Number : 260 Question Id : 723053576 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Cytokines regulate cellular response in which of the following immune defenses of the body?

Options :

- Innate only
- Adaptive only
- Both innate and adaptive
- Does not generate cellular response

Subject Related

Group Number :

14

Group Id :

72305329

Group Maximum Duration :

0

Group Minimum Duration : 0  
 Revisit allowed for view? : No  
 Revisit allowed for edit? : No  
 Break time: 0  
 Group Marks: 20

	Subject Related
Section Id :	72305329
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number: 1  
 Sub-Section Id: 72305342  
 Question Shuffling Allowed : Yes

Question Number : 261 Question Id : 723053577 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is related to improvement in fish and fishery industries?

Options :

- Blue revolution
- Green revolution
- Silver revolution
- Golden revolution

Question Number : 262 Question Id : 723053578 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
 Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following factors does not contribute to high biodiversity in a community?

Options :

- Stable climate
- High competition for resources
- Low inbreeding

✓ Low predator pressure

Question Number : 263 Question Id : 723053579 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of following is an example of behavioral adaptation?

Options :

✓ Desert lizard keeping their body temperature fairly constant

✗ Fish surviving in Antarctic waters

✗ Archaeobacteria surviving in hot springs

✗ Acclimatization at high altitude

Question Number : 264 Question Id : 723053580 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following classes has the highest species diversity among vertebrates?

Options :

✗ Mammals

✓ Fish

✗ Amphibians

✗ Reptiles

Question Number : 265 Question Id : 723053581 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the most widely used method for removing particulate matter from polluted air?

Options :

✓ Electrostatic precipitator

✗ Cyclone separators

✗ Fabric filters

✗ Carbon capture

Question Number : 266 Question Id : 723053582 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following enzymes is released by sperm to penetrate through follicular cell layer surrounding ovum?

Options :

- Lactase
- Collagenase
- Hyaluronidase
- Peptidase

Question Number : 267 Question Id : 723053583 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is the process to induce an ovulation (a single ovum) during menstrual cycle?

Options :

- Superovulation
- Ovulation induction
- In-vivo fertilization
- Ovarian stimulation

Question Number : 268 Question Id : 723053584 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following pairs related to flowering plants is mismatched?

Options :

- Ovary- Fruit
- Ovary wall-Pericarp
- Ovule-Seed
- Stigma-Testa

Question Number : 269 Question Id : 723053585 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following elements is/are responsible for eutrophication?

Options :

- Sulfates and calcium
- Nitrates and phosphates
- Carbon
- Calcium

Question Number : 270 Question Id : 723053586 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an example of “commensalism”?

Options :

- Lichens
- Brood parasitism
- Bee taking nectar from an orchid flower
- An orchid growing on a mango branch

Question Number : 271 Question Id : 723053587 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Melittophily is a term given to the pollination by which of the following organisms?

Options :

- Ants
- Birds
- Bees
- Insects

Question Number : 272 Question Id : 723053588 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a plant auxin receptor?

Options :

✓ ABP 1

✗ CRE1

✗ AR

✗ CRHR 1

Question Number : 273 Question Id : 723053589 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is a connecting link between bony fish and amphibians?

Options :

✗ Archaeopteryx

✓ Coelacanth

✗ Sphenodon

✗ Trilobites

Question Number : 274 Question Id : 723053590 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

According to IUCN, the species that is likely to become endangered, unless the circumstances that are threatening its survival and reproduction improve, is referred to as:

Options :

✗ Endangered species

✗ Threatened species

✓ Vulnerable species

✗ Extinct species

Question Number : 275 Question Id : 723053591 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The relative measure of reproductive success of an organism in passing its genes to the next generation is referred to as:

Options :

✗ Fecundity

Darwinian fitness

Birth rate

Stable population

Question Number : 276 Question Id : 723053592 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Out of the four phases of a "Logistic growth curve", which phase is a phase of rapid growth?

Options :

Phase I

Phase II

Phase III

Phase IV

Question Number : 277 Question Id : 723053593 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following can act as a source of large scale insulin production?

Options :

Pig

Cattle

Bacteria

Plants

Question Number : 278 Question Id : 723053594 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The genes for which of the following traits of Pea plant are not present on chromosome 4?

Options :

Seed shape

Pod shape

- ✘ Plant height
- ✘ Inflorescence

Question Number : 279 Question Id : 723053595 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is an Indian government organization for approval of genetic modification (GM) research and safety of introducing GM-organisms for public services?

Options :

- ✘ Genomic Expression Approval Committee
- ✘ Gene Engineering Approval Committee
- ✔ Genetic Engineering Approval Committee
- ✘ Gene Expressing Authorizing Company

Question Number : 280 Question Id : 723053596 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of the following is used as fusogen in somatic cell hybridization technique?

Options :

- ✔ PEG
- ✘ Ammonium ions
- ✘ Agar
- ✘ Activated charcoal

Subject Related

Group Number :	15
Group Id :	72305330
Group Maximum Duration :	0
Group Minimum Duration :	180
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	20

	Subject Related
Section Id :	72305330
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	20
Number of Questions to be attempted:	20
Section Marks:	20
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	72305343
Question Shuffling Allowed :	Yes

Question Number : 281 Question Id : 723053597 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these factors does NOT affect the emotionality of a person?

Options :

- Child A is too much excited at the thought of an ice cream
- Child B is exhausted after travelling for 4 hours in the car
- Child C is happily sleeping at night undisturbed for 8 hours
- Child D is suffering from disease due to malnutrition

Question Number : 282 Question Id : 723053598 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

\_\_\_\_\_ is/are mandated to provide academic and technical resource support to adult and continuing education through development and production of material and training modules. In addition to this, it/they would be required to conduct motivational and environmental building, action research and evaluation and monitoring.

Options :

- The State Resource Centre(s)
- Jan Shikshan Sansthan
- Sarva Shiksha Abhiyan
- Rashtriya Madhyamik Shiksha Abhiyan

Question Number : 283 Question Id : 723053599 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

When a learner performs a skill according to the instruction rather than the observation, he is known to be at the \_\_\_\_\_ level of psychomotor domain.

Options :

- 'Imitates'
- 'Manipulates'
- 'Articulates'
- 'Naturalises'

Question Number : 284 Question Id : 723053600 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Identify the learning style from the given description:

Somu likes to have a hands-on experience in anything he learns. He enjoys field trips to experience the physical proximity of the target knowledge. He makes his own notes on whatever he learns.

Options :

- Visual / Non-verbal Learning style
- Visual / Verbal Learning style
- Tactile Learning style
- Auditory Learning style

Question Number : 285 Question Id : 723053601 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these skills is a receptive skill?

Options :

- Listening
- Speaking
- Writing
- Language

Question Number : 286 Question Id : 723053602 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

What should be the objective of teaching science at higher secondary school level?

Options :

- To develop economic efficiency and capacity to earn a livelihood
- To get the knowledge about the society and natural environment
- Develop the quantitative sense to solve the problems
- To develop the observation skills

Question Number : 287 Question Id : 723053603 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The ability to perceive existing gender differences and issues and to incorporate these into strategies and actions is known as:

Options :

- gender equality
- gender equity
- gender parity
- gender sensitivity

Question Number : 288 Question Id : 723053604 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a part of social science?

Options :

- Statistics
- Anthropology
- Biology
- Sociology

Question Number : 289 Question Id : 723053605 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

In a particular Mathematics class, a student can draw geometrical figures and graphs. Which stage of cognitive domain is the student exhibiting?

Options :

- Knowledge
- Understanding
- Application
- Skill

Question Number : 290 Question Id : 723053606 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a good aspect relating to reading a newspaper?

Options :

- Increased vocabulary
- Latest update on the current happenings
- Knowledge on antisocial elements in the society
- Exaggerated or underplayed news of the real situation

Question Number : 291 Question Id : 723053607 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a 2D art, method or technique to use while teaching a subject?

Options :

- Collage making
- Rangoli
- Mandna
- Installation

Question Number : 292 Question Id : 723053608 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Identify the correct statement on role play from the given options?

Options :

- Effective while addressing issues in the affective domain
- Low level of learner involvement
- All kinds of learners are proactive to take up role plays
- Introverts enjoy Role plays

Question Number : 293 Question Id : 723053609 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a blog tool?

Options :

- Edublog
- Blogger
- WordPress
- Trackback

Question Number : 294 Question Id : 723053610 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a correct statement of the CAI?

Options :

- It facilitates reteaching and reinforcing
- It can create simulations in the learner
- It can help teachers to improve their role in education process.
- CAI can give a human touch better than traditional teaching

Question Number : 295 Question Id : 723053611 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

When knowledge is acquired through religious texts, it is known as \_\_\_\_\_.

Options :

- revelation

- ✘ testimony
- ✘ authority
- ✘ reason

Question Number : 296 Question Id : 723053612 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT an assessment method?

Options :

- ✘ Presentations
- ✘ Simulations
- ✘ Homework exercises
- ✔ Students watching an audiovisual

Question Number : 297 Question Id : 723053613 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a correct statement on the guiding principles of constructivism?

Options :

- ✔ The learning process focuses on isolated facts, not on primary concepts
- ✘ Learning requires understanding wholes as well as parts and parts must be understood in the context of wholes
- ✘ The purpose of learning is for an individual to construct his or her own meaning, not just to memorise the "right" answers
- ✘ Learning must start with the issues around which students are actively trying to construct meaning

Question Number : 298 Question Id : 723053614 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

The assessment that expands the findings of an assessment with analysis of abilities and potentials with a further dimension is known as:

Options :

- ✔ prognostic assessment
- ✘ formative assessment

- ✘ diagnostic assessment
- ✘ summative assessment

Question Number : 299 Question Id : 723053615 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

Which of these is NOT a correct statement on including inclusive education in India?

Options :

- ✔ Children with special needs cannot be made a part of regular school.
- ✘ Giving all the normal and differently abled children equal opportunities to learn and get equal treatment as others.
- ✘ It is an opportunity to form friendships with other children.
- ✘ It develops the tolerance and appreciation of normal children for differently abled students.

Question Number : 300 Question Id : 723053616 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes  
Single Line Question Option : No Option Orientation : Vertical

Correct : 1 Wrong : 0.25

\_\_\_\_\_ is a developmental disability significantly affecting verbal and non-verbal communication and social interaction, generally evident before age three and characterised by engaging in repetitive activities and stereotyped movements.

Options :

- ✔ Autism
- ✘ Dyslexia
- ✘ Dysgraphia
- ✘ ADHD