

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC01202107 Mechanical Cultivation Officer Completed 2021-04-11

1	Question Description	Which gear is used in a hand chaff cutter or cream separator?
	A	Bevel
	B	Spiral
	C	Worm
	D	Spur
	Correct Answer	C
	Marks	1

2

Question Description	In which nozzle narrow elliptical spray pattern is formed?
A	Hollow cone nozzle
B	Fan type nozzle
C	Solid cone nozzle
D	Nozzle boss
Correct Answer	B
Marks	1

3

Question Description	Input HP of a pump =
A	Brake Horsepower/motor efficiency
B	Shaft horsepower/pump efficiency
C	Water horsepower/motor efficiency
D	Discharge/drive efficiency
Correct Answer	A
Marks	1

4	Question Description	The penetration of a Disc harrow will Not be adequate if-
	A	The disc gangs set with the forward edges of the discs parallel to the direction of motion
	B	The disc gangs are set perpendicular to the line of draft
	C	The hitch point is lowered
	D	None of the above
	Correct Answer	B
	Marks	1

5	Question Description	The adjustment in MB plough for increasing the depth of operation
	A	Gang angle
	B	Horizontal suction
	C	Vertical suction
	D	Disc angle
	Correct Answer	C
	Marks	1

6	Question Description	Following which is Not the type of nozzles of injector.
	A	Pintle type
	B	Solid type
	C	Throttle type
	D	Hole type
	Correct Answer	B
	Marks	1
7	Question Description	Per hour depreciation of a 35 HP diesel tractor costing Rs 4,75,000/- with working life 10 years, rate of interest 10% and working hours per year 1000 is -
	A	Rs 42.75
	B	Rs 47.25
	C	Rs 45.25
	D	None of the above
	Correct Answer	B
	Marks	1

8	Question Description	In a tractor engine the operator is relieved from the constant regulating of the throttle lever to suit different load condition by using _____
	A	Accelerator
	B	Throttle
	C	Governor
	D	None of the above
	Correct Answer	C
	Marks	1

9	Question Description	Calorific value of Biogas is
	A	5400 kcal/ m ³
	B	4500 kcal/ kg
	C	4500 kcal/ m ³
	D	5400 kcal/ kg
	Correct Answer	C
	Marks	1

10	Question Description	Worm gear is used, when two shafts are at
	A	Right angle to each other
	B	Some distance apart
	C	Radial direction
	D	45 cm apart
	Correct Answer	A
	Marks	1
11	Question Description	Which type of duster to be required for spraying to tall crops?
	A	Plunger type
	B	Knapsack type
	C	Rotary type
	D	None of the above
	Correct Answer	C
	Marks	1

12	Question Description	Power tillers operate most satisfactory with
	A	Rotary tillage
	B	Plough
	C	Transport carts
	D	Reapers
	Correct Answer	A
	Marks	1
13	Question Description	Which of the following statement is Correct ?
	A	The primary tillage performed to open up any cultivable land for preparation of seed bed.
	B	Secondary tillage performed for proper soil tilth.
	C	Both A&B
	D	None of the above
	Correct Answer	C
	Marks	1

14	Question Description	Which of the following is Not an implement for Primary Tillage operations?
	A	Mouldboard plough
	B	Disc plough
	C	Chisel plough
	D	Disc harrow
	Correct Answer	D
	Marks	1
15	Question Description	If the sum of diameter of two pulleys connected by a belt is 90 cm revolves 50 and 20 revolutions per minute respectively without any slippage, the diameter of the pulleys is-
	A	64.3 cm and 25.7 cm
	B	65.1 cm and 24.9 cm
	C	68.9 cm and 21.1 cm
	D	60.7 cm and 29.3 cm
	Correct Answer	A
	Marks	1

16	Question Description	Hydraulic Control system in a tractor helps to
	A	Raise, hold, or lower the mounted or semi mounted equipment.
	B	Operating three point hitch of the tractor
	C	Both A&B
	D	None of the above
	Correct Answer	C
	Marks	1

17	Question Description	Which of the following implements can be used for seedbed preparation?
	A	Disc Cultivator
	B	Sub soiler
	C	Both A & B
	D	None of the above
	Correct Answer	A
	Marks	1

18	Question Description	Following which is define the Dead Furrow
	A	The mass of soil cut, lifted, and thrown to one side
	B	A raised ridge left at the center of the strip of land when ploughing is started from center to side
	C	An open trench left in between two adjacent strips of land after finishing the ploughing
	D	While ploughing with a tractor a strip of un ploughed land left at each end of the land.
	Correct Answer	C
	Marks	1

19	Question Description	BHP of a 2-cylinder 4 stroke cycle internal combustion engine 12 X 15 cm with mean effective pressure 7 kg/ cm ² and speed of crankshaft is 1200 revolutions per minute with mechanical efficiency 75% is -
	A	27.35
	B	23.75
	C	25.37
	D	72.35
	Correct Answer	B
	Marks	1

20	Question Description	Which of the following implements generally be used for churning the soil in standing water?
	A	Trampler
	B	Puddler
	C	Ditcher
	D	Hydrodozer
	Correct Answer	B
	Marks	1

21	Question Description	Find the True statement
	A	Final drive is a gear reduction unit in the power trains between the differential and the drive wheels
	B	Final drive transmits the power finally to the rear axle and the wheels
	C	Both A&B
	D	None of the above
	Correct Answer	C
	Marks	1

22	Question Description	The process of placing the seeds in holes made in seed bed and covering them is called-
	A	Broadcasting
	B	Drilling
	C	Dibbling
	D	Dropping
	Correct Answer	C
	Marks	1
23	Question Description	In spark ignition engine Thermal efficiency is NOT dependent on which following factor
	A	Air constant
	B	Total cylinder volume
	C	Cut off ratio
	D	Specific heat at constant volume
	Correct Answer	C
	Marks	1

24	Question Description	The horsepower to be required to pull a four bottom 30 cm plough, working to depth of 15 cm at an operating speed of 6 Km per hour with soil resistance 0.7 kg/cm^2 is
	A	25 HP
	B	26 HP
	C	28 HP
	D	35 HP
	Correct Answer	C
	Marks	1

25	Question Description	Hydraulic system in tractor is mainly used for
	A	Operating three-point hitch
	B	PTO drive
	C	Both A&B
	D	None of the above
	Correct Answer	A
	Marks	1

26	Question Description	If speed of an engine at no load is 1600 rev/ min and speed at load is 1500 rev/ min then the percentage regulation in a governor will be –
	A	6.2%
	B	6.4%
	C	62%
	D	64%
	Correct Answer	B
	Marks	1

27	Question Description	Co-efficient of performance of a windmill is dependent on which following factor
	A	Density of air
	B	Swept area
	C	Both A & B
	D	None of these
	Correct Answer	C
	Marks	1

28	Question Description	Work done at the rate of 4500 kg.m/ minute or 75 kg m/ second is called-
	A	Horse Power (HP)
	B	Indicated Horse Power (IHP)
	C	Brake Horse Power (BHP)
	D	Power Take-off Horse Power (PTO HP)
	Correct Answer	A
	Marks	1

29	Question Description	True point of hitch of a tractor is called
	A	Center of resistance
	B	Center of power
	C	Line of pull
	D	Vertical Clevis
	Correct Answer	B
	Marks	1

30

Question Description	Which following statement is NOT correct for a Four Stroke Engine
A	Both side of the piston compress the charge.
B	Engine can be operated in one direction only.
C	Fuel is fully consumed.
D	Thermal efficiency is high
Correct Answer	A
Marks	1

31

Comprehension

Read the following passage and answer the questions given below:

Science can certainly contribute its bit towards the development of a culture or towards shaping of subjective reality. In the past, only the poets, the artists and the philosophers, particularly the poets, did this. Their languages have been metaphoric and symbolic. They demand interpretation and re-interpretation to get to the underlying meaning. In future too this would continue to be the dominant pattern of further development. Science may explode the myths about the moon, but poets will continue to create new myths and legends, and, the society its new images, new rituals and new taboos. In his book, *Myths to Live By* (1973), Joseph Campbell has argued this theme in detail. Playwright Ibsen and Psychologist Jung were of the opinion that human beings will always need life-supporting myths.

Question Description

Myths and legends are significant because

A

speak through metaphors and symbols

B

they are essential for human life

C

give rise to new images, rituals and taboos

D

science can explode them

Correct Answer

B

Marks

1

32

Comprehension

Read the following passage and answer the questions given below:

Science can certainly contribute its bit towards the development of a culture or towards shaping of subjective reality. In the past, only the poets, the artists and the philosophers, particularly the poets, did this. Their languages have been metaphoric and symbolic. They demand interpretation and re-interpretation to get to the underlying meaning. In future too this would continue to be the dominant pattern of further development. Science may explode the myths about the moon, but poets will continue to create new myths and legends, and, the society its new images, new rituals and new taboos. In his book, *Myths to Live By* (1973), Joseph Campbell has argued this theme in detail. Playwright Ibsen and Psychologist Jung were of the opinion that human beings will always need life-supporting myths.

Question Description

As per the passage myths are important to human life because

A

poets, artists and philosophers create them

B

they make use of metaphoric and symbolic language

C

they constitute the dominant pattern of developing subjective reality

D

they demand interpretation and re-interpretation

Correct Answer

C

Marks

1

33

Comprehension

Read the following passage and answer the questions given below:

Science can certainly contribute its bit towards the development of a culture or towards shaping of subjective reality. In the past, only the poets, the artists and the philosophers, particularly the poets, did this. Their languages have been metaphoric and symbolic. They demand interpretation and re-interpretation to get to the underlying meaning. In future too this would continue to be the dominant pattern of further development. Science may explode the myths about the moon, but poets will continue to create new myths and legends, and, the society its new images, new rituals and new taboos. In his book, *Myths to Live By* (1973), Joseph Campbell has argued this theme in detail. Playwright Ibsen and Psychologist Jung were of the opinion that human beings will always need life-supporting myths.

Question Description

The term used in the passage to imply “any restrictive religious practice or a prohibitive custom” is called a -----

A

taboo

B

ritual

C

myth

D

legend

Correct Answer

A

Marks

1

34

Comprehension

Read the following passage and answer the questions given below:

Science can certainly contribute its bit towards the development of a culture or towards shaping of subjective reality. In the past, only the poets, the artists and the philosophers, particularly the poets, did this. Their languages have been metaphoric and symbolic. They demand interpretation and re-interpretation to get to the underlying meaning. In future too this would continue to be the dominant pattern of further development. Science may explode the myths about the moon, but poets will continue to create new myths and legends, and, the society its new images, new rituals and new taboos. In his book, *Myths to Live By* (1973), Joseph Campbell has argued this theme in detail. Playwright Ibsen and Psychologist Jung were of the opinion that human beings will always need life-supporting myths.

Question Description

Identify the word in the passage that is near synonymous with “an unauthenticated, historical story’

A

myth

B

image

C

legend

D

none of the above

Correct Answer

C

Marks

1

35

Comprehension

Read the following passage and answer the questions given below:

Science can certainly contribute its bit towards the development of a culture or towards shaping of subjective reality. In the past, only the poets, the artists and the philosophers, particularly the poets, did this. Their languages have been metaphoric and symbolic. They demand interpretation and re-interpretation to get to the underlying meaning. In future too this would continue to be the dominant pattern of further development. Science may explode the myths about the moon, but poets will continue to create new myths and legends, and, the society its new images, new rituals and new taboos. In his book, *Myths to Live By* (1973), Joseph Campbell has argued this theme in detail. Playwright Ibsen and Psychologist Jung were of the opinion that human beings will always need life-supporting myths.

Question Description

The passage seems to suggest that science has been at an arm's length from the subjective reality due to -----

A

its tendency to explode myths

B

its distance from poetry, art and philosophy

C

absence of metaphoric and symbolic content

D

due to its empirical and objective approach,

Correct Answer

D

Marks

1

36

Comprehension

Read the following passage and answer the questions given below:

The distinction between medicines and sensual drugs is simple. Sensual drugs are those that the body has no need for, but that give the user a strong sense of pleasure. Sensual drugs activate the brain's pleasure centres directly or activate them through chemical mimicry...The brain governs sensations, moods, thoughts and actions, not by a magical process but by an incredibly complex series of chemically regulated controls. These are easily upset by sensual drugs. This disturbance is apparent in the effects of the sensual drugs on the mechanism that controls pleasure and satisfaction. A drug user's craving for the brain's pleasure reflexes seems to be weakened by artificial stimulation... Information from the senses still reaches the brain, but the brain is unable to evaluate and interpret it as pleasure. In contrast, naturally attained pleasures enlarge the sense of satisfaction and can be repeated indefinitely.

Question Description

As compared to medicinal drugs, the sensual drugs are undesirable because first and foremost

A

they activate brain's pleasure centres

B

they upset the brain's control system

C

they are not needed by the body

D

they artificially stimulate the brain

Correct Answer

C

Marks

1

37

Comprehension

Read the following passage and answer the questions given below:

The distinction between medicines and sensual drugs is simple. Sensual drugs are those that the body has no need for, but that give the user a strong sense of pleasure. Sensual drugs activate the brain's pleasure centres directly or activate them through chemical mimicry...The brain governs sensations, moods, thoughts and actions, not by a magical process but by an incredibly complex series of chemically regulated controls. These are easily upset by sensual drugs. This disturbance is apparent in the effects of the sensual drugs on the mechanism that controls pleasure and satisfaction. A drug user's craving for the brain's pleasure reflexes seems to be weakened by artificial stimulation... Information from the senses still reaches the brain, but the brain is unable to evaluate and interpret it as pleasure. In contrast, naturally attained pleasures enlarge the sense of satisfaction and can be repeated indefinitely.

Question Description

Identify from the options provided below, the phrase that does not aptly relate to the functioning of sensual drugs

A

chemical mimicry

B

providing sense of pleasure

C

unnatural stimulation

D

magical process

Correct Answer

D

Marks

1

38

Comprehension

Read the following passage and answer the questions given below:

The distinction between medicines and sensual drugs is simple. Sensual drugs are those that the body has no need for, but that give the user a strong sense of pleasure. Sensual drugs activate the brain's pleasure centres directly or activate them through chemical mimicry...The brain governs sensations, moods, thoughts and actions, not by a magical process but by an incredibly complex series of chemically regulated controls. These are easily upset by sensual drugs. This disturbance is apparent in the effects of the sensual drugs on the mechanism that controls pleasure and satisfaction. A drug user's craving for the brain's pleasure reflexes seems to be weakened by artificial stimulation... Information from the senses still reaches the brain, but the brain is unable to evaluate and interpret it as pleasure. In contrast, naturally attained pleasures enlarge the sense of satisfaction and can be repeated indefinitely.

Question Description

A drug user's craving for pleasure reflexes is undermined due to

A

its artificial stimulation

B

weakening of the reflexes

C

failure of the brain to process sensations

D

all these

Correct Answer

D

Marks

1

39

Comprehension

Read the following passage and answer the questions given below:

The distinction between medicines and sensual drugs is simple. Sensual drugs are those that the body has no need for, but that give the user a strong sense of pleasure. Sensual drugs activate the brain's pleasure centres directly or activate them through chemical mimicry...The brain governs sensations, moods, thoughts and actions, not by a magical process but by an incredibly complex series of chemically regulated controls. These are easily upset by sensual drugs. This disturbance is apparent in the effects of the sensual drugs on the mechanism that controls pleasure and satisfaction. A drug user's craving for the brain's pleasure reflexes seems to be weakened by artificial stimulation... Information from the senses still reaches the brain, but the brain is unable to evaluate and interpret it as pleasure. In contrast, naturally attained pleasures enlarge the sense of satisfaction and can be repeated indefinitely.

Question Description

As against the pleasures from sensual drugs, the natural pleasures _____ Complete the above statement by choosing an appropriate option from those provided below:

A

are artificially stimulated

B

debilitate the pleasure reflexes

C

disturb mental processes

D

amplify the sense of satisfaction

Correct Answer

D

Marks

1

40

Comprehension

Read the following passage and answer the questions given below:

The distinction between medicines and sensual drugs is simple. Sensual drugs are those that the body has no need for, but that give the user a strong sense of pleasure. Sensual drugs activate the brain's pleasure centres directly or activate them through chemical mimicry...The brain governs sensations, moods, thoughts and actions, not by a magical process but by an incredibly complex series of chemically regulated controls. These are easily upset by sensual drugs. This disturbance is apparent in the effects of the sensual drugs on the mechanism that controls pleasure and satisfaction. A drug user's craving for the brain's pleasure reflexes seems to be weakened by artificial stimulation... Information from the senses still reaches the brain, but the brain is unable to evaluate and interpret it as pleasure. In contrast, naturally attained pleasures enlarge the sense of satisfaction and can be repeated indefinitely.

Question Description

Identify the nearest antonym for 'artificial stimulation', in the sense used in the passage

A

natural tranquilizer

B

manmade de-energiser

C

unnatural sedative

D

natural excitement

Correct Answer

A

Marks

1

41	Question Description	Marble is the metamorphosed form of
	A	Shale
	B	Basalt
	C	Limestone
	D	Sandstone
	Correct Answer	C
	Marks	1

42	Question Description	What was the theme of national science day of India for the year 2021?
	A	Women in Science
	B	Future of STI: Impact on Education Skills and Work
	C	Science and Technology for Specially Abled Persons
	D	Information Technology for Science Education
	Correct Answer	B
	Marks	1

43

Question Description Who invented the BALLPOINT PEN?**A** Biro Brothers**B** Waterman Brothers**C** Bicc Brothers**D** Write Brothers**Correct Answer** A**Marks** 1

44

Question Description R. K. Laxman is a renowned**A** Dance master**B** Writer**C** Cartoonist**D** Journalis**Correct Answer** C**Marks** 1

45	Question Description	Ryder Cup is associated with which sport
	A	Horse Race
	B	Football
	C	Cycling
	D	Golf
	Correct Answer	D
	Marks	1

46	Question Description	Jude Felix is a famous Indian player in which of the fields?
	A	Volleyball
	B	Tennis
	C	Football
	D	Hockey
	Correct Answer	D
	Marks	1

47	Question Description	The super computer 'PARAM' was developed by
	A	TATA
	B	IIT-Kharagpur
	C	IIT-Kanpur
	D	C-DAC
	Correct Answer	D
	Marks	1
48	Question Description	Where is the Sawai Jai Singh Stadium famous for cricket?
	A	Ajmer
	B	Bharatpur
	C	Jodhpur
	D	Jaipur
	Correct Answer	D
	Marks	1

49

Question Description In which of the following states Rawatbhata Nuclear Plant is situated?

A Rajasthan

B Gujarat

C Madhya Pradesh

D Tamil Nadu

Correct Answer A

Marks 1

50

Question Description What is the number of players in each volleyball team?

A 6

B 8

C 10

D 12

Correct Answer A

Marks 1

51	Question Description	Complete the series 6, 11, 31, 121, 601, ?
	A	3369
	B	3660
	C	3601
	D	6788
	Correct Answer	C
	Marks	1

52	Question Description	Read the passages given below and answer the questions that follow. Efficiency is all right in its place, in the shop, the factory, the store. The trouble with efficiency is that it wants to rule our play as well as our work; it won't be content to reign in the shop, it follows us home. It can be inferred from the above passage that
	A	Efficiency can become all pervading.
	B	Efficiency does not always pay.
	C	Efficiency can be more of a torture than a blessing.
	D	None of these
	Correct Answer	A
	Marks	1

53	Question Description	For the series 0.5, 1.5, ____, 13.5, 40.5, what number should fill the blank?
	A	4.2
	B	4.5
	C	5.5
	D	5.2
	Correct Answer	B
	Marks	1

54	Question Description	Peter walks 2 km towards the south and then walks 1 km to his left. Finally, he turns to his right and walks 2 km. In which direction is he from the starting point?
	A	West
	B	South
	C	South-West
	D	South-East
	Correct Answer	D
	Marks	1

55	Question Description	Critical reading is a demanding process. To read critically, you must slow down your reading and, with pencil in hand, perform specific operations on the text. Mark up the text with your reactions, conclusions, and questions. When you read, become an active participant. This paragraph best supports the statement that
	A	critical reading is a slow, dull, but essential process.
	B	the best critical reading happens at critical times in a person's life.
	C	readers should get in the habit of questioning the truth of what they read.
	D	critical reading requires thoughtful and careful attention.
	Correct Answer	D
	Marks	1

56	Question Description	John has to pay Rs. 5000 out of Rs. 6000 he earns each week towards his apartment rent. If John gets to keep Rs. 10000 this week, How much did he earn in total this week?
	A	Rs 30000
	B	Rs 60000
	C	Rs 50000
	D	None of these
	Correct Answer	B
	Marks	1

57

Question Description

Find out the missing number in the given grid

1	5	5
3	2	6
2	?	10
7	1	7

A 4**B** 5**C** 6**D** 2**Correct Answer** B**Marks** 1

58	Question Description	Which word does not belong to others
	A	Brake
	B	Clutch
	C	Truck
	D	Buspension
	Correct Answer	C
	Marks	1

59	Question Description	In a memory test, a number is flashed on a screen for 3 seconds and four participants try to remember the number. Each of them recollects and writes a different number as given in the options below. Which of the number is most likely the flashed number?
	A	1800-9266
	B	1800-9336
	C	1800-9268
	D	1800-8266
	Correct Answer	A
	Marks	1

60	<p>Question Description</p>	<p>Cases of food poisoning have been reported from village 'X'. After a dinner party arranged for 100 people, 68 have been admitted to the hospital, 36 cases are reported to be out of danger. The food, which was cooked and stored in open space for almost 12 hours earlier was served after reheating it. Investigation is going on - A news report.</p> <p>Which of the following can be hypothesized from the above information?</p>
A		Late night dinner parties for large number of people result into food poisoning
B		State food is likely to be the cause of food poisoning
C		Cases of food poisoning need to be handled carefully
D		Cases of food poisoning are not reported in urban dinner parties
	Correct Answer	B
	Marks	1
61	<p>Question Description</p>	<p>Which of the following will come in place of the question mark (?) in the following sequence? PRODUCTIVITY, RODUCTIVIT, ODUCTIVI, ?</p>
A		DUCTIV
B		DUCTLY
C		UCTIV
D		DUCTI
	Correct Answer	A
	Marks	1

Question Description

In each of the question below are given four statements followed by four conclusions numbered I, II III and IV You have to take the given statements to be true even if they seem to be at variance from commonly known facts Read all the conclusions and then decide which of the given conclusions logically follows from the given statement disregarding commonly known facts.

Statements:

Some pencils are kites
Some kites are desks
All desks are jungles
All jungles are mountains

Conclusions:

- I. Some mountains are pencils
- II. Some jungles are pencils
- III. Some mountains are desks
- IV. Some jungles are kites

A Only I and III follow

B Only I II and III follows

C Only III and IV follow

D Only II III and IV follow

Correct Answer C

Marks 1

63

Question Description	In a certain code, COMPATIBLE is written as BQNPDDKAHS. How is STABILISED written in that code?
A	JCBUTEDTHM
B	JCBUTC DRHK
C	JCBUTEFTJM
D	TUBCJCDRHK
Correct Answer	B
Marks	1

64

Question Description

Each question consists of five statements followed by options consisting of three statements put together in a specific order. Choose the option, which indicates a valid argument, that is, where the third statement is a conclusion drawn from the preceding two statements.

- A. All software companies employ knowledge workers.
- B. Tara Tech employs knowledge workers.
- C. Tara Tech is a software company.
- D. Some software companies employ knowledge workers.
- E. Tara Tech employs only knowledge workers.

A ABC

B ACB

C CDB

D ACE

Correct Answer B

Marks 1

65	Question Description	If you want hassle-free holiday package for city 'M' then join, only our tour, hurry up, only few seats available. An advertisement of 'XYZ' Tourist Company. If the above statement is true then which of the following has been assumed while making the statement?
	A	Travel packages offered by other tour operators are neither cheap nor comfortable
	B	Nowadays people have lot of money to spend for their comforts
	C	No seats may be available with other tour operators for city 'M'
	D	Many people desire convenience and comfort while going for a holiday
	Correct Answer	D
	Marks	1
66	Question Description	The perimeter of a rectangular field is 21 m and the length and the breadth are in the ratio 4:3. If poles are to be fixed along the boundary of this field by maintaining 1.5 m distance between adjacent poles, how many poles would be required?
	A	16
	B	15
	C	14
	D	20
	Correct Answer	C
	Marks	1

67

Question Description

Statement I: The government has imported large quantities of onion from neighboring countries
Statement II: The price of onion has reduced sharply in the domestic market in recent months

A

Statement II is the cause and statement I is its effect

B

Statement I is the cause and statement II is its effect

C

Both the statements are effects of independent causes

D

Both the statements are independent causes

Correct Answer

B

Marks

1

Question Description

In making decisions about important questions, it is desirable to be able to distinguish between ‘strong’ arguments and ‘weak’ arguments ‘Weak’ arguments are those which are of minor importance and also may not be directly related to the question or may be related to a trivial aspect of the question. Each question below is followed by three arguments numbered (A) (B) and (C) You have to decide which of the arguments is a ‘strong’ argument and which is a ‘weak’ argument.

Statement:

Should there be complete ban on setting up of thermal power plants in India?

Arguments:

- A. Yes, this is the only way to arrest further addition to environmental pollution.
- B. No, there is a huge shortage of electricity in most parts of the country and hence generation of electricity needs to be augmented.
- C. No many developed countries continue to set up thermal power plants in their countries.

A None is strong

B Only (A) is strong

C Only (B) is strong

D Only (C) is strong

Correct Answer C

Marks 1

69

Question Description	Needle is to tailor as pen is to
A	write
B	draw
C	ink
D	poet
Correct Answer	D
Marks	1

Comprehension

Answer the questions on the basis of the information given below.

Five women decided to go shopping to M.G. Road, Bangalore. They arrived at the designated meeting place in the following order: 1. Archana, 2. Chellamma, 3. Dhenuka, 4. Helen, and 5. Shahnaz. Each woman spent at least Rs. 1000. Below are some additional facts about how much they spent during their shopping spree.

- i. The woman who spent Rs. 2234 arrived before the lady who spent Rs. 1193.
- ii. One woman spent Rs. 1340 and she was not Dhenuka.
- iii. One woman spent Rs. 1378 more than Chellamma.
- iv. One woman spent Rs. 2517 and she was not Archana.
- v. Helen spent more than Dhenuka.
- vi. Shahnaz spent the largest amount and Chellamma the smallest.

Question Description

What was the amount spent by Helen?

A

Rs. 1193

B

Rs. 1340

C

Rs. 2234

D

Rs. 2517

Correct Answer

B

Marks

1

Comprehension

Answer the questions on the basis of the information given below.

Five women decided to go shopping to M.G. Road, Bangalore. They arrived at the designated meeting place in the following order: 1. Archana, 2. Chellamma, 3. Dhenuka, 4. Helen, and 5. Shahnaz. Each woman spent at least Rs. 1000. Below are some additional facts about how much they spent during their shopping spree.

- i. The woman who spent Rs. 2234 arrived before the lady who spent Rs. 1193.
- ii. One woman spent Rs. 1340 and she was not Dhenuka.
- iii. One woman spent Rs. 1378 more than Chellamma.
- iv. One woman spent Rs. 2517 and she was not Archana.
- v. Helen spent more than Dhenuka.
- vi. Shahnaz spent the largest amount and Chellamma the smallest.

Question Description

Which of the following amounts was spent by one of them?

A

Rs. 1139

B

Rs. 1378

C

Rs. 2571

D

Rs. 2718

Correct Answer

A

Marks

1

Comprehension

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- v. Helen spent more than Dhenuka.
- vi. Shahnaz spent the largest amount and Chellamma the smallest.

Question Description

The woman who spent Rs. 1193 is

A

Archana

B

Chellamma

C

Dhenuka

D

Helen

Correct Answer

C

Marks

1

Comprehension

Answer the questions based on the information given below.

A country has the following types of traffic signals.

3 red lights = stop

2 red lights = turn left

1 red light = turn right

3 green lights = go at 100 km/hr speed

2 green lights = go at 40 km/hr speed

1 green light = go at 20 km/hr speed

A motorist starts at a point on a road and follows all traffic signals. His car is heading towards the north.

He encounters the following signals (the time mentioned in each case below is applicable after crossing the previous signal).

Starting point - 1 green light

After half an hour, 1st signal - 2 red and 2 green lights

After 15 min, 2nd signal - 1 red light

After half an hour, 3rd signal - 1 red and 3 green lights

After 24 min, 4th signal - 2 red and 2 green lights

After 15 min, 5th signal - 3 red lights

Question Description

The total distance travelled by the motorist from the starting point till the last signal is

A

90 km

B

100 km

C

120 km

D

None of these

Correct Answer

A

Marks

1

Comprehension

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After 24 min, 4th signal - 2 red and 2 green lights

After 15 min, 5th signal - 3 red lights

Question Description

What is the position (radial distance) of the motorist when he reaches the last signal?

A

45 km directly north of the starting point

B

30 km directly to the east of the starting point

C

50 km away to the north-east of the starting point

D

45 km away to the north-west of the starting point

Correct Answer

C

Marks

1

Comprehension

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After 24 min, 4th signal - 2 red and 2 green lights

After 15 min, 5th signal - 3 red lights

Question Description

After the starting point if the 1st signal were 1 red and 2 green lights, what would be the final position of the motorist?

A

30 km to the west and 20 km to the south

B

30 km to the west and 40 km to the north

C

50 km to the east and 40 km to the north

D

Directly 30 km to the east

Correct Answer

C

Marks

1

