Oliveboard

NABARD Grade A Shift 1 Previous Year Paper for 2022

NABARD Grade A Phase 1 PYQS

(Instruction for Q.1 and Q.2)
Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q.1)
Statements:
> Only bucket are mug.
> Only a few buckets are caps.
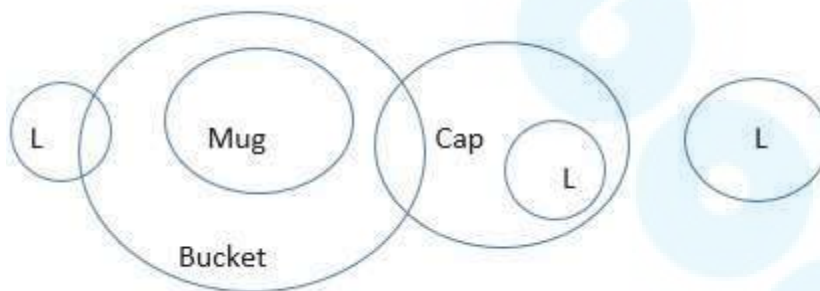> Some caps are not light.

Conclusions:
>   I.   All Lights are caps is a possibility.
>   II.   Some lights may be buckets.
>   III.   Some buckets are not mugs.

(a) Only III follows
(b) Only II and III follow
(c) Only I follows
(d) All I, II and III follow
(e) Only I and II follow

Answer – (e)
Explanation -

Conclusion I and II are possibilities. A possible conclusion is valid if it can be shown true in at least one possible diagram. In the above diagram, various possible positions of 'Light' have been shown which makes conclusion I and II true.
Conclusion III does not follow because 'mugs' and 'buckets' can be overlapping circles.

Q.2)
Statements:
> Only a few formats are switches.
> Only a few switches are splits.
> Some splits are styles.

Conclusion:
I. Some styles being formats is a possibility.
II. Some splits are not switches.
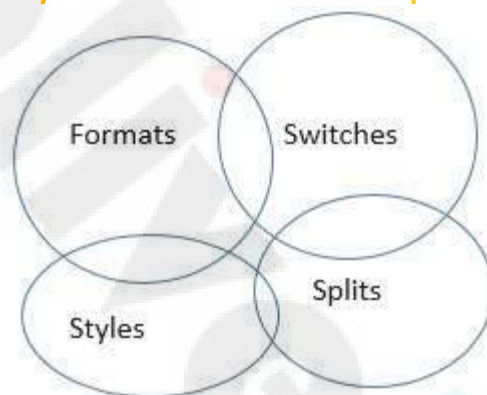**III. All switches being styles is a possibility.**

(a) Only III follows
(b) Only II and III follow
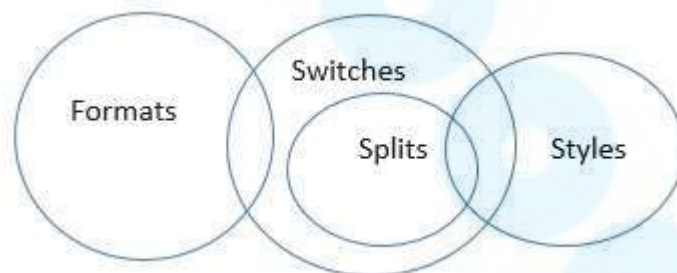(c) Only I follows
(d) Only I and III follow
(e) None follows
(f)

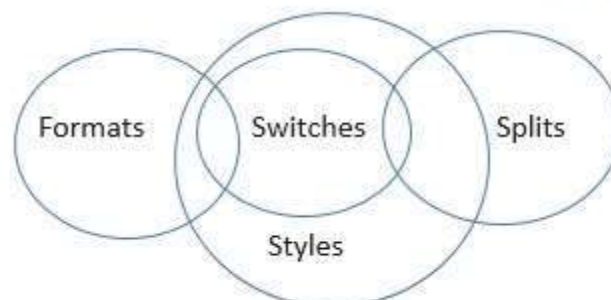**Answer – (d)**
Explanation -
Conclusion I is a possibility which is true in the below possible diagram.

Conclusion II is a definite conclusion and is false from the below diagram.

Conclusion III is a possibility and is true from the below possible diagram.

Q.3) Which of the following symbols should replace the blanks in the given expression in order to make the expression T < I and J > M definitely true?

O = M < T ≤ A ≤ B __ C ≤ J = I ≤ H

    (a) <
    (b) >
    (c) ≤
    (d) ≥
    (e) Either (a) or (b)

Answer – (a)
Explanation -
T ≤ A ≤ B __ C ≤ J = I
The above blank can be filled with only '<' to make the expression T < I definitely true.
M < T ≤ A ≤ B __ C ≤ J
The above blank can be filled with '<', '≤' or '=' to make the expression J > M definitely true.
Since it a common blank, we have to fill it with the symbol which makes both the expressions definitely true and hence '<' is the answer.

(Instruction for Q.4)
In this question, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. You have to check which conclusion(s) follow(s) from the statement.

Q.4) Statements: B < W ≤ F, C ≤ W ≤ O < U, S > O ≤ A < I
Conclusions:
      I. B < A
      II. U > S
    (a) If both conclusion I and II are true.
    (b) If only conclusion I is true.
    (c) If neither conclusion I nor II is true.
    (d) If either conclusion I or II is true.
    (e) If only conclusion II is true.

Answer – (b)
Explanation -
      B < W ≤ O ≤ A
      So, B < A
      Hence, conclusion I is true
      S > O < U
      So, no relation can be established between U and S.

(Instruction for Q.5)
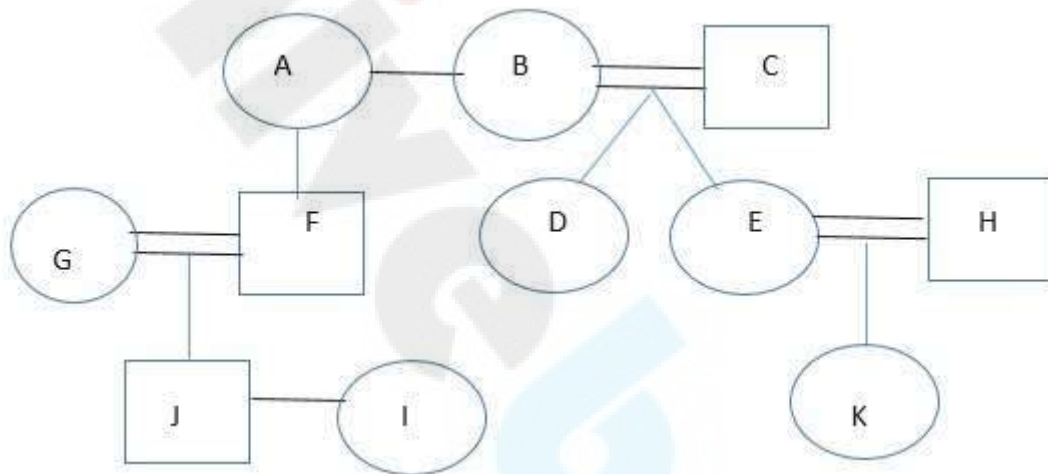**Study the following information carefully and answer the questions below:**
A is sister of B, who is the wife of C. D and E are the daughters of B. F is the son of A and G is the wife of A's only son. H is married to E and K is a daughter of H. I is the sister of J, who is the son of G.

Q.5) How C is related to F?
 (a) Uncle
 (b) Aunt
 (c) Maternal Uncle
 (d) Mother
 (e) None of these

Answer – (c)
Explanation -

(Instruction for Q.6)
Study the following information carefully and answer the questions below:
Mr. Wasan goes 17km in east and reached point Y, then he takes a right turn and goes 52km to reach point Z. Then he takes a left turn and goes 7km and reached point R. Again he takes a left turn and goes 24km and reached point S.
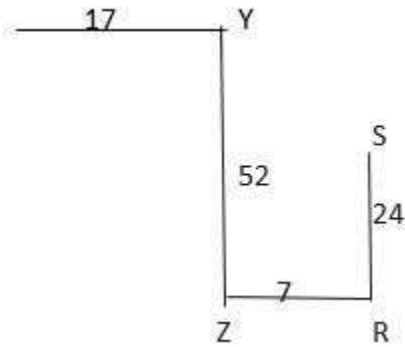**Q.6) What is the shortest possible distance between the final point and the point Z?**
 (a) 21km
 (b) 25km
 (c) 30km
 (d) 41km
 (e) 18km

Answer – (b)
Explanation -
We need to find the shortest distance between S and Z.

Distance between S and Z = √(24² + 7²) = √625 = 25km

$$\text{Distance between S and Z} = \sqrt{24^2 + 7^2} = \sqrt{625} = 25\text{km}$$

(Instructions for Q.7 to Q.10)
Read the following information carefully and answer the questions given below it:
There are certain number of persons sitting in a row and all were facing South and all of them scored different runs in a cricket match viz. 20, 27, 33, 38, 40, 43, 45 and 50 but not necessarily in the same order. D scored the lowest runs. A is in the middle of the row. B is fifth to the right of C. Two persons sit between D and E who is five places away from F. G scored 43. The sum of runs of G and E is equal to sum of runs scored by D and H. One among the four scored the highest runs and one among the four scored the lowest runs. G is third from one of the extreme ends but is not sitting between B and C. G scored more runs than A but less than F. C is at one of the extreme end. H sits to the immediate left of G. Three people sit between E and A who is an immediate right of F. Number of persons between E and A are same as number of persons between A and B. The difference between the runs scored by D and B is equal to the difference between the runs scored by E and C.

Q.7) How many persons are sitting in the row?

    (a) Fifteen
    (b) Sixteen
    (c) Seventeen
    (d) Eighteen
    (e) Nineteen

Answer – (e)
Explanation -

		G	H		E			D	A	F			B					C
		43	50		27			20	38	45			33					40

Q.8) What is the sum of runs scored by C and H?
(a) 77
(b) 90
(c) 72
(d) 73
(e) 53

Answer – (b)
Explanation -

	G	H		E			D	A	F		B				C
	43	50		27			20	38	45		33				40

Q.9) How many persons sit between E and C?
(a) Twelve
(b) Thirteen
(c) Fourteen
(d) Fifteen
(e) Sixteen

Answer – (a)
Explanation -

	G	H		E			D	A	F		B				C
	43	50		27			20	38	45		33				40

Q.10) Who among the following scored the highest runs?
(a) G
(b) H
(c) F
(d) C
(e) D

Answer – (b)
Explanation -

	G	H		E			D	A	F		B				C
	43	50		27			20	38	45		33				40

(Instruction for Q.11 to Q.14)
Read the given information carefully and answer the questions given below:
Eight friends namely G, O, T, L, M, K, A and R were born in different months among January, March, April, July, September and November. Three persons were born in same month. Each of them is from different Cities viz. Kolkata, Patna, Nainital, Agra, Lucknow, Dehradun, Pune and Ranchi. All the above information is not necessarily in the same order.
The one who is from Dehradun was born in the month having less than 31 days. T is from Kolkata. G and M were born in same month. Persons who is from Agra and Patna were born in November. L is from Lucknow and he was born in the month having 31 days but not in March. R is from Ranchi and he was born in April. The one who is from Kolkata was

born in the month having 30 days after July but before November. The one who is from Pune was born in month having 31 days before April. K was born in July and he is from Nainital. A is from Agra and M is not from Patna.

Q.11) Who among the following was born in the month of November?

    (a) The one who is from Kolkata
    (b) The one who is from Lucknow
    (c) A
    (d) L
    (e) None of these

Answer – (c)
Explanation -

G	Patna	Nov
O	Pune	Mar
T	Kolkata	Sep
L	Lucknow	Jan
M	Dehradun	Nov
K	Nainital	Jul
A	Agra	Nov
R	Ranchi	Apr

Q.12) Who among the following persons was born in the month having 31 days?
    (a) G
    (b) O
    (c) T
    (d) Both 1 and 2
    (e) Both 2 and 3

Answer – (b)
Explanation -

G	Patna	Nov
O	Pune	Mar
T	Kolkata	Sep
L	Lucknow	Jan
M	Dehradun	Nov
K	Nainital	Jul
A	Agra	Nov
R	Ranchi	Apr

Q.13) Who among the following persons is from Pune?
- (a) G
- (b) M
- (c) O
- (d) Either 1 or 3
- (e) None of these

Explanation -

G	Patna	Nov
O	Pune	Mar
T	Kolkata	Sep
L	Lucknow	Jan
M	Dehradun	Nov
K	Nainital	Jul
A	Agra	Nov
R	Ranchi	Apr

Q.14) Which among the following statements is definitely true?
- (a) O and M were born in the month having 30 days.
- (b) There is a gap of six months between the birth months of R and the one who is from Nainital.
- (c) O and M is from Dehradun and Pune respectively.
- (d) One who is from Patna and the one who is from Kolkata were born in same month.
- (e) None of these

Answer – (e)
Explanation -

G	Patna	Nov
O	Pune	Mar
T	Kolkata	Sep
L	Lucknow	Jan
M	Dehradun	Nov
K	Nainital	Jul
A	Agra	Nov
R	Ranchi	Apr

(Instructions for Q.15 to Q.17)
Study the following information and answer the questions.
Seven friends, namely L, M, N, O, P, Q and R, like different animated movies, namely Finding Nemo, Rio, Frozen, Up, Lion King, Shrek and Cars, but not necessarily in the same order. Each friend also has a presentation on topics of different subjects, namely Civics, History, English, Geography, Chemistry, Physics and Biology but not necessarily in the same order.

Q has a presentation on Civics and likes neither Frozen nor Up. The one who likes Finding Nemo has a presentation on History. L likes Rio and has a presentation neither on Geography nor on Chemistry. The one who likes Cars has a presentation on Biology. M has a presentation on Physics and does not like Up. The one who likes Up does not have a presentation on Chemistry. O likes Lion King. R does not have a presentation on History and does not like Up. P does not like Up.

Q.15) On which of the following subjects does P have a presentation?
- (a) Chemistry
- (b) English
- (c) Biology
- (d) Geography
- (e) Other than those given as options

Answer – (e)
Explanation -

L	English	Rio
M	Physics	Frozen
N	Geography	Up
O	Chemistry	Lion King
P	History	Finding Nemo
Q	Civics	Shrek
R	Biology	Cars

Q.16) Four of the following five form a group as per the given arrangement. Which of the following does not belong to that group?

- (a) R-Cars
- (b) Q-Shrek
- (c) N-Up
- (d) P-Rio
- (e) M-Frozen

Answer – (d)
Explanation -

L	English	Rio
M	Physics	Frozen
N	Geography	Up
O	Chemistry	Lion King
P	History	Finding Nemo
Q	Civics	Shrek
R	Biology	Cars

Q.17) Which of the following combinations is definitely correct?
- (a) N - Chemistry
- (b) R - History
- (c) L - English
- (d) P - Geography
- (e) All the given combinations are definitely correct

L	English	Rio
M	Physics	Frozen
N	Geography	Up
O	Chemistry	Lion King
P	History	Finding Nemo
Q	Civics	Shrek
R	Biology	Cars

(Instructions for Q.18 to Q.20)
Study the following information carefully and answer the questions given below:
F, G, H, I, J, K, L, M and N are nine college friends in which K, L, M and N are boys and the remaining five are girls. They are divided into three groups, viz, A, B and C, for three projects. There must be at least three persons with at least one boy in each group.
F and L are in the same group. M is in the group which consists of either F or I or both, but M must be in group A. F and G cannot work on the same project. K and J work on the same project. Both G and J are in the same group. I, H and J are members of different groups. J must be in group B. M and L can't be in the same group.

Q.18) Which of the following groups consists of two male persons?
- (a) A
- (b) B
- (c) C
- (d) Either A or B
- (e) Either B or C

Person	Gender	Group
F	Female	C
G	Female	B
H	Female	C
I	Female	A
J	Female	B
K	Male	B
L	Male	C
M	Male	A
N	Male	A

Q.19) Which of the following pairs cannot be the members of the same group?

    (a) L, H
    (b) G, K
    (c) I, F
    (d) I, N
    (e) K, J

Answer – (c)

Explanation -

Person	Gender	Group
F	Female	C
G	Female	B
H	Female	C
I	Female	A
J	Female	B
K	Male	B
L	Male	C
M	Male	A
N	Male	A

Q.20) Which of the following are the members of group C?

    (a) M, N, J
    (b) H, F, L
    (c) I, N, K
    (d) L, G, H
    (e) F, H, I

Answer – (b)

Explanation -

Person	Gender	Group
F	Female	C
G	Female	B
H	Female	C
I	Female	A
J	Female	B
K	Male	B
L	Male	C
M	Male	A
N	Male	A

2022(Q.21 to Q.50) Morning Shift

Q.21) Identify the wrong part in the sentence.

(1) Sea Lions are able to / (2) rotate their back flippers under / (3) their body, which allows / (4) them to walk in land

(a) 1

(b) 2

(c) 3

(d) 4

(e) None are incorrect

Answer – (d)

Explanation –

The very first thing to consider in such type of questions is to strengthen your grammatical concepts. If you are not clear with the basics, handling such questions would be a hard nut to crack for you. I am going to tell you some basic rules which you can remember while answering these questions.

However, you can follow some rules to make the process of identifying the right answers easy.

Firstly, check and identify the part of the speech (whether it is adjective, adverb, noun, pronoun etc.) in the sentence. Second, identify the type of sentence (whether the sentence is an interrogative, affirmative, or a negative one). Third, check punctuation errors (and this is going to be the easiest one). Fourth, identify the subject-verb agreement of the sentence.

If you follow these steps, it will become easier for you to answer these questions. Like in this question, the mistake was of the preposition i.e., 'in land' -> 'on land'.

Q.22) Identify the wrong part in the sentence.

(1) Oil Prices had already begin / (2) climbing this year as a / (3) result of the crisis

(a) 1

(b) 2

(c) None are incorrect

(d) 3

(e) 2 and 3

Answer – (a)

Explanation –

Same steps as mentioned in the above question's explanation should be followed. In this question, the error is of the verb. The entire sentence is in the past perfect tense; therefore, the past participle form of the verb 'begin' should have been used i.e., 'begun'.

Q.23) Identify the wrong part in the sentence.

(1) There have been a rapid / (2) transformation in the business / (3) scenario in the country after / (4) the introduction of digital banking

(a) 1

(b) 2

(c) 3

(d) None are correct

(e) 4

Answer – (a)

Explanation –

If you look carefully, you will find the problem of subject-verb agreement in the sentence. The sentence is talking about the transformation in business, which is a singular noun. Hence, the auxiliary verb 'has' must be used instead of 'have'.

Q.24) Identify the wrong part in the sentence.

(1) An edited version of / (2) the article was published / (3) in the newspaper / (4) to avoid controversy.

(a) 1

(b) 2

(c) None are incorrect

(d) 3

(e) 4

Answer – (c)

Explanation –

To solve the question of error spotting, you should follow a systematic approach. Firstly, check and identify the part of the speech (whether it is adjective, adverb, noun, pronoun etc.) in the sentence. Second, identify the type of sentence (whether the sentence is an interrogative, affirmative, or negative one). Third, check punctuation errors (and this is going to be the easiest one). Fourth, identify the subject-verb agreement of the sentence.

Q.25) Identify the wrong part in the sentence.

(1) The working environment in an / (2) organization dependent / (3) on the nature of communication strategies / (4) to a great extent

(a) 1

(b) 2

(c) 3

(d) 4

(e) None are incorrect

Answer – (b)

Explanation –

Instead of 'dependent', 'depends' on should be used.

In this paper, you have seen many questions have been asked from spotting the error topic. So, practice this topic thoroughly. You should strengthen your grammatical concepts. If you are not clear with the basics, handling such questions would be a hard nut to crack for you.

Q.26) In which of the following sentences is the given phrase aptly used?

"UNDER THE WEATHER"

I) The child did not speak much as he was feeling under the weather.

II) The clouds in the sky were under the weather due to the impending storm.

III) Many employees could come to office as they were feeling under the weather.

(a) Only I

(b) Only II and III

(c) Only III

(d) None are correct

(e) Only I

Answer – (a)

Explanation –

To tackle questions of this nature, focus on enhancing your vocabulary and improving your grammar. Daily practice with new phrases, synonyms, antonyms, and idioms is essential. Lastly, consistent practice is key

Q.27) In which of the following sentences is the given phrase aptly used?

"COME UP WITH"

I) Lifeguards are trained in how to react in order to come up with emergency situations.

II) Engineers are trying to come up with sustainable renewable energy solutions.

III) The child could not come up with an appropriate answer to teacher's question.

(a) Only I

(b) Only II

(c) Only II and III

(d) Only I and II

(e) All are incorrect

Answer – (c)

Explanation –

To tackle questions of this nature, focus on enhancing your vocabulary and improving your grammar. Daily practice with new phrases, synonyms, antonyms, and idioms is essential. Lastly, consistent practice is key

Q.28) In which of the following sentences is the given phrase aptly used?

"LAY OFF"

I) The doctor advised the patient to lay off cigarettes for the rest of her life

II) The flight to New York had a lay off in London

III) The company was forced to lay off hundreds of workers due to the recession

(a) Only I

(b) Only I and II

(c) Only III

(d) Only II and III

(e) None are correct

Answer – (c)

Explanation –

To tackle questions of this nature, focus on enhancing your vocabulary and improving your grammar. Daily practice with new phrases, synonyms, antonyms, and idioms is essential. Lastly, consistent practice is key

Q.29) In the below-mentioned question, some words are underlined. Some or all of these words have been wrongly placed in the sentence. Interchange the wrong words in the sentence.

Every four (A) two, intelligence agencies put out a (B) world assessment of where the (C) detailed seems (D) headed over the next (E) years decades.

(a) Only A-E

(b) A-B and C-D

(c) A-E and B-C

(d) Only A-B and C-D

(e) Only C-D

Explanation –

The correct sentence is: "Every four years, intelligence agencies release a detailed report predicting global trends for the next two decades. It's important to grasp the context of the sentence."

Q.30) In the below-mentioned question, some words are underlined. Some or all of these words have been wrongly placed in the sentence. Interchange the wrong words in the sentence.

The **(A) from** marked the **(B) extraction** of natural resources **(C) feat** the environment of **(D) direct** planet for **(E) another** use by humans.

(a) A-C and D-E

(b) B-C and A-D

(c) A-E and B-C

(d) A-B and C-D

(e) B-D and A-E

Answer – (a)

Explanation –

"The feat marked the extraction of natural resources from the environment of another planet for direct use by humans." You should try to understand the context of the sentence to answer these questions.

Q.31) In the below-mentioned question, some words are underlined. Some or all of these words have been wrongly placed in the sentence. Interchange the wrong words in the sentence.

The report **(A) said** that the **(B) down** ministry plans to cut **(c) Railways** more than it had **(D) declared** in its clearance **(E) application**.

(a) A–B

(b) B-E

(c) B-C

(d) A-E

(e) C-D

Explanation –

The report said that the Railways ministry plans to cut down more than it had declared in its clearance application. You should try to understand the context of the sentence.

Q.32) In the below-mentioned question, some words are underlined. Some or all of these words have been wrongly placed in the sentence. Interchange the wrong words in the sentence.

After meeting with the (A) coach, Riya was (B) encouraged to try (C) out for the (D) team.

(a) A-B

(b) B-D

(c) No change

(d) A-C

(e) C-D

Answer – (c)

Explanation –

The sentence has no error. Thus, it is grammatically correct.

Q.33) In the below-mentioned question, some words are underlined. Some or all of these words have been wrongly placed in the sentence. Interchange the wrong words in the sentence.

Scientists have (A) discrepancies (B) found in the (C) amount of carbon (D) emission reported by countries and (E) independent agencies.

(a) B-C

(b) A–B

(c) C-D

(d) D-E

(e) A-D

Answer – (b)

"Scientists have found discrepancies in the amount of carbon emission reported by countries and independent agencies."

Q.34) Replace the underlined word from the options given below.

Sleeplessness over prolonged periods of time is sure to <u>tell</u> on your health.

(a) None

(b) To influence

(c) Impacted on

(d) Take a toll on

(e) Shakes up

Answer – (d)

Explanation –

The first essential step in answering this type of question is to strengthen your vocabulary and review your grammar concepts. Learn new phrases, synonyms, antonyms, and idioms daily. Without understanding the exact meanings of phrases, it will be challenging to use them correctly. Aim to learn five new words each day and practice them regularly. Lastly, remember that consistent practice is key. Understanding the correct usage of phrases like "take a toll on" is crucial to solving such questions.

Q.35) Replace the underlined word from the options given below.

It is important to <u>keep in mind</u> that this treaty is the national issue for each of the countries involved.

(a) Thinking about

(b) Be mindful of

(c) Be careful that

(d) Take into consideration

(e) None to be replaced

Answer – (d)

Explanation –

To solve this type of question, it's essential to understand the usage of phrases like "take into consideration" and the other options provided. Since the choices often appear similar, it's crucial to build a strong vocabulary.

Q.36) Replace the underlined word with the options given below.

The new tax laws were <u>rammed through</u> despite people opposing it.

(a) Smashed into

(b) Enforced

(c) None to be replaced

(d) Knocked against

(e) Collided against

Answer – (b)

Explanation –

Rammed through means to force the passage or acceptance of usually over considerable opposition.

Q.37) Replace the underlined word from the options given below.

A clinical trial was performed to show the efficacy and, <u>within limits</u>, assess the effect of the treatment.

(a) through and through

(b) to some extent

(c) understandably

(d) None

(e) be degree

Answer – (b)

Explanation –

To answer these questions, the key step is to strengthen your vocabulary and review your grammar. Learn new phrases, synonyms, antonyms, and idioms daily, and make sure to grasp the full meaning of sentences. Lastly, remember to keep practicing regularly.

Q.38) Replace the underlined word with the options given below.

The company wanted to <u>break away</u> from its traditional, down-market image.

(a) None can replace

(b) disentangle

(c) become independent

(d) separate from

(e) cut loose

Answer – (c)

To answer these questions, the key step is to strengthen your vocabulary and review your grammar. Learn new phrases, synonyms, antonyms, and idioms daily, and make sure to grasp the full meaning of sentences. Lastly, remember to keep practicing regularly.

Instructions for Q.39 to Q.43 - **Read the passage and answer the questions that follow.**

Artificial Intelligence (AI) has revolutionized various industries, including healthcare, education, and the airline industry. The use of AI has enabled these industries to become more efficient, accurate, and personalized.

In the education sector, AI has the potential to transform the way students learn. AI-powered learning systems can adapt to the student's learning pace, interests, and learning style. This helps in creating a personalized learning experience for the students. AI can also execute the process of skill mapping, which identifies the skills of the students and provides recommendations on how to improve them. Furthermore, AI can help in setting question papers according to the curriculum, making the entire process more efficient and accurate.

The airline industry has also benefited from AI. Airlines are using AI to gauge the best time to buy airline tickets, predict flight delays, and monitor baggage handling. AI is also used to monitor weather patterns and air traffic, helping airlines to make informed decisions about flight schedules and routes.

In the healthcare industry, AI has the potential to improve patient outcomes and reduce healthcare costs. AI-powered diagnostic tools can analyze medical images, such as X-rays and MRIs, with greater accuracy and speed than humans. AI can also help in predicting disease outbreaks and identifying high-risk patients. Additionally, AI can analyze electronic health records and provide personalized treatment recommendations.

Q.39) Identify the correct statement about the use of AI in airlines, as mentioned in the passage.

(a) The analysis provided by AI aids in making informed decisions

(b) New safety measures are formulated using AI, which are then implemented by the crew members

(c) AI, while determining the flight route, fail to consider weather condition

(d) AI has been implemented to improve the work ethos of airline staff through various tutorials

(e) Due to patch network, AI support can't be banked upon

Answer – (a)

Explanation –

The passage is an easy one. The third paragraph details about the usage of AI in airline.

Q.40) Identify the correct statement about the use of AI in education, as mentioned in the passage.

(i) It adapts itself according to the student's interest

(ii) It executes the process of skill mapping

(iii) It helps in setting question paper according to curriculum

(a) Only I and II

(b) Only II

(c) Only I, II, and III

(d) Only II and III

(e) Only III

Answer – (c)

Explanation –

The second paragraph dwells on the use of AI in education sector.

Q.41) Which word can replace the "Gauge" in the passage?

(a) Assess

(b) Monitor

(c) Analyse

(d) Measure

(e) Examine

Answer – (a)

Explanation –

If you understand the context of the passage and especially the paragraph third on use of AI in airlines, then you can guess the meaning of gauge is 'to assess'.

Q.42) In what manner is AI helpful in the healthcare industry?

(1) AI is helping doctors diagnose diseases more accurately and efficiently

(2) AI is providing personalized treatment plans for individual patients

(3) AI is assisting in the development of new drugs and medical technologies

(4) AI is helping in analyzing the electronic health records

(5) AI is helping in ensuring the drug administration to the targeted individuals

Options:

(a) Only 1 and 2

(b) Only 1, 3, and 5

(c) Only 2, 3, and 4

(d) Only 1, 2, and 4

(e) Only 1, 2, 3, and 4

Explanation –

The last paragraph of the passage details about the use of AI in healthcare sector.

Q.43) Which of the following titles is apt for the passage?

(a) Penetration of AI

(b) Using AI to Transform Lives

(c) Synergy between Human and AI

(d) Exploring the Applications of AI

(e) A Case Study on AI

Explanation –

The best title for the passage could be "Exploring AI Applications" as it discusses the use of AI in education, healthcare, and the airline industries.

Instructions for Q.44 to Q.45 - **The sentences given in each of the following questions, when properly sequenced, form a coherent paragraph. Each sentence is indicated with a number. Choose the most logical order of sentences that constructs a coherent paragraph and mark the correct sequence:**

Q.44)

(1) Assam and West Bengal account for two-thirds of elephant mortality in train hits, followed by Uttarakhand, Jharkhand, Tamil Nadu, Uttar Pradesh, Kerala and Orissa.

(2) Aided by extensive research, it identified key factors that raise the risk for the animals.

(3) The death of seven elephants in a train hit in West-Bengal's Jalpaiguri district is a grim reminder that little has been done to stop such slaughter in various states.

(4) These include dispersed water sources, steep embankments along rail tracks, sharp turnings and sheer speed of trains.

(5) Only a month ago, a comprehensive report of the Elephant task Force of the Ministry of Environment and Forests titled "Gajah: Securing the Future for Elephants in India" presented a road map to reduce elephant mortality in train accidents.

Options:

(a) 12345

(b) 54321

(c) 32415

(d) 34251

(e) 31524

Explanation -

Statement (3): This sentence, which states the main idea of the passage, is the introductory statement.

Statement (1): This statement which talks about elephant mortality in Assam and West Bengal and in other states follows 3.

Statement (5): This statement, which talks about what measures the government has initiated to reduce elephant mortality follows 1.

Statement (2): 'it' in statement 2 refers to the report released by the Ministry of Environment and Forest mentioned in 5.

Statement (4): 'these' in 4 refers to the 'key factors' mentioned in 2. Hence 4 follows 2.

Hence the right sequence is 31524.

Q.45)

(1) There were demands to expand this policy by incorporating organic waste like Biogas, Green Manure, organic compost of rural areas, solid/liquid slurry, etc.

(2) This expansion will fully complement the Swachh Bharat Abhiyan of the Government of India.

(3) The Minister informed that Government is planning to liberalise Market Development Assistance (MDA) Policy.

(4) MDA policy was earlier limited to city compost only.

(5) It will promote the use of alternative fertilizers.

Options:

(a) 12345

(b) 54321

(c) 21435

(d) 53421

(e) 35412

Explanation -

Statement (3): this sentence, which states the main idea (i.e., the MDA policy) of the passage, is the introductory sentence.

Statement (5): this sentence refers the objective of expansion of the policy, follows 3.

Statement (4): sentence 2 should follow 1 due to the use of the word 'this' which refers to the extension of policy, explained in 1.

So, 4 fits accurately before 1 and 2 as, it talks about the limitation of the policy.

Hence the right sequence is 35412.

Instructions for Q.46 to Q.48 - In the following question, there are four sentences. Each sentence has pairs of word(s)/ phrase(s) that are highlighted. From the highlighted word(s)/ phrase(s), select the most appropriate word(s)/ phrase(s) to form correct sentences. Then, from the options given, choose the best one.

Q.46) Choose the correct one:

(1) The revised salary will come into effect (A)/ affect (B) from January onwards.

(2) A delicious black currant (A)/ current (B) cake was served as the last course of the meal.

(3) The Venial (A)/ Venal (B) politician was caught red- handed while accepting a bribe.

(4) The eminent (A)/ imminent (B) cardio- thoracic surgeon won the Surgeon of The Year award.

Options:

(a) BAAA

(b) AABA

(c) ABBB

(d) ABBA

(e) ABAB

Answer – (b)

Explanation –

Something comes into effect i.e.; something begins to happen. Hence A.

Only the word 'currant', meaning a small black dried grape without seeds, makes sense here. Hence A.

The word venal meaning corrupt is the apt word here. Therefore B.

Eminent- meaning famous is the right word to be used here. Hence A.

Hence, AABA.

Q.47) Choose the correct one:

(1) Harish tried to <u>diffuse (A)</u>/ <u>defuse (B)</u> the highly charged atmosphere in the room by cracking a joke.

(2) Children should be apprised of the importance of <u>oral (A)</u>/ <u>aural (B)</u> hygiene.

(3) I made <u>discreet (A)</u>/ <u>discrete (B)</u> enquiries about his conduct and character before offering him employment.

(4) See that you are up to date with your lessons, there is no use <u>pouring (A)</u>/ <u>poring (B)</u> over your books in the last minute.

Options:

(a) ABAA

(b) BBBB

(c) BAAB

(d) AABB

(e) ABAB

Answer – (c)

Explanation –

 To defuse is to make a difficult or dangerous situation calmer by reducing or removing its cause. Obviously 'B' suits the context.

The word oral which means of or relating to the mouth is app here- A.

The word discreet meaning secret is apt in the given context. Hence A.

To pour over something is to look at and study something carefully. hence- B.

So, the answer is BAAB.

Q.48) Choose the correct one:

(1) The management <u>censored (A)/ censured (B)</u> him for his irresponsible behaviour.

(2) The food in this restaurant caters to the taste of even the most discriminating <u>palate (A)/palette (B)</u>.

(3) I finally decided to <u>broach (A)/ brooch (B)</u> the subject of my salary hike with my boss.

(4) The hostess treated us to a lavish seven <u>course (A)/coarse (B)</u> meal.

Options:

(a) AAAB

(b) BAAA

(c) BBAA

(d) BABA

(e) ABAB

Answer – (b)

Explanation –

Censure is to criticize or reprimand someone for wrong- doing. Hence B.

The word palate which refers to the top part of the inside of the mouth also refers to a person's ability to taste and judge good food. Hence, only the word Palate suits the context. Therefore A.

To broach a subject is to begin a discussion of something difficult. It is obvious that only 'A' suits the context.

The course of a meal refers to a part of meal which is served separately from the other parts. Only 'A' suits the context.

Hence, BAAA.

Instructions for Q.49 to Q.50 - **There are two blanks in the following sentences. From the pairs of words given below each sentence, choose that pair that fills the blanks most appropriately.**

Q.49) _____ of GDP and its growth rate is extremely important and these are important indicators of the ___ of the economy.

(a) calculation, shape

(b) assumption, size

(c) estimation, performance

(d) performance, activities

(e) target, operations

Explanation –

You should build a strong vocabulary to clear the competitive exams' English. For this purpose, you should read editorials from the newspaper daily. It will not only help in increasing the speed of reading but also aid in enhancing your vocabulary.

Q.50) _____ to stricter fuel standard is one way to_____ air pollution.

(a) going, ward off

(b) viewing, put off

(c) deciding, abolish

(d) regulating, doing away with

(e) upgrading, tackle

Answer – (e)

Explanation –

The most fundamental step to answer this type of question is to build a strong vocabulary and brush up on your grammar concepts. Learn new phrases, synonyms, antonyms, and idioms every day.

Q.51) Margin that is added to the binding side of the page when printing is called?
(a) Gutter Margin
(b) End Margin
(c) Headline Margin
(d) Middle Margin
(e) None of the above

Answer – (a)
Explanation -

Gutter margin adds extra space to the side margin, top margin, or inside margins of a document that you plan to bind.

Q.52) Which is the first browser to act as a text based browser?
(a) Mosaic
(b) Lynx
(c) Netscape Navigator
(d) Opera
(e) Internet Explorer

Answer – (b)
Explanation -

Lynx was the first text based web browser. It is a free program that can be installed on multiple operating systems including Windows, Mac and Unix/Linux based machines.
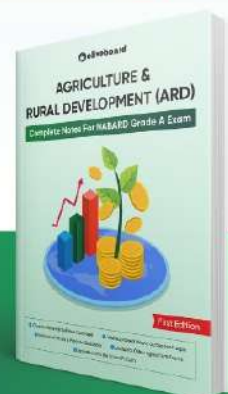
Q.53) In Ms excel, one can use the present value to predict / calculate the future value including repayments and interest rate. Which command can be used to find the future value?

    (a) FV(rate,pmt,[pv],[type])
    (b) FV(rate,nper,[pv],[type])
    (c) FV(rate,nper,pmt,[pv],[type])
    (d) FV(rate,nper,pmt,type)
    (e) FV(rate,nper,[pmt],[pv])

Answer - (c)

Explanation -

FV, one of the financial functions, calculates the future value of an investment based on a constant interest rate. You can use FV with either periodic, constant payments, or a single lump sum payment.

Q.54) In Ms excel, an entire column can be selected using the following command?

    (a) Shift + the spacebar
    (b) Ctrl + shift + the spacebar
    (c) Alt + the spacebar
    (d) Ctrl + the spacebar
    (e) Fn + the spacebar

Answer – (d)

Explanation -

To select an entire column, one can click the column letter at the top of the sheet or press 'Ctrl + the spacebar' on keyboard so long one is in one of the cells in the column you are selecting.

Q.55) The 1's complementary in a binary of 1000 is?

    (a) 1100
    (b) 0111
    (c) 1110
    (d) 1101
    (e) 1001

Answer – (b)

Explanation -

For finding 1's complement of the given number, change all 0's to 1 and all 1's to 0.

Q.56) In Microsoft PowerPoint presentation, to select one hyperlink after another during a slide presentation, the following keyboard key is pressed?

    (a) Shift
    (b) Ctrl
    (c) Tab
    (d) Alt
    (e) Fn

Answer – (c)

Explanation -

In the Microsoft PowerPoint presentation, to go to the next hotspot on the current slide (Hotspots include hyperlinks, animation triggers, audio objects, and video objects), press Tab.

Q.57) What do you mean by warm boot?
   (a) The mechanism of starting a computer system after it has been turned off.
   (b) The process of starting the computer system by pressing the power button.
   (c) Process of booting the system using the BIOS operating system.
   (d) The act or process of restarting a computer without turning off the power.
   (e) Last way to boot a computer designed to change the BIOS.

Answer – (d)
Explanation -
Cold booting This occurs when a computer is powered on for the first time or after being completely shut down, and the system starts up when the power button is pressed.
Warm booting This is the process of restarting a computer without turning it off. The system restarts without needing to be completely powered down.

Q.58) In MS word, which symbol can be used in naming the document?
   (a) /
   (b) <
   (c) ?
   (d) _
   (e) *

Answer – (d)
Explanation -
The following symbols cannot be used in naming an MS Word document:
< > ? * / \ | : "

Q.59) Which one is the most suitable reason to use Macro in MS Office (Word, Excel, PPT, etc.)?
   (a) To Record Sound
   (b) To automate repetitive tasks
   (c) To Record Mouse Move
   (d) To Record Keystroke
   (e) None of the above

Answer – (b)
Explanation -
A macro is a series of commands and instructions that you group together as a single command to accomplish a task automatically.

Q.60) Which of the symbol appear in MS-Excel that says results are too long to fit in a cell?
   (a) $$$$
   (b) ####
   (c) ^^^^
   (d) ****
   (e) @@@@

Answer – (b)

in Excel means that the contents of the cell are too wide to be displayed in the column width. One needs to expand, or auto-fit, the column.

Q.61) What does dpi in printing means?
- (a) Dots per inch refers to the resolution of the output image or simply the resolution of the printer.
- (b) Disc per inch refers to the resolution of the output image or simply the resolution of the printer.
- (c) Dots per inch refers to the resolution of the input image or simply the resolution of the printer.
- (d) Disc per inch refers to the resolution of the input image or simply the resolution of the printer.
- (e) Dots per inch refers to the resolution of the image displayed on a computer monitor.

Answer – (a)

Explanation -

DPI, or dots per inch, is a measure of the resolution of a printed document or digital scan. The higher the dot density, the higher the resolution of the print or scan.

Q.62) FORTRAN is a computer programming language that is extensively used in numerical, scientific computing. FORTRAN is abbreviated as?
- (a) Formal Translator
- (b) Final Transmission
- (c) Formula Transmission
- (d) Final Translation
- (e) Formula Translation

Answer – (e)

Explanation -

Fortran was originally named after the contraction of Formula Translation, highlighting Fortran's origins as a language designed specifically for mathematical calculations.

Q.63) The shortcut control + semicolon is used to enter which of the following in Excel?
- (a) Current Memory
- (b) Current Time
- (c) Current Location
- (d) Current Date
- (e) Current Cell Number

Answer – (d)

Explanation -

Shortcut for current date: Ctrl + ;
Shortcut for current time: Ctrl + Shift + ;

Q.64) Ethernet generally uses which of the following topologies?
   (a) Bus topology
   (b) Ring topology
   (c) Star topology
   (d) Tree topology
   (e) Mesh topology
Answer – (a)
Explanation -
Network topology are the physical layout of the network that the locations of the computers and how the cable is run between them. A bus topology connects computers along a single or more cable to connect linearly. A network that uses a bus topology is referred to as a "bus network" which was the original form of Ethernet networks.

Q.65) Cache Memory is a very strong memory. It is a type of which of the following memory?
   (a) Virtual memory
   (b) RAM
   (c) ROM
   (d) Permanent Memory
   (e) PROM
Answer – (b)
Explanation -
Cache memory, which also is a type of random access memory, does not need to be refreshed. It is built directly into the CPU to give the processor the fastest possible access to memory locations and provides nanosecond speed access time to frequently referenced instructions and data.

Q.66) A virus that fools the user into the downloading and or executing them by pretending to be useful application is called as?
   (a) Malware
   (b) Trojan Horse
   (c) Spyware
   (d) Man in middle
   (e) Denial-of-service
Answer – (b)
Explanation -
A program that seems desirable or even useful but is in reality designed to steal information or harm the computer system. The term comes from the Greek story of the Trojan War. Adware is a form of Trojan Horse program. The Trojan Horse often gets into your computer when you click on an unsolicited ad or email to download a "free" copy of a program.

Q.67)You can copy cell formats from one cell to another by using the
   (a) COPY AND PASTE operation
   (b) Default font
   (c) Format painter
   (d) Formatting toolbar
   (e) Cross-reference

Explanation -

Format Painter is used to quickly apply the same formatting, such as color, font style and size, or border style, to multiple pieces of text or graphics.

Q.68) Which one of the following digital circuits is used as the basic component for storing data?
    (a) Register
    (b) Derived logic gates
    (c) Flip-flop
    (d) Counter
    (e) Multiplexer

Answer – (c)
Explanation -

Latches and flip-flops are the basic elements for storing information. They are made of logic gates. One latch or flip-flop can store a 1-bit of information.

Q.69) Ctrl+N is used to execute which task in MS-WORD?
    (a) Create a new doc file
    (b) Create a new text file
    (c) Create a new paragraph
    (d) Create and open a new doc file
    (e) Open a doc file

Answer – (d)
Explanation -

In Microsoft Word, Ctrl+N opens a new, blank document window.

Q.70)What is the full form of DOS?
    (a) Device Outsourcing System
    (b) Differential Operating System
    (c) Disc Outsourcing System
    (d) Device Operating System
    (e) Disc Operating System

Answer – (e)
Explanation -

A DOS, or disk operating system, is an operating system that runs from a disk drive. MS-DOS looked a lot like common command prompt on the computer today. It requires written commands to operate.

Instructions for Q.71 to Q.76
Consider the below data about number of applications to different colleges.
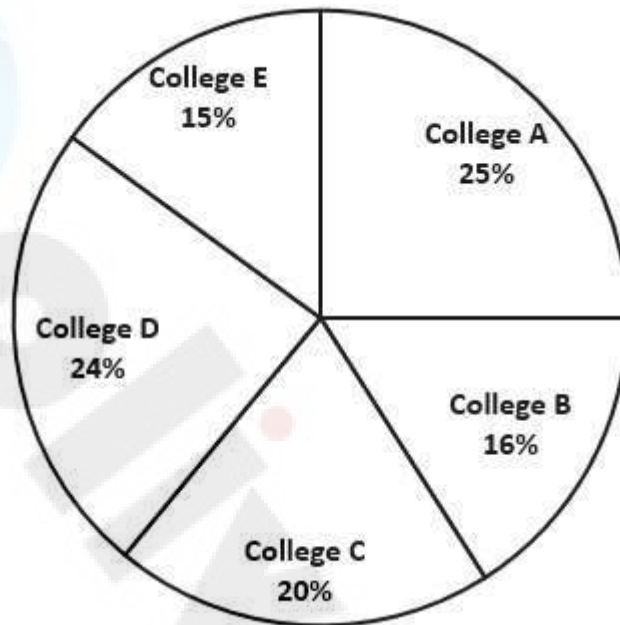
Note: The average of number of applications to colleges A, C and E is 100.

Q.71) If the ratio of number of applications received by College E and C together to the number of applications received by College X is 35:18, find the number of applications received by college X?

   (a) 90
   (b) 85
   (c) 60
   (d) 75
   (e) 80

Answer – (a)
Explanation -
Total number of applications to colleges A, C and E = 100 x 3 = 300
Total number of applications to colleges A, C and E in percentage = 25% + 20% + 15% = 60%
So, 60% = 300
Hence, 100% = 300/60% = 500
Number of applications received by C and E = 20% + 15% = 35%
35% of 500 = 175
Let the number of applications received by college X be 'P'.
Ratio = 175/P = 35/18
P = 175x18/35 = 90

Q.72) If the number of boys who applied in college D was 40% less than the number of girls who applied in the same college, then find out the number of boys who applied in college D?

    (a) 75
    (b) 60
    (c) 45
    (d) 50
    (e) 40

Answer – (c)

Explanation -

Total applications received by college D = 24% of 500 = 120
Let the number of girls = Y
So, number of boys = 0.6Y
Y + 0.6Y = 120
1.6Y = 120
Y = 120/1.6
Y = 75
Boys = 0.6Y = 0.6 x 75 = 45

Q.73) If the number of students who applied in college C was 10 more than the actual number, then the number of students who applied in college C is what percent of the number of students who applied in college A?

    (a) 80%
    (b) 72%
    (c) 90%
    (d) 75%
    (e) 88%

Answer – (e)

Explanation -

As per the question, number of applications received by C = 20% of 500 + 10 = 100 + 10 = 110
Number of applications received by A = 25% of 500 = 125
Required percentage = 110/125 x 100 = 88%

Q.74) The central angle of College B in degrees is

    (a) 86.4°
    (b) 57.6°
    (c) 72°
    (d) 54°
    (e) 90°

Answer – (b)

Explanation -

Percentage of applications received by college B = 16%
Central angle of college B = 16/100 x 360 = 57.6°

Q.75) What is the difference between the number of applications received by colleges A and B together and the number of applications received by college E?

    (a) 120
    (b) 125
    (c) 130
    (d) 135
    (e) 115

Answer – (c)

Explanation -

Number of applications received by A and B together = (25% + 16%) x 500 = 41% x 500 = 205
Number of applications received by E = 15% x 500 = 75
Required difference = 205 – 75 = 130

Q.76) Suppose the cost of application form in college E is Rs 100 for a boy and Rs 75 for a girl. Assume 40 boys applied in college E and the rest were girls. What is the total application amount received by college E?

    (a) Rs 6625
    (b) Rs 6500
    (c) Rs 7000
    (d) Rs 6400
    (e) Rs 6325

Answer – (a)

Explanation -

Total applications received by E = 15% x 500 = 75
Number of boys = 40
Number of girls = 75 – 40 = 35
Application money received = 100x40 + 75x35 = 4000 + 2625 = Rs 6625

Q.77) In Jar A, the ratio of milk to water is 4 : 1. 25 litres of mixture is poured from Jar A to Jar B which already has 'x' litres milk and 45 litres water. The final ratio of milk to water in Jar B is 7 : 5. Find x?

    (a) 70 litres
    (b) 50 litres
    (c) 62.5 litres
    (d) 45 litres
    (e) 55 litres

Answer – (b)

Explanation -

25 litres mixture in Jar A contains 20 litres milk and 5 litres water.
Initial milk in jar B = x
Final milk in jar B = x + 20
Initial water in jar B = 45
Final water in jar B = 45 + 5 = 50
Final ratio in jar B = 7/5
(x+20)/50 = 7/5
5x + 100 = 350
5x = 250

x = 50

Q.78) Solve the below two equations and mark the option which correctly describe the relation between the variable 'x' and 'y':

I. $3x^2 + 8x + 4 = 0$

II. $8y^2 + 6y + 1 = 0$

    (a) x > y

    (b) x < y

    (c) x ≥ y

    (d) x ≤ y

    (e) No relation can be established between x and y

Answer – (b)

Explanation -

$3x^2 + 8x + 4 = 0$

$3x^2 + 6x + 2x + 4 = 0$

$3x(x + 2) + 2(x + 2) = 0$

$(3x + 2)(x + 2) = 0$

x = -2/3, -2

$8y^2 + 6y + 1 = 0$

$8y^2 + 4y + 2y + 1 = 0$

$4y(2y + 1) + 1(2y + 1) = 0$

$(4y + 1)(2y + 1) = 0$

y = -1/4, -1/2

So, x < y

Q.79) Solve the below two equations and mark the option which correctly describe the relation between the variable 'x' and 'y':

I. $x^2 - 12 = 13$

II. $y^2 + 11y + 30 = 0$

    (a) x > y

    (b) x < y

    (c) x ≥ y

    (d) x ≤ y

    (e) No relation can be established between x and y

Answer – (c)

Explanation -

$x^2 - 12 = 13$

$x^2 = 25$

x = -5, 5

$y^2 + 11y + 30 = 0$

$y^2 + 5y + 6y + 30 = 0$

y(y + 5) + 6(y + 5) = 0

(y + 6)(y + 5) = 0

y = -6, -5

So, x ≥ y

Q.80) Solve the below two equations and mark the option which correctly describe the relation between the variable 'x' and 'y':

I. $3x^2 - 22x + 7 = 0$

II. $5y^2 - 14y + 8 = 0$

    (a) x > y

    (b) x < y

    (c) x ≥ y

    (d) x ≤ y

    (e) No relation can be established between x and y

Answer – (e)

Explanation -

$3x^2 - 22x + 7 = 0$

$3x^2 - x - 21x + 7 = 0$

$x(3x - 1) - 7(3x - 1) = 0$

$(x - 7)(3x - 1) = 0$

x = 7, 1/3

$5y^2 - 14y + 8 = 0$

$5y^2 - 10y - 4y + 8 = 0$

$5y(y - 2) - 4(y - 2) = 0$

$(5y - 4)(y - 2) = 0$

y = 4/5, 2

So, clearly no relation can be established between x and y.

Q.81) Consider the below given number series and identify the missing number.

3, 7, 22, 89, 446, ___

    (a) 2231

    (b) 3123

    (c) 2677

    (d) 1469

    (e) None of these

Answer – (c)

Explanation -

3 x 2 + 1 = 7

7 x 3 + 1 = 22

22 x 4 + 1 = 89

89 x 5 + 1 = 446

446 x 6 + 1 = 2677

Q.82) Consider the below given number series and identify the missing number.

96, 996, 371, 771, 546, ___

    (a) 446

    (b) 696

    (c) 396

    (d) 646

    (e) 596

Answer – (d)

Explanation -

996 – 96 = 900; 30^2 = 900
371 – 996 = -625; 25^2 = 625
771 – 371 = 400; 20^2 = 400
546 – 771 = 225; 15^2 = 225
646 – 546 = 100; 10^2 = 100

Q.83) Consider the below given number series and identify the missing number.
7, _____, 30, 48, 73, 107

(a) 20
(b) 15
(c) 17
(d) 18
(e) 16

Answer – (c)
Explanation -
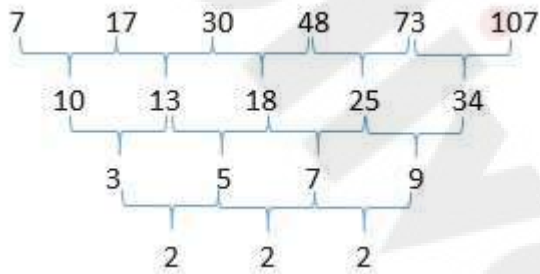
Q.84) 12 men can complete a work in 16 days. 10 women can do the same work in 24 days. 6 men leave after working for 8 days. Thereafter, 'X' women work for 4 days and complete the remaining work. What is the total men and women required to complete the work?

(a) 51
(b) 45
(c) 39
(d) 57
(e) 48

Answer – (a)
Explanation -
Total work = 12x16 = 192 man days
or 10 x 24 = 240 woman days
12m x 16 = 10w x 24
m/w = 5/4
Work done by 6 men in 8 days = work done by 5/4 x 6 women in 8 days
5/4 x 6 = 15/2 women
Work done by 15/2 women in 8 days = 15/2 x 8 = 60 woman days
Remaining work = 240 – 60 = 180 woman days
This remaining work is done by 'X' women.
X = 180/4 = 45 women
Total women and men required = 6 + 45 = 51

Q.85) Abhi's age (X) years ago is equal to Bhim's age (3X) years hence will be equal to Bhim's age 6 years hence. Find the difference between the age of Abhi and Bhim.

Note: X is a positive integer.

    (a) 9 years
    (b) 15 years
    (c) 18 years
    (d) 12 years
    (e) 10 years

Answer – (d)

Explanation -

A – X = B – 3X
B – A = 2X ------(1)
A + 3X = B + 6
B – A = 3X – 6 ------(2)
Equating (1) and (2),
2X = 3X – 6
X = 6
Difference between their age = 2X = 12 years

Q.86) A sum of Rs 18,000 is invested for 3 years and 5 years in Schemes A and B respectively (at simple interest). The ratio of the sum invested in the two schemes is 2 : 1. The rate of interest of scheme A was Y% p.a. and the rate of interest of scheme B is (Y+15)% p.a. If the interest from scheme A was 48% of scheme B, find Y.

    (a) 12
    (b) 10
    (c) 15
    (d) 8
    (e) 7.5

Answer – (b)

Explanation -

Sum invested in scheme A = 2/3 x 18000 = 12000
Sum invested in scheme B = 1/3 x 18000 = 6000
Interest earned from scheme A = (12000 x Y x 3)/100 = 360Y
Interest earned from scheme B = (6000 x (Y+15) x 5)/100 = 300Y + 4500
360Y = 48% x (300Y + 4500)
750Y = 300Y + 4500
450Y = 4500
Y = 10

Q.87) Ravi bought a TV at a discount of 20% on the marked price but was charged additionally 5% transportation charges. The TV was subsequently sold by him for Rs X at 25% profit. If the marked price was Rs 9000, find the amount of profit.

    (a) Rs 1800
    (b) Rs 2250
    (c) Rs 1890

(d) Rs 1440
(e) Rs 1512

Answer – (c)

Explanation -

MP = 9000

CP for Ravi = 105/100 (9000 x 0.80) = 21/20 x 7200 = 7560

Profit = 25% = 1/4 x 7560 = Rs 1890

Q.88) The ratio of the volume of a right circular cone to the volume of a cylinder is 3:10. The ratio of the radius of cone to the radius of cylinder is 3:2. If the height of the cylinder is 35 cm, find the height of the cone?

(a) 21 cm
(b) 14 cm
(c) 17.5 cm
(d) 18 cm
(e) 16 cm

Answer – (b)

Explanation -

Volume of right circular cone = $1/3 \times \pi r_1^2 h_1$

Volume of cylinder = $\pi r_2^2 h_2$

$1/3 \times \pi r_1^2 h_1 / \pi r_2^2 h_2 = 3/10$

$r_1^2 h_1 / 3 r_2^2 h_2 = 3/10$

$(3^2 \times h1) / (3 \times 2^2 \times 35) = 3/10$

h1 = 3 x 3 x 4 x 35 / 10 x 9

h1 = 14 cm

Q.89) There is a boat A which takes 3 hours 20 minutes to cover D1 km downstream. The same boat takes 5 hours to cover D2 km upstream. The ratio of D1 and D2 is 6:7. The speed of boat A in still water is what times the speed of the stream?

(a) 8 times
(b) 7 times
(c) 6 times
(d) 9 times
(e) 7.5 times

Answer – (a)

Explanation -

Let D1 = 6y

And D2 = 7y

Let speed of boat in still water be B and speed of stream be S

Speed downstream = B + S = 6y/(10/3) = 18y/10 = 9y/5 -----(1)

Speed upstream = B – S = 7y/5 -----(2)

Adding (1) and (2),

2B = 16y/5

B = 8y/5

S = y/5

B = 8S

Q.90) 'A' started a business with Rs 6,000. After 6 months, B joined with certain investment. After 2 months of B's joining, C joined with Rs 12,000. The total profit of the year was Rs 28,000 out of which B's share was Rs 8,000. What was the investment made by B?

    (a) Rs 6000
    (b) Rs 8000
    (c) Rs 9000
    (d) Rs 10000
    (e) Rs 7500

Answer – (b)
Explanation -

	A	B	C
Capital	6000	Y	12000
Time	12	6	4
Capital x Time	72000	6Y	48000

B's share in profit = 8000/28000 = 2/7
So, (A + C)'s share = 1 – 2/7 = 5/7
This 5/7 is to be bifurcated in 72000:48000 (= 3:2) ratio
A's share = 3/7; B = 2/7; C = 2/7
B's share = C's share
So, 6Y = 48000
Y = Rs 8000

Q.91) Which of the following is a quantitative method of decision making?
   (a) PERT
   (b) Rule of thumb
   (c) Psychological analysis
   (d) Decision making by creativity
   (e) Following standard procedure

Answer – (a)
Explanation -

PERT stands for Performance Evaluation and Review Technique. All the techniques except PERT are qualitative methods.

Q.92) Tendency to see a particular situation or issue from chosen perspective, influencing our ability to understand alternative or conflicting points of view or alternatives is called
   (a) Availability bias
   (b) Immediate gratification
   (c) Status quo bias
   (d) Hindsight bias
   (e) Selective perception

Answer – (e)
Explanation -
Selective perception occurs when the perceiver singles out certain information that supports or reinforces a prior belief and filters out information that does not confirm that belief. Selective perception relates closely to confirmation bias.

Q.93) Which of the following problem-solving tools is a visual means of displaying the sequence of activities and decisions that occur in a system or process over time?
   (a) Brainstorming
   (b) Benchmarking
   (c) Flowchart
   (d) Five Whys Analysis
   (e) Force Field Analysis

Answer – (c)
Explanation -
A flowchart is a diagram that shows the sequence of actions or events in a process or a system. It uses different shapes and symbols to represent the elements and the relationships between them. For example, a rectangle represents a task or an operation, a diamond represents a decision or a condition, and an arrow represents the direction of the

flow. Flowcharts help to break down a complex problem into smaller and simpler steps and organize them in a logical order.

Q.94) One of the barriers to good decision making is setting out to solve wrong problem because we have created a mental framework for our decision, with little thought, that causes us to overlook the best option or lose sight of important objectives. This is called
- (a) Failure to interpret feedback
- (b) Frame blindness
- (c) Not keeping track
- (d) Over confidence in our judgement
- (e) Short sighted shortcuts

Answer – (b)

Explanation -

Russo and Schoemaker have identified ten most common barriers that we often encounter in making good decisions in their book titled 'Decision Traps'. One of the taps in 'frame blindness' which could be avoided by understanding frames.

Q.95) The type of Data Analytics which is used to make forecasts about future trends and answer the question 'What might happen in the future' is called
- (a) Inferential analytics
- (b) Descriptive analytics
- (c) Predictive analytics
- (d) Diagnostic analytics
- (e) Prescriptive analytics

Answer – (c)

Explanation -

This is a factual question but can be answered if you know the meaning of 'Predictive'. Predictive analytics is the use of data to predict future trends and events. It uses historical data to forecast potential scenarios that can help drive strategic decisions.

Q.96) Most 'judgemental problems' are solved by
- (a) use of good judgement & minimizing possibility of undesired outcomes
- (b) habitual response, standard operating procedure
- (c) inventory reorder model, queueing theory, statistical analysis
- (d) frequent modification in strategies to match development in technology
- (e) computational techniques like linear programming and network analysis

Answer – (a)

Explanation -

This is a very generic question which can be answered by eliminating the options or choosing the most accurate answer. In decision making, some generic questions are also being asked which can be answered using common sense.

Q.97) In Root Cause Analysis (RCA), which of the following is the cause in case people did something wrong or did not do something that was needed?

    (a) physical cause
    (b) organizational cause
    (c) statutory cause
    (d) legislative cause
    (e) human cause

Answer – (e)

Explanation -

Root Cause Analysis (RCA) is a popular and often-used technique that helps people answer the question of why the problem occurred in the first place. There are three basic type of causes under RCA: Physical causes, Human causes and Organizational causes.

Q.98) Effective communication during decision making process will help to minimize

    (a) resistance and negative emotions
    (b) interest and receptivity
    (c) necessary support for changes
    (d) harmony and agreement
    (e) support and cooperation

Answer – (a)

Explanation -

All the other options except option A are positive attributes. So, the question speaks about minimization and we will naturally want to eliminate something which is negative. Hence, Option A is the right answer.

Q.99) Overconfidence about our judgement abilities and prediction accuracy, as we remember our successes and quickly forget our errors is called

    (a) Overconfidence trap
    (b) Estimating trap
    (c) Anchoring trap
    (d) Information overdose trap
    (e) Confirming evidence trap

Answer – (a)

Explanation -

Daniel Kahnemann and Amos Tversky found that individuals are influenced by overconfidence bias, hindsight bias, anchoring bias, framing bias, and escalation of commitment. Overconfidence bias occurs when individuals overestimate their ability to predict future events.

Q.100) Which of the following decision making style is suitable for a leader where there are more than one right answer and where cause effect relationship is discoverable but not immediately apparent?

    (a) avoidant style
    (b) conceptual style
    (c) behavioural style
    (d) analytic style
    (e) directive style

Answer – (d)

Explanation -

Analytic decision-makers examine much information before taking action. For example, analytic leaders rely on direct observation, data, and facts to support their decisions. These decision-makers have a high tolerance for ambiguity and are very adaptable, but they like to control most aspects of the decision process. This style is a well-rounded approach to decision-making but can be time-consuming.
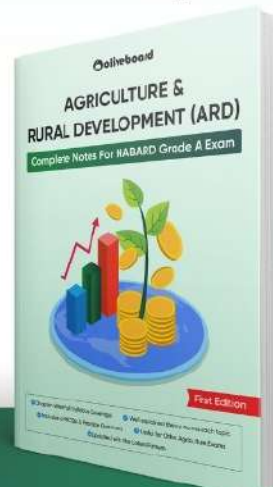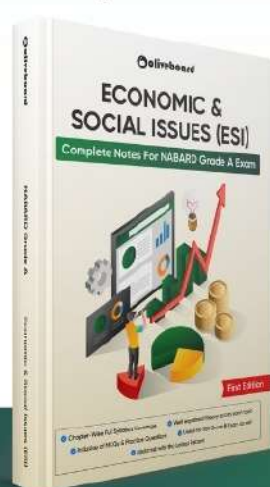
Q.101) 'Soul Curry for You and Me: An Empowering Philosophy that Can Enrich Your Life' book has been authored by which of the following famous Bollywood celebrities?

(a) Amitabh Bachchan

(b) Dilip Kumar

(c) Rajkumar Rao

(d) Anupam Kher

(e) Ayushman Khurrana

Answer – (a)

Explanation –

This question has been asked from the books and authors current affairs. All these kinds of news can be covered from some good newspapers like Livemint, Indian Express, Business Standard, Economic Times, The Hindu etc

Q. 102) India and Maldives are neighbours sharing a maritime border. What is the name of the channel that divides India and Maldives?

(a) Eight Degree Channel

(b) Six Degree Channel

(c) Nine Degree Channel

(d) Seventeen Degree Channel

(e) Eleven Degree Channel

Answer – (a)

Explanation –

This is a static general awareness question, so it's important to study these topics. Use sources like Lucent's book or Manorama's yearbook to cover static general awareness. To remember the facts, make sure to revise them frequently.

Q. 103) Atlantic Ocean is the second largest ocean on Earth followed by the Pacific Ocean. What percentage of Earth's surface is covered by the Atlantic Ocean?

(a) 20%

(b) 16%

(c) 31%

(d) 12%

(e) 11%

Answer – (a)

Explanation –

This is a static general awareness question, so it's important to study these topics. Use sources like Lucent's book or Manorama's yearbook to cover static general awareness. To remember the facts, make sure to revise them frequently.

Q. 104) Who is known as the "Warren Buffet of India"?

(a) Vijay Kedia

(b) Radhakrishna Damani

(c) Ratan Tata

(d) Rakesh Jhunjhunwala

(e) Azim Premji

Answer – (d)

Explanation –

This question might appear as a static GK question, but it is not so. It is rather a current affairs' question. So, always remember to look for the background facts related to the news to get good marks in the exam.

Q. 105) In July 2022, the third passenger train has been flagged off between India and Bangladesh between New Jalpaiguri and Dhaka Cantonment station. What is the name of the train?

(a) Bandhan Express

(b) Mitali Express

(c) Maitree Express

(d) Amarjyoti Express

(e) Samayak Express

Answer – (b)

Explanation –

This is a question from the national news. National news section includes important events, summits, conferences, initiatives of national importance. Such types of news are covered in Spotlight in the national news category.

Q. 106) In July 2022, India's public broadcaster Prasar Bharati had launched its new logo, featuring India's map in between. The elements in the central circle and map of India signify the service of trust, security, and _____ for the common man.

(a) Security

(b) Communication

(c) Perfection

(d) Integrity

(e) Patriotism

Answer – (c)

Explanation –

This is a question from the national news. National news section includes important events, summits, conferences, initiatives of national importance. Such type of news covered in daily GA current affairs class & PIB class.

Q. 107) Which two places have been listed by the TIME magazine among the "50 extraordinary destinations to explore" in its list of the world's greatest places of 2022 in the month of July 2022?

(a) Ahmedabad and Kerala

(b) Kolkata and Telangana

(c) Maharashtra and Vadodara

(d) Jaipur and Madhya Pradesh

(e) Gujarat and Kolkata

Answer – (a)

Explanation –

This question has been asked from the reports and indices. All the reports and indices released during the six months prior to the exam date are important

Q. 108) Which country launched its first lunar orbiter named 'Danuri' in August 2022?

(a) South Korea

(b) Brazil

(c) Argentine

(d) Namibia

(e) Egypt

Answer – (a)

Explanation –

It belongs to the international current affairs. Always remember to look for the background facts related to the news to get good marks in the exam.

Q. 109) In July 2022, which space agency released the deepest and sharpest infrared image of the distant galaxy named SMACS 0723?

(a) Japan Aerospace Exploration Agency

(b) Roscosmos

(c) National Aeronautics and Space Administration

(d) Brazilian Space Agency

(e) China National Space Administration

Answer – (c)

Explanation –

It belongs to the international current affairs. Always remember to look for the background facts related to the news to get good marks in the exam.

Q.110) Saikhom Mirabai Chanu won India's first gold medal at Commonwealth Games 2022 in _____ kg category?

(a) 49 kg

(b) 68 kg

(c) 112 kg

(d) 79 kg

(e) 88 kg

Answer – (a)

Explanation –

It is a sports-related news. It is a direct question.

Q.111) SHRESHTA is a scheme which is intended to bring social equality in the society by promoting quality education through providing admission to the students of SC category. The students, whose family income is up to _____, are eligible under this scheme.

(a) Rs.2.5 lakh

(b) Rs 3.6 lakh

(c) Rs 4.5 lakh

(d) Rs 8 lakh

(e) Rs 5.5 lakh

Answer – (a)

Explanation –

This is a question which has been asked directly from the government schemes. It is an integral part of the exam's general awareness syllabus.

Q.112) International Literacy Day is an international observance that aims to raise awareness and concern for literacy problems that exist within our own local communities as well as globally. Which date was announced by UNESCO for this day in 1966?

(a) October 10

(b) September 8

(c) July 7

(d) August 11

(e) August 17

Answer – (b)

Explanation –

International Literacy Day is celebrated on September 8. UNESCO announced the observance of this on 26 October 1966 at the 14th session of UNESCO's General Conference. This is a question asked from the important days.

Q.113) In August 2022, the Vembannur Wetland System was categorised into the list of Ramsar sites. In which state is the wetland located?

(a) Kerala

(b) Karnataka

(c) Tamil Nadu

(d) Andhra Pradesh

(e) Telangana

Answer – (c)

Explanation –

Always cover all the state-related news thoroughly. Also, pay attention to the treaties in news.

Q.114) In August 2022, INS Tarkash was stationed on a port to participate in the maritime exercise with which of the following countries?

(a) Kenya

(b) Brazil

(c) Paraguay

(d) Mozambique

(e) Ecuador

Answer – (b)

Explanation –

This is a defence news and a very basic question. Always cover the defence exercises conducted before the examination

Q.115) What is the length of India's coastline?

(a) 28,500 km

(b) 14,500 km

(c) 12,700 km

(d) 15,100 km

(e) 7,500 km

Answer – (e)

Explanation –

The total length of the coastline of the mainland, Lakshadweep Islands and Andaman & Nicobar Islands is 7,516.6 km.

Q.116) House of Commons and House of Lords are the two segments of the Parliament of which country?

(a) United Kingdom

(b) Germany

(c) United States of America

(d) Ireland

(e) Netherland

Answer – (a)

Explanation –

This is a static general awareness question. So, covering them is a must.

Q.117) Which country has replaced Russia in the United Nations Human Rights Council in May 2022?

(a) Czech Republic

(b) Slovenia

(c) Hungary

(d) Austria

(e) Namibia

Answer – (a)

Explanation –

It belongs to the international organizations. Always remember to look for the background facts related to the news to get good marks in the exam.

Q.118) In August 2022, Lok Sabha passed the Central Universities (Amendment) Bill, 2022 for the conversion of the National Rail and Transportation Institute, Vadodara into which of the following universities?

(a) National Drone University

(b) National University for Social Inclusivity

(c) National Teachers University

(d) Gatishakti Vishwavidyalaya

(e) Indian Institute of Technology, Vadodara

Explanation –

This is question from the national news. National news section includes important events, summits, conferences, initiatives of national importance. Such types of news are covered in GA magazine or PIB magazine miscellaneous Questions Category

Q.119) In June 2022, Dmitry Muratov had auctioned off his Nobel Prize for helping the children displaced by the war in Ukraine. In which field was he awarded the Nobel Prize in 2021?

(a) Peace

(b) Economics

(c) Physics

(d) Chemistry

(e) Literature

Answer – (a)

Explanation –

Important personalities which are in the news have been asked repeatedly in the examination of NABARD Grade A.

Q.120) Which of the following is India's first elevated urban expressway?

(a) Delhi–Meerut Expressway

(b) Dwarka Expressway

(c) Mumbai–Pune Expressway

(d) Ahmedabad–Vadodara Expressway

(e) Lucknow–Kanpur Expressway

Answer – (b)

Explanation –

This question is from the national news section. Whenever news about any "first" event is released, make sure to remember it, as such questions often appear in exams

Q.121) What is the Rank of India in the Global Gender Gap Report 2022?

(a) 132
(b) 135
(c) 137
(d) 139
(e) 142

Answer - (b)
Explanation -

The answer to this question is 135. If we categorize this question, it comes directly under FACTUAL TYPE OF QUESTIONS where the objective is to check your MEMORY.

Q.122) Which of the following sector is related to the Service sector?

(a) Retail
(b) Banking
(c) Real Estate
(d) Education
(e) All of the above

Q.123) After the amendment in Maternity Benefit Act, 1961 the leave was increased from 12 weeks to _____ for women in India.

(a) 22 Weeks
(b) 24 Weeks
(c) 26 Weeks
(d) 28 Weeks
(e) 30 Weeks

Q.124) Recently the premium for Pradhan Mantri Jivan Jyoti Bima Yojana (PMJJBY) was increased by the Central government, what is the new premium amount for the beneficiaries under PMJJBY?

(a) 420
(b) 436
(c) 440
(d) 450
(e) 460

Q.125) Who among the following is the implementing agency for Pradhan Mantri Shram Yogi Mandhan Yojana?

(a) United India Assurance Company
(b) National Insurance Company Limited
(c) United India Insurance Company Limited
(d) Life Insurance Corporation of India
(e) None of the above

Answer - (b)
Explanation -

It's easy if you cover PIB regularly. You see, this question has been picked up from PIB release and the same had been covered Government Schemes Class.

Q.126) Which of the following article is related to the Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth?

(a) Article 12
(b) Article 15
(c) Article 17
(d) Article 21-A
(e) Article 61

Answer - (b)
Explanation -
Article 15 is all about prevention of discrimination which falls under economic and social issue.

Q.127) Which of the following articles is related to the Right to Education under the Directive principle of state policy?

(a) Article 40
(b) Article 42
(c) Article 45
(d) Article 44
(e) Article 51

Answer - (c)
Explanation -

Article 45 originally required the State to offer free and compulsory education to children aged six to fourteen.

Q.128) What is the Rank of India in the Global Food Security Index 2021?

    (a) 69
    (b) 70
    (c) 71
    (d) 72
    (e) 73

Answer - (c)

Q.129) What is the rank of India in Gender Gap report?

    (a) 132
    (b) 135
    (c) 136
    (d) 137
    (e) None of the above

Answer - (b)

Q.130) How many states are there in the "Top Achievers" category of Business Reforms Action Plan 2020?

    (a) 5
    (b) 6
    (c) 7
    (d) 8
    (e) 9

Answer - (c)

Q.131) The Maintenance and Welfare of Parents and Senior Citizens Act was enacted in which of the following year?

    (a) 2007
    (b) 2008
    (c) 2009
    (d) 2010
    (e) None of the above

Answer - (a)
Explanation -

You can answer such factual questions only if you regularly follow Government schemes and PIB sessions.

Q.132) What is the share of agriculture in National income in FY22?

    (a) 2.5%
    (b) 2.8%
    (c) 3.2%
    (d) 3.6%
    (e) 3.9%

Answer - (d)

Q.133) As per Census 2011, which of the following state has the maximum number of senior citizens?

    (a) Kerala
    (b) Karnataka
    (c) Tamil Nadu
    (d) Uttarakhand
    (e) Gujarat

Answer - (a)
Explanation -

This question is from Census 2011. Such relevant data can be asked once or twice in exam. Government Schemes on Senior citizens are always seen in PIB and Current affairs.

Q.134) ESI scheme is applicable to all the beneficiaries whose monthly wage does not exceed.

    (a) Rs. 15000
    (b) Rs. 16000
    (c) Rs. 17000
    (d) Rs. 21000
    (e) Rs. 18500

Answer - (d)
Explanation -

Basic question from Employee's State Insurance Act.

Q.135) What is the minimum pension per month for the pensioners under the Employees' Pension Scheme (EPS), 1995?
    (a) Rs. 750
    (b) Rs. 1000
    (c) Rs. 1250
    (d) Rs. 1500
    (e) None of the above

Q.136) Which of the following ministries is associated with "Aazadi se Antoday take" campaign?

(a) Ministry of Culture and Tourism
(b) Ministry of Rural Development
(c) Ministry of Statistics and Programme Implementation
(d) Ministry of Cooperation
(e) None of the above

Answer - (b)

Q.137) How many kilometers of inland waterways will be built to navigable waterways and strategic locations on key international maritime trade routes?

(a) 13000 Kms
(b) 13650 Kms
(c) 14500 kms
(d) 15000 Kms
(e) None of the above

Answer - (c)
Explanation -

You can answer such factual questions only if you regularly follow CURRENT AFFAIRS of all kinds.

Q.138) Opium is legal in which of the following state along with Madhya Pradesh and Uttar Pradesh?

(a) Gujarat
(b) Rajasthan
(c) Tamil Nadu
(d) Karnataka
(e) Kerala

Answer - (b)

Q.139) Share of MSME Gross Value Added (GVA) in All India Gross Domestic Product at current prices (2011-12) for the year 2018-19 was _____ ?

(a) 25%
(b) 31%
(c) 30%
(d) 35%
(e) 40%

Q.140) How many eligible crops get the Minimum Support Price (MSP) under Kharif, Rabi, and commercial crops?

    (a) 12, 5 and 4
    (b) 14, 6 and 2
    (c) 16, 7 and 5
    (d) 18, 8 and 4
    (e) None of the above

Answer - (b)
Explanation -

Considering above question, MSP is an important topic from ESI and ARD point of view

Q.141) As per AISHE 2019-20 Report, what is the gross enrolment ratio for Schedule Cast students?

    (a) 22.2
    (b) 23.2
    (c) 23.4
    (d) 24.2
    (e) 25.12

Answer - (b)

Q.142) What is the highest inflation tolerance band as agreed by the RBI and the Government of India?

    (a) 4%
    (b) 4.5%
    (c) 5%
    (d) 6%
    (e) None of the above

Answer - (d)
Explanation -

permissible limit for INFLATION is 2 to 6.

Q.143) What is approx. collection of Income tax during FY 2021-22?

    (a) 10 Lakh Crore
    (b) 12 Lakh Crore
    (c) 13 Lakh Crore

(d) 14 Lakh Crore
(e) 16 Lakh Crore

Answer - (d)

Q.144) Which of the following Scheme is not related to the Senior Citizen of India?

[a] Rashtriya Vayoshri Yojana (RVY)
[b] National Social Assistance Programme
[c] Pradhan Mantri Vaya Vandana Yojana
[d] Pradhan Mantri Ujjwala Yojna
[e] None of the above

Answer - (d)

Q.145) Which of the following schemes is administered by Life Insurance Corporation?

(a) PM Ujjwala Yojna
(b) PM Samarth
(c) PM Vaya Vandana Yojana
(d) PM Gram Adarsh Yojna
(e) None of the above

Answer - (c)

Q.146) Which of the following scheme aims to provide a lump sum family benefit of Rs 10,000/- to the bereaved households in case of the death of the primary account holder in respective of the cause of death?

(a) National Family Benefit Scheme
(b) PM Jivan Jyotiyojana yojna
(c) PM Suraksha Bima Yojna
(d) PM Jan Dhan Yojna
(e) None of the above

Answer - (a)

Q.147) What percent of the total population is engaged in agriculture and allied activities as per the census 2011?

(a) 50.3%
(b) 51.5%
(c) 54.6%
(d) 56.4%
(e) None of the above

Answer - (c)

Q.148) What is the percentage of the rural population out of the total population as per the census 2011?

    (a) 45.23%
    (b) 49.33%
    (c) 55.35%
    (d) 68.84%
    (e) 69.45%

Answer - (d)

Q.149) What is the new premium amount for Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY)?

    (a) 436
    (b) 440
    (c) 450
    (d) 452
    (e) 462

Answer - (a)

Q.150) Which one of the following is not the component of PM Virasat ka Samvardhan (PM VIKAS) Yojana?

    (a) Seekho aur Kamao
    (b) USTTAD
    (c) SATAT
    (d) Hamari Dharohar
    (e) Nai Roshni and Nai Manzil

Answer - (c)

Q.151) Jal Jivan Mission started in the year 2019-20 and targeted with providing tap water connection by the year_____?

    (a) 2023
    (b) 2024
    (c) 2025
    (d) 2026
    (e) 2028

Answer - (b)

Q.152) Under which of the following article of Indian constitution, the state shall within the limits of its economics capacity and development make effective provisions for the sector securing the right to work, etc.

    (a) Article 41
    (b) Article 42
    (c) Article 45
    (d) Article 51
    (e) Article 61

Answer - (a)
Explanation -

Above article is a DPSP i.e., economic responsibility of state.
The State shall, within the limits of its economic capacity and development, make effective provision for securing the right to work, to education and to public assistance in cases of unemployment, old age, sickness and disablement, and in other cases of undeserved want.

Q.153) Forecasting Agriculture output using space, agrometeorological and land-based observation (FASAL), which organisation will generate multiple forecasts of crop yield of major crops during each season?

    (a) Survey of India
    (b) Geological survey of India
    (c) IMD, New Delhi
    (d) Department of Agriculture
    (e) None of the above

Answer - (c)

Q.154) How much amount has been invested by World Bank since the implementation of Pradhan Mantri Gram Sadak Yojna (PMGSY)?

    (a) $1.5 billion
    (b) $2.1 billion
    (c) $2.5 billion
    (d) $2.9 billion
    (e) None of the above

Answer - (b)

Q.155) What is the percentage decline in the annual per capita availability of water in India?

    (a) 70%
    (b) 72%
    (c) 75%
    (d) 80%
    (e) 85%

Q.156) According to the CMIE, what was the Labour force participation rate in rural India between January to April 2022?

(a) 30.45
(b) 38.6
(c) 39.5
(d) 40.9
(e) None of the above

Q.157) Which of the following is not the objective of Watershed Management -

(a) Pollution control
(b) Minimising over-exploitation of resources
(c) Water storage, flood control, checking sedimentation
(d) Wildlife preservation
(e) Sewerage Control

Q.158) Which of the following is the third poorest state as per multidimensional poverty index?

(a) Madhya Pradesh
(b) Karnataka
(c) Uttar Pradesh
(d) Uttarakhand
(e) None of the above

Q.159) In which of the following year National Career Service Launched?

(a) 2015
(b) 2016
(c) 2017
(d) 2018
(e) 2019

Q.160) What is the target year for Swachh Bharat Mission-Urban 2.0?

(a) FY 2022-23
(b) FY 2023-24
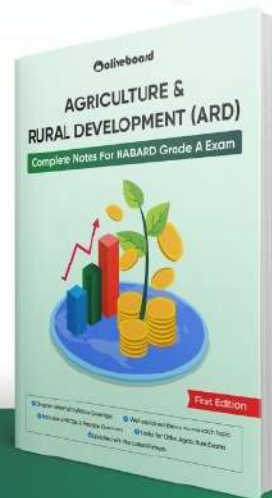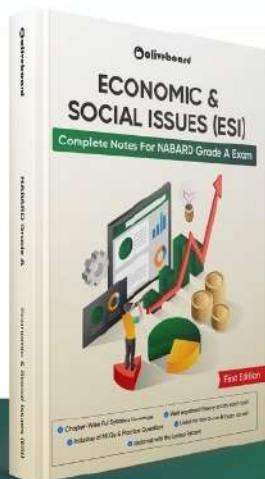(c) FY 2025-26
(d) FY 2026-27
(e) None of the above

Answer - (c)

Q.161) When major output is expected from per unit input focus is on factor of production (Land, Labour, Capital, Enterprise is called _____.

    (a) Agri diversification
    (b) Agri intensification
    (c) Agri exclusivity
    (d) None of these
    (e) All of these

Answer - (b)
Explanation -
The key phrase **"output is expected from per unit input"** points to intensive agriculture. This suggests that agricultural intensification, which involves optimizing land, labor, capital, and enterprise, is the correct option.

Q.162) MSP of Lentil of Rabi Marketing Season (2020-21) is _____.

    (a) 2015
    (b) 2050
    (c) 5500
    (d) 5400
    (e) 4500

Answer - (c)

Q.163) Apna Khet Apna Kaam is the scheme of under MGNREGA in which of the following state?

    (a) Rajasthan
    (b) Punjab
    (c) Haryana
    (d) None of these
    (e) All of these

Answer - (a)

Q.164) Gestation period of Sheep is _____.

    (a) 280 ± 3
    (b) 310±5
    (c) 150±5
    (d) 180±2
    (e) None of these

Answer - (c)
This question is from important chapter of "**Animal Husbandry, Fisheries, Plantation and Horticulture**". So, every student should definitely expect such difficult questions.

Q.165) Agriculture education day is celebrated on the birth anniversary of _____.

(a) Rajendra Prasad
(b) C.C. Singh
(c) Venkatraman
(d) None of these
(e) All of these

Q.166) A production system which avoids or largely excludes the use of synthetically compounded fertilizers, pesticides, growth regulators, genetically modified organisms and livestock food additives.

(a) Organic Farming
(b) Commercial Farming
(c) Extensive Farming
(d) None of these
(e) All of these

Q.167) The popular breed of poultry which belongs to Italy.

(a) Plymouth rock
(b) Rhode Island Red
(c) White leghorn
(d) White leghorn Assel
(e) New Hampshire

Q.168) The process by which fruits attain their desirable flavour, quality, colour, palatable nature and other textural properties.

(a) Degreening
(b) Ripening
(c) Curing
(d) Ethylene
(e) Defreezing

Again, a conceptual question based on knowledge and various terms related to chapter of "**Horticulture**".

Q.169) Process of drop down of milk after the stimulation of oxytocin

(a) Mamogenesis
(b) Milk let down
(c) Squeezing
(d) Ejaculation
(e) None of these

Answer - (b)
Explanation -
One more conceptual question from the Chapter of "**Animal Husbandry**".

Q.170) Development of interveinal chlorosis from bottom to top in later stages, purple colour and bronzing ultimately drying of plant parts

(a) Potassium
(b) Phosphorus
(c) Nitrogen
(d) None of these
(e) All of these

Answer - (a)

Q.171) The modified stem that grow horizontally on the ground or below the ground are called_____.

(a) Runners
(b) Suckers
(c) Offsets
(d) Rhizomes
(e) All of these

Answer - (a)

Q.172) _____ is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.

(a) e- NAM
(b) e- market
(c) E-kisan
(d) E- mandi
(e) All of these

Answer - (a)

Q.173) According to the census of India 2011, What is the Percentage of Rural Population of India

    (a) 62.17%
    (b) 54.12%
    (c) 36.51%
    (d) 68.84%
    (e) None of these

Answer - (d)

Q.174) Contribution of agriculture and allied sector in Gross Value Added (GVA) for the 2021-22_____.

    (a) 7.9%
    (b) 15.5%
    (c) 17.2%
    (d) 12.7%
    (e) 18.8%

Answer - (e)

Q.175) In tractor economy, which of the following will be considered as fixed cost?

    (a) Depreciation
    (b) Maintenance
    (c) Fuel and oil cost
    (d) Repairs
    (e) None of the above

Answer - (a)

Q.176) Substances that contain microorganisms, which when added to the soil increase its fertility and promotes plant growth_____.

    (a) Chemical fertilizers
    (b) Biofertilizers
    (c) Green manures
    (d) Mulch crops
    (e) All of these

Answer - (b)

Q.177) What is the type of farming done along the contour of sloping land to avoid soil erosion with slope less than 33%.

(a) Graded bunding
(b) Bench terracing
(c) Contour farming
(d) Bunding
(e) Stone terracing

Answer - (b)

Q.178) Aromatic plant botanical name- export and produce in India for perfume and fragrance

(a) jasmine
(b) portulaca
(c) champa
(d) marigold
(e) None of these

Answer - (a)
Explanation -
Logic and observation also help in such questions cause jasmine and champa are having fragrance.

Q.179) The water that held tightly on the surface of soil colloidal particle is known as ……………. It is essentially non-liquid and moves primarily in the vapour form

(a) Gravitational water
(b) Capillary water
(c) PWP
(d) Hygroscopic Water
(e) Field capacity

Answer - (d)
Explanation -
Such concepts are very basic. Logically this concept is about "Characteristics of water", which essentially is important topic from Soil and Irrigation/water resources Chapter.

Q.180) A wax like substance containing the natural flower perfume together with some plant waxes, albumin and colouring matter.

(a) Yellow spot beetle
(b) Defoliator thrips
(c) Defoliator beetle
(d) None of these
(e) All of these

Q.181) Damping Off of Papaya symptoms

(a) The disease prominently appears on green leaves and also on green immature fruits.
(b) The symptoms appear in the form of brown to black depressed spots on the fruits.
(c) The initial symptoms are water-soaked, sunken spots on the fruit.
(d) The centres of these spots later turn black and then pink when the fungus produces spores
(e) None of these

Q.182) Coconut is propagated through?

(a) Budding
(b) Grafting
(c) Layering
(d) Seedlings
(e) None of the above

Q.183) Climate smart agriculture does not include _____.

(a) Increased productivity, Enhanced resilience & Reduced emissions
(b) Bridge a knowledge gap by providing clarity on CSA terminology, components, relevant issues, and how to contextualize them under different country conditions.
(c) Better nutrition, a better environment and a better life for all, leaving no one behind
(d) Increase in the production with ecology Sustainability
(e) Ecosystem Balance

Q.184) Farming so as to meet society's present food and textile needs, without compromising the ability for current or future generations to meet their needs.

(a) Sustainable agriculture
(b) Shifting Agriculture
(c) Natural farming
(d) Permaculture
(e) None of the above

Q.185) The deficiency in plants can be visually identified at the early vegetative stage as an abnormally dark green or reddish, purple colour along the edge of the lower plant leaves

    (a) Potassium
    (b) Phosphorus
    (c) Nitrogen
    (d) Calcium
    (e) Boron

Answer - (b)

Q.186) Botanical Name of Teak is called?

    (a) Grevellia robusta
    (b) Casuarina equisetifolia
    (c) Ailanthus ultisima
    (d) Terminalia arjuna
    (e) Tectonia Grandis

Answer - (e)

Q.187) Whitish-gray powdery coating on the leaves or fruit. On leaves, initial symptoms appear as chlorotic spots on the upper leaf surface that soon become whitish lesions is the symptom seen in grapes, roses and other aromatic crops are due to which disease?

    (a) Downey Mildew
    (b) Powdery mildew
    (c) Anthracnose
    (d) Collar Rot
    (e) None of the above

Answer - (a)

Q.188) Highest cut rose sold in which day of the year

    (a) Rose Day
    (b) Valentine's Day
    (c) Mothers day
    (d) Fathers Day
    (e) Xmas Day

Answer - (b)

Q.189) Which organelle responsible for growth and development

(a) Cytoplasm
(b) Nucleus
(c) Ribosome
(d) Mitochondria
(e) None of the above

Q.190) Ram lamb is castrated at what age

(a) 07-10 Days
(b) 1-2 Weeks
(c) 2-4 Weeks 4.
(d) 4-10 Weeks
(e) > 14 Weeks

Q.191) What should be the pH for the Fish-pond for fish culture?

(a) 6.5-10
(b) 4-4.5
(c) 11-14
(d) 4.5-5
(e) None of the above

Q.192) Agroforestry system in which long fodder crops are grown to protect the soil, mulching and to prevent erosion.

(a) Silvi pastoral
(b) Taungya
(c) woody hedges
(d) Shifting agriculture
(e) Acqua- Forestry

Q.193) Grape's leaf feeding in initial stage and complete defoliation is caused by

(a) Defoliator beetle
(b) Defoliator thrips
(c) Defoliator Aphids
(d) Defoliator jassids

(e) None of these

Q.194) _____involves the participation and collaboration of various stakeholders including community, government and nongovernmental organisations fir the timber, wood collection

(a) Social Forestry
(b) Community forestry
(c) Extension Forestry
(d) Farm Forestry
(e) None of the above

Q.195) What is the GVA share of agriculture sector according to the First Income estimates

(a) 18.4
(b) 20.2
(c) 18.8
(d) 19.6
(e) 15.4

Q.196) Any surface area from which runoff resulting from rainfall is collected and drained through a common point.

(a) Watershed management
(b) Rain water Harvesting
(c) Hygroscopic coefficient
(d) None of these
(e) All of these

Q.197) Scheme which is used to assess the current status of soil health and, when used over time, to determine changes in soil health that are affected by land management.

(a) Pradhan mantri Kisan Maan Dhan Yojana
(b) Soil Health Card
(c) eNAM
(d) PKVY
(e) None of the above

Q.198) An integral part of the National Agricultural Research System (NARS), aims at assessment of location specific technology modules in agriculture

(a) ATMA
(b) KVK
(c) Esharam
(d) E shakti
(e) None

Q.199) Scheme for the solution of all the problems of farmers

(a) Kisan Call Centres
(b) E Krishi Samvad
(c) E kishi Mela
(d) None of these
(e) All of these

Q.200) Which one of the following is Indian Major Carps

(a) Catla
(b) Labeo Rohita
(c) Cyprinus Carpio
(d) None of these
(e) All of these

This question requires observation+ knowledge. If you are not versed with the Major carps at all, you might find this question difficult.
A through reading of chapters like Fisheries, Animal Husbandry is required.

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