26-05-2013 UPSC CIVIL SERVICES PRELIMS PAPER-1&2 DETAILED SOLUTION / CUT-OFF

IAS – 2013 PAPER – 2 (CSAT)

There is NO SEPARATE PAPER WISE CUT-OFF in UPSC-Preliminary exam. It combines marks scored in both papers and from that combined score, candidates are selected for mains exam.

OFFICIAL CUT-OFF MARKS OF PRELIMS 2012 AS DISCLOSED BY UPSC

MARKS C	OF LAST	RECO	MMEN	DED CA	CANDIDATE		
GENERAL	ОВС	sc	ST	PH-1	PH-2	PH-3	
209	190	185	181	160	164	111	

EXPECTED CUT-OFF MARKS OF PRELIMS 2013

GENERAL	ОВС	sc	ST	PH-1	PH-2	PH-3
215 ± 4	194 ± 4	190 ± 4	184 ± 4	165±4	169±4	115±4

RADIAN IAS ACADEMY

CHENNAI 711 PH Road, Opp. Anna Arch, Arumbakkam, CHENNAI-600 106.

Ph: 98404-00825, 99627-00505.

MADURA 165 North Veli St, Near Dist Central Library, Simmakkal, MADURAI- 1

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IAS – 2013 PAPER – 2 (CSAT)

Directions for the following 2 (two) items:.

Read the following passage and answer the two items that follow. Your answer to these items should be based on the passage only.

PASSAGE

Ecological research over the last quarter of the century has established the deleterious effects of habitat fragmentation due to mining, high ways and such other intrusions on forests. When a large block of forests gets fragmented into smaller bits, the edges of all these bits come into contact with human activities resulting in the degradation of the entire forests. Continuity or forested landscapes and

Corridors get disrupted affecting several Extinction - prone species of wildlife. Habitat fragmentation is therefore considerad as the most serious threat to biodiversity conservation. Ad hoc grants of forest lands to mming compames coupled with rampant illegal mining is maggravating this threat.

- **1)** What ts the central focus of this passage?
- A) Illegal mining in forests
- B) Extinction of wildlife
- C) Conservation of nature
- D) Disruption of habitat
- 2) What is the purpose of maintaining the Continuty of forested landscapes and corridors?
- 1. Preservation ofbiodiversity.
- 2. Management of mineral resources
- 3. Grant of forest lands for human activities.

Select the correct answet using the codes given below:

<u>A)1</u> only

B)1 and 2

C)2 and 3 D)1, 2 and 3

3) In a rare coin collection, there is one gold coin for every three non-gold coins. 10 more gold coins are added to the collection and the ratio of gold coins to non-gold coins would be 1: 2. Based on the information. the total number of coins in the collection now becomes

A)90 B)80 C)60

RATIO & PROPORTION Gold Coins: Non-Gold Coins. 1:3 (8ay) x & 3x So $\frac{x+10}{3x} = \frac{1}{2} \Rightarrow 2x+20=3x$ $\Rightarrow x=20$ Total Coins = 4x+10=9

4) A gardener has 1000 plants. He wants to plant them in such a way that lhe number of rows and the number of columns remains the same. What is the minimum number of plants that he needs *more* for this purpose?

A) 14

B) 24

C) 32

D) 34

NUMBERS

Number of rows and number of Columns are equal, so the number of plants to be planted should be a PERFECT SQUARE 'looo' is not a persfect square.

The Smallest persfect Square greater than

1000 18 1024.

.. The answer 18 (24



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5) A sum of Rs. 700 bas to be used to give seven cash prizes to the students of a school for their overall academic performance. If each prize is Rs. 20 less than its preceding *prize*, what is lhc least value of the prize? A)Rs. 30 C)Rs. 60 B)Rs. 40 D)Rs. 80

ARITHMETIC PROGRESSION Let the Least Poize be "a". The poizes are a, a+20, a+40,... $S_n = \frac{n}{2} \left[2a + (n - \nu) \overline{d} \right]$ a = ne have to find $a = \frac{n}{2} \left[n = \overline{f} \right]$ 700 = = [2a+6x20] 700 = 70 + 420 => 70 = 280 => 10 = 40

6) Out of 120 applications for a post, 70 are male and 80 have a driver's license. What is the ratio between the minimum to maximum number of males having driver's license?

A) 1 to 2 D)5 to 7 B) 2 to 3 C)3 to 7 NUMBERS Males = 70 => Fernals = 50 Dotver's License = 80 => Without Dotving License = 40 No of peritors either Fernale 60 without Licence > Minimum Number of males with = 120-90=30 driving Lenonse Obviously number of totales withy = 170 driving License 80 the ratio 18 30:70 = 3:7

7) In a garrison, there was food for 1000 soldiers for one month. After 10 days, 1000 more soldiers joined the garrison. How long would the soldiers be, able to carry on with the remaining food?

A)25 days

B)20 days

C)15 days

D)10 days

PROPORTION (OD) TIME & WORK After 10 Days. Food available 18 for 1000 Soldiers for 20 Days So for 2000 soldiers it lasts 2000 = 10 logs

8) The tank-full petrol in Arw1's motor-cycle lasts for 10 days. If he starts using 25% more everyday, how many days will the tank-full petrol last?

B)6

Numbers - Percentage

-2-

No of Days = 10 = Days

Explanation:

Assume that he every day uses I unit. Now he consumes 25% more everyday.

So 1.25 units every day.

9) A person can walk a certain distance and drive back in six hours. He can also walk both ways in 10 hours. How much time will he take to drive both ways?

A) Two hours

B) Two and a half hours

C) Five and a half hour

D) Four hours

SIMPLE LOGIC QUESTION WALK + DRIVE = 6 WALK + WALK = 10 SO DRIVE + DRIVE = 2 =) WALK=5 =) DRIVE=1.

Passage -1

The law in many parts of the world increasingly restricts the discharge of agricultural slurry into watercourses. The simplest and often the most economically sound practice returns the material to the land as semisolid manure or as sprayed slurry. This dilutes its concentration in the environment to what might have occurred m a more primitive and sustainable type of agriculture and converts pollutant into fertilizer. Soil microorganisms decompose the organic components of oewage and slurry and most of the mineral nutrients become available to be absorbed again by the vegetation. The excess input of nutrients, both nitrogen and phosphorus - based, from agricultural runoff (and human sewage) has caused many 'healthy' oligotrophic lakes (low nutrient concentrations, low plant productivity with abundant water weeds, and clear water) to change to eutrophic condition where high nutrient inputs lead to high phytoplankton productivity (sometimes dominated by bloom-forming toxic species). This makes the water turbid, eliminates large plants. And, in the worst situations. Leads to anoxia and fish kills so called cultural eutrophication. Thus, important ecosystem services are lost, including the provisioning service of wild-caught fish and the cultural services associated with recreation. The process of cultural eutrophication of lakes has been understood for some time. But only recently did scientists notice huge 'dead zones' in the oceans near river outlets, particularly those draining large catchment areas such as the Mississippi in North America and the Yangtze in China. The nutrientenriched water flows through streams, rivers and lakes.

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And eventually to the estuary and ocean where the ecological impact may be huge, killing virtually all invertebrates and fish in areas up to 70,000 km2 in extent. More than 150 sea areas worldwide arc now regularly starved of oxygen as a result of decomposition of algal blooms, fuelled particularly by nitrogen from agricultural runoff of fertilizers and sewage from large cities. Oceanic dead zones are typically associated with industrialized nations and usually lie off countries that subsidize their agriculture, encouraging farmers to increase productivity and use more fertilizer.

- According to the passage, why should the discharge of agricultural slurry into watercourses be restricted?
- 1. Losing nutrients in this way is not a good practice economically.
- 2. Watercourses do not contain the microorganisms that can decompose organic components of agnicultural slurry.
- 3. The discharge may lead to the cutrophtcation of water bodies.

Select the correct answer using the codes given below: A)1 only B)2 and 3 only C)1 and 3 only D)1, 2 and 3

- The passage refers to the conversion of "poUutant to fertilizer". What ts pollutant and what is fertilizer in this context?
- A) Decomposed organic component. Of slurry is pollutant and microorganisms in soil constitute fertilizer.
- B) Discharged agricutural slurry is pollutant and decomposed slurry in soil is fertilizer.
- C) Sprayed slurry is pollutant and watercourse is fertilizer.
- D) None of the above expressums is correct in this context.
- According to the passage, what are the effects of indiscriminate usc of fertilizers?
- 1. Addition of pollutants to the soil and water.
- 2. Destruction of decomposer microorganisms in soil
- 3. Nutrient enrichment of water bodies.
- Creation of algal blooms.

Select the correct answer from the codes given selow:

- A) 1, 2 and 3 only
- **B)** 1, 3 and 4 only
- C) 2 and 4 only
- D) 1, 2, 3 and 4
- 13) What is/are the characteristics of a water body with cultural eutrophication?
- 1. Loss of ecosystem services
- 2. Loss of flora and fauna
- 3. Loss of mineral nutrients 15.

Select the correct answer using the code given below:

- A) 1 only B)1 and 2 only C)2 and 3 only D)1, 2 and 3
- What is the central theme of this passage?
- A) Appropriate legislation is essential to protect the environment.
- B) Modern agriculturc is responsible for the destruction of environment.
- C) Improper waste disposal from agriculture can destroy the aquatic ecosystems.
- D) Use of chemical fertilizers is undesirable in agriculture.

Passage- 2

The miseries of the world cannot be cured by physical help only. Until man's nature change, his physical needs will always arise, and miseries will always be felt, and no amount of physical help. Will remove them completely. The only solution of the problem is to make mankind pure. Ignorance is the mother of evil and of all the misery we see. Let men have light, let them be pure and spiritually strong and educated; then alone will misery cease in the world. We may convert every house in the country into a charitable asylum, we may fill the land with hospitals, but human misery will continue until man's character changes.

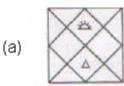
- 15) According to the passage. Which of the following statements is most likely to be true as the reason for man's miseries?
- A) The poor economic and social conditions prevailing in
- B) The refusal on the pari of man to change his character.
- C) The absence of physical and material help from his society.
- D) Ever increasing physical needs due to changing social structure
- With reference to the passage, following assumptions have been made:
- 1. The author gives primary first four figures named Problem figures importance to physical and material and n.ext four figures named Answer help in eradicating human misery. Figures indicated as A), B), C) and D).
- 2. Charitable homes, hospitals, ect. Can the problem figures follow a particular remove human misery to a great, extent? Which of the assumptions is/are valid?

A) 1 only B) 2 only C) Both 1 and 2 D) Neither 1 nor 2

17) Consider the following figures I, 2, 3 and 4



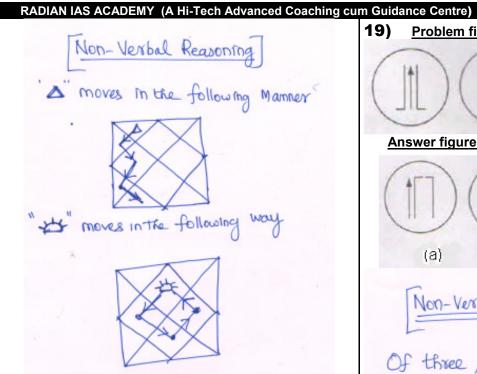
In the figures from 1 to 4 above, two symbols are shown to change their position in a regular direction. Following the same sequence, which one of the following will appear at the fifth stage?







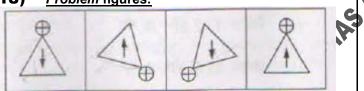




Directions for the following' 2 (two) items:

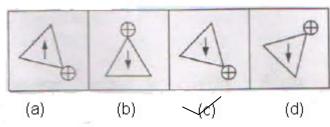
following assumptions have been made: In each item, there are two sets of figures; named problem figures and next four figures named answer figures indicates A),B),C) and D) The problem figures follow a particular sequence .In accordance with the same which one of the four answer figures should appear as the fifith figure?

18) **Problem figures:**



Answer figures:

It is up.

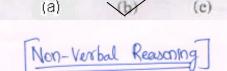


Non-Verbal Reasoning

Arrow is up, down, up, down Pattern. the "D" is just shiding to next vertex pointing towards vertex when it is down and pointing towards the mid of the Side when

www.radianiasacademy.org 19) Problem figures: Answer figures:

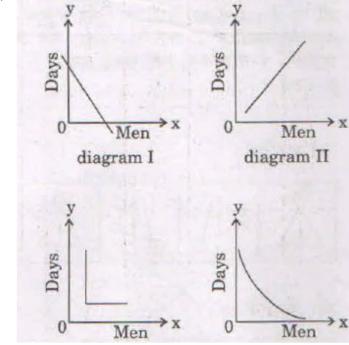
(d)



Of three, the first one alone goes every time the other extreme positions Upside down.

20) Consider the following diagrams:

when, working at constant speed, do a certain job in y days. Which one of thesen diagrams shows the relation between and



Time & work, GIRAPS Concept

Men and Days are inversely proportional. It means, if "x" increase, y" decreases and if "a" decreases then "y" increases and Vice- versa.

Altro Logically Note that 2 and y both Comt be zero, so it should bouch the axes.

21) Consider the following matrix:

3	370	7
2	224	6
1	730	X

What is the number at 'X' in the above matrix? A) 5 C)9 D)11

NUMBERS -SERIES

$$370 = 3^{3} + 7^{3}$$

 $224 = 2^{3} + 6^{3}$
 $730 = 1^{3} + 2^{3} \Rightarrow \boxed{x=9}$

22) Four cars are hired at the rate ofRs. 6 per km plus the cost of diesel atRs. 40 a litre. In this context. consider the details given in the following table:

Car	Mileage (km/l)	Hours	Total Payment (₹)
A	8	20	2120
В	10	25	1950
C	9	24	2064
D	11	22	1812

Which car maintained the maximum average speed? B) Car B A)Car A C) Car C D) CarD DATA-INTERPRETATIONS

This is time Consuming problem but am be answered easily by inspection.

Real Calculation as follows:

CAR-A Distance Travelled is Das follows Dx6+ DA x40 = 2120 11 DA = 2120 =) DA = 2120

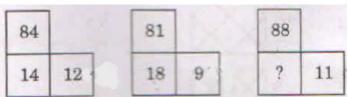
Average Speed of A 13 = D(Total Distanc)
T(Total Time)

Similarly find for Cars B, C&D.

But by inspection we seathat time Corresponds to Car A is least and amount is greatest. To osviously

Car A maintained maximum Average speed.

23) Examine the following three figures in which the numbers follow a specific pattern:

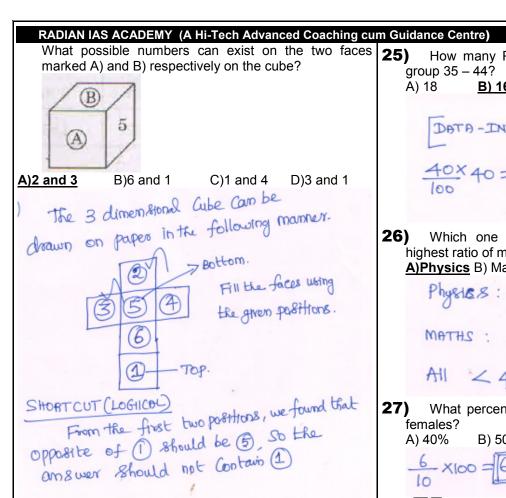


The missing number (?) in the third figure above is B) 16 C) 21

[NUMBERS - SERIES

 $84 = \frac{14 \times 12}{2}$ $81 = \frac{18 \times 9}{2}$ $88 = \frac{2 \times 11}{2}$ $\Rightarrow x = 16$

24) A cube has six numbers marked 1, 2, 3, 4, 5 and 6 on its faces. Three views of the cube are shown below



Direction for the following 5 (five) items:

Study the two figures given below and answer the five that follow:

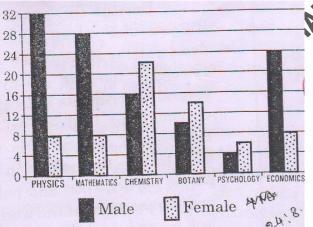
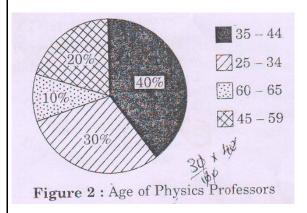


Figure 1: Number of Professors in selected disiciplines in a University by sex



How many Physics professors belong to the age group 35 - 44? D) 12

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A) 18 B) 16 C) 14

-6-

DATA-INTER PRETATIONS Que 25 to 297 40×40=16

26) Which one of the following disciplines has the highest ratio of males to females?

A)Physics B) Mathematics C) Chemistry D) Economics

Physics:
$$\frac{4}{1} = \boxed{4}$$

MATHS: $\frac{28}{8} < 4$

All < 4

27) What percentage of all psychology professors are females?

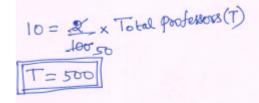
A) 40% B) 50% C) 60%

D) 70%

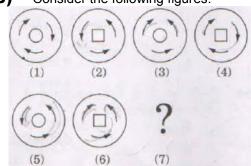
28 If the number of famales Physics professors in the age group 25 – 34 equals 25% of all the Physics professors in that age group these when the professors in that age group these when the professors in the professor in the profe professors in that age group, then what is the number of male Physics professors in the age group 25 – 34?

Total Physics Protessors 4 = 30 x40 = 12.
In the age group 25-34 In this age group males are 75 x12=19/

29) If the Psychology professors in the University constitute 2% of all the professors in the university, then what is the number of professors in the University? B) 500

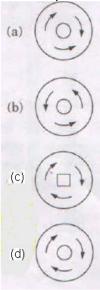


30) Consider the following figures:

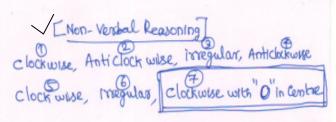


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Which one of the following figures would logically come in the 7th position indicates above by a question mark?



Ans(D)



Directions for the following 8 (eight) iterrng: Read the following four passages and answer the items that follow each passage. Your answers to these items should be based on the passages only.

Passage -1

The subject of democracy has become severely muddled because of the way the rhetoric surrounding it has been used in recent years. There is, increasingly an oddly confused dichotomy between those who want to 'impose' democracy on countries in the non-Western world (in these countries' 'own interest', of course) and those who are opposed to such 'imposition' (because of the respect for the countries' 'own ways'). But the entire language of 'imposition', used by both sides, is extraordinarily inappropriate since it makes the imphcit assumption that democracy belongs exclusively to the West, taking it to be a quintessentially 'Western' idea which has originated and flourished only in the West. But the thesis and the pessimism it generates about the possibility of democratic practice in the world would be extremely hard to justify. There were several ex.perimen u; in local democracy in ancient India. Indeed, in understanding the roots of democracy m the world, we have to take an interest in the history of people participation and public reasoning in different parts of the world. We have to look beyond thinking of democracy only in terms of European and American evolution. We would fail to understand the pervasive demands for participatory living, on which Aristotle spoke with far-reaching insight, if we take democracy to be a kind of a specialized cultural product of the West. It cannot, of course, be doubted that the institutional structure of the contemporary practice of democracy is largely the product of European and American experience over the last few centuries. This is extremely important to recognize since these developments

ultimately effective. There can be little doubt that there is a major 'Western' achievement here.

- 31) Which of the following is closest to the view of democracy as mentioned in the above passage?
- A) The subject of democracy is a muddle due to a desire to portray it as a Western concept, 'alien' to non-Western countries.
- B) The language of imposition of democracy inappropriate. There is, however, a need to consider this Concept m the backdrop of culture of 'own ways' of nonwestern society.

C)While democracy is not essentially a Western idea belonging exclusively to the West, the institutional structurP of current democratic practices has been their contribution.

- D) None of the statements A), B) and C) given above is correct.
- With reference to the passage, the following assumptions have been made:
- 1. Many of the non-Western countries are unable to have democracy because they take democracy to be a specialized cultural product of the West
- 2. Western countries are always trying to impose democracy on non-Western countries.

Which of the above is/are valid assumption/assumptions? A)1 only B)2 only C)Both 1 and 2 D)Neither 1 nor 2

Passage- 2

Corporate governance is based on principles such as conducting the business with all integrity and fairness. Being transparent with regard to all transactions making all the necessary disciosures and decisions. Complying with all the laws, the land, accountability and responsibility towards t.hc stakeholders and commitment to conducting business in an ethical manner. Another point which is highlighted on corporate governance is the need for those in control to be able to distinguish between what are personal and funds while corporate managing а company. Fundamentally, there is a level of confidence that is associated with a company that is known to have well Corporate governance. The presence of an active group of independent directors on the board contributes a great deal towards ensuring confidence m the market. Corporate governance is known to be one of the criteria that foreign instituttonal investors arc increasingly depending on when dec1ding on which companies to invest in. H is also known to have a positive influence on the share price of the Company. Having a clean image on the corporate governance front could also make it easier for companies to source capital at more reasonable costs. Unfortunately, corporate governance often becomes the centre or discussion only after the exposure of a large scam.

- 33) According to the passage, which of the following should be the practice/practices in good corporate governance?
- 1. Companies should always comply with labour and lax laws of the land.
- 2. Every company in the country should have a government representative as one of the independent directors on The board to ensure transparency.
- 3. The manager of a company should never invest his personal funds in the company.

Select the correct answer using the codes given below:

in institutional formats were immensely innovative and | C) 1 and 3 only

A) 1 only

B) 2 and 3 only D) 1, 2 and 3

711 EVR Road, Opp. Anna Arch, NSK Nagar, Arumbakkam, CHENNAI-106.

E-mail: r.rajaboopathy@yahoo.in Ph: 98404-00825, 98404-33955

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- According to the passage, which of the Following is/are the major benefit/benefits of good corporate governance?
- 1. Good corporate governance leads lo increase in share price of the company.
- 2. A company with good corporate governance always increases its business turnover rapidly.
- 3. Good corporate governance is the main cnterion for foreign institutional investors when they decide to buy a

Select the correct answer using the codes given below:

A) I only B) 2 and 3 only C) 1 and 3 only D) 1, 2 and 3

Passage- 3

Malnutrition most commonly occurs between the ages of six months and two years . This happenb despite the child's food requirements being less than that of an older child. Malnutrition is often attributed to poverty, but. it has been found that even in households where adults cat adequate quantities of food, more than 50 per cent. Of childrenunder-five do not consume enough food. The child's dependence on someone else to feed him/her is primarily responsible for the malnutrition. Very often the mother is working and the responsibility of feeding lhe young child is left. To an older sibling. It is therefore crucial to increase awareness regarding the child's food needs and how to satisfy them.

- 35) According to the passage, malnutrition in children can be reduced
- A) If the children have regular intake of food.
- B) After they cross the age of five.
- C) If the food needs of younger children are known.
- D) If the responsibility of feeding younger children is given to adults.
- According to the author, poverty is not the main 36) cause of malnutrition, but the fact that
- 1. Taking care of younger ones is not a priority for working mothers.
- 2. Awareness of nutritional needs is not propagated by the Public Health authorities.

Select the correct answer using the code given below:

A) 1 only B)2 only C)Both 1 and 2 D)Neither 1 nor 2

Passage- 4

A number of empirical studies find that farmers are riskaverse, though only moderately in many cases. There is also evidence to show that farmers' risk aversion results in cropping patterns and input use designed to reduce risk rather than to maximize income. Farmers adopt a number of strategies to manage and cope with agricultural risks. These include practices like crop and field Diversification, non-farm employment, and storage of stocks and strategic migration of family members. There nre also institutions rangmg from share tenancy to kindship, extended family and informal credit agencies. One major obstacle to risk sharing by farmer is that the same type of risks can affect a large number of farmers in the region. Empirical studies show that the traditional methods are not adequate. Hence there is a need for policy interventions, especially measures that cut across geographical regions.

Policies may aim at trackling agricultural risks directly or T and R are connected by rail and bus. indirectly. Examples of risk-specific policies are crop insurance. Price stabilization and the development of varietie resistant to pests and diseases. Policies which

affect risk indirectly are irrigation. Subsidized credit and access to information. No single risk-specific policy sufficient to reduce risk and is without 5ide-effects, whereas Policies not specific to risk influence the general situation and affect risks only indirectly. Crop insurance, as a policy Measure to tackle agricultural risk directly, deserves careful consideration in the Indian context and in many other Developing countries because the majority of farmers depend on rain-fed agriculture and in many areas yield Variability is the predominant cause of their income instability.

- The need for policy intervention to 40. mitigate risks in agriculture is because
- A) Farmers are extremely risk-averse.
- B) Farmers do not know how to mitigale risks.
- C) The methods adopted by farmers and existing risk sharing institutions are not adequate.
- D) Majority of famers depend on rain fed agriculture.
- Which of the following observations emerges from the above passage?
- A) One can identify a single policy that can reduce risk without any side-effect.
- B) No single risk-specific policy is sufficient to reduce agricultural nsk.
- C) Policies which affects risk indirectly can eliminate it.
- D) Government's policy intervention can agricultural risk completely
- **39)** Consider the following statements: (i) A primary group is relatively smaller in size.
- (ii) Intimacy is an essential characteristic of a primary group. (iii) A family may be an example of a primary group.
- In the light of the above statements, which one of the Ifollowing is true?
- A) All families are primary groups.
- B) All primary groups are families.
- C) A group of smaller size is always a primary group.
- D) Members of a primary group know each other intimately.
- 40) Four friends, A, B, C and D distribute some money among themselves in such a manner that A gets one less than B, C gets 5 more than D, D gets 3 more than

B. Who gets the smallest amount?

A) A

Directions for the following 4 (four) items: Read the following statements and answer the four items that follow: Five cities P, Q, R, S and Tare connected by different modes of transport as follows:

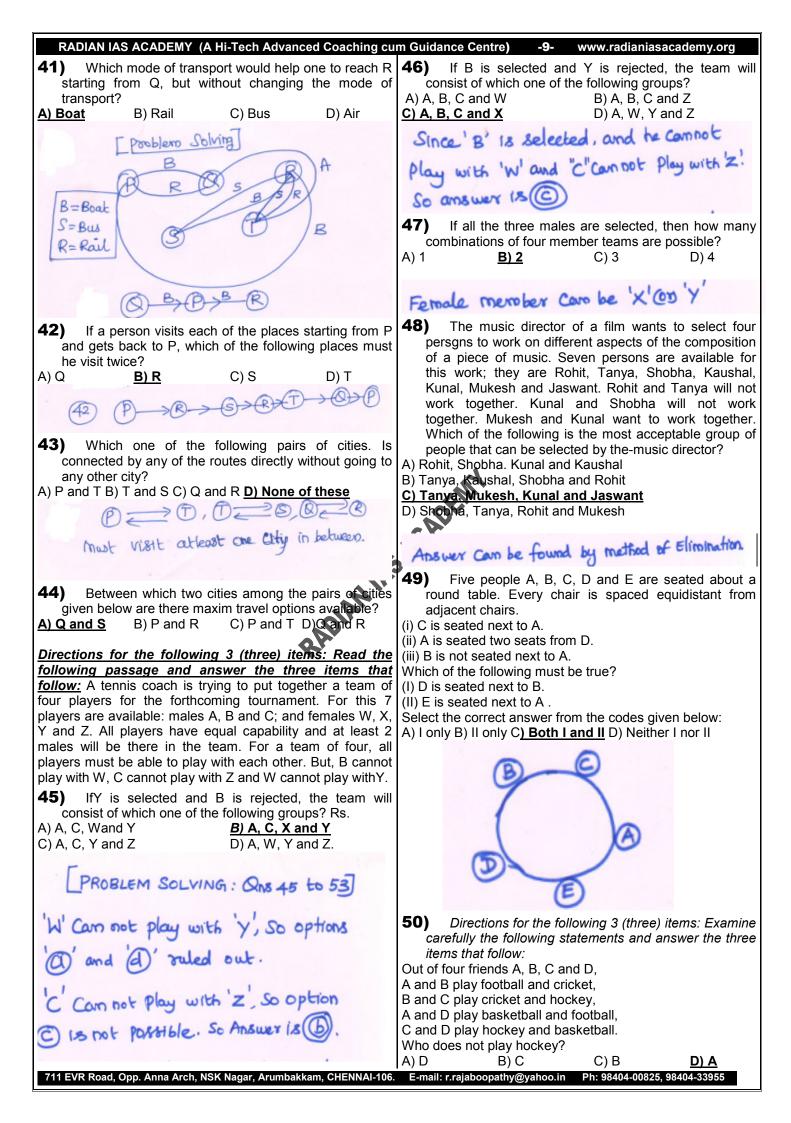
P and Q are connected by boat as well as rail.

S and R are connected by bus and boat.

Q and T are connected by air only.

P and R are connected by boat only.

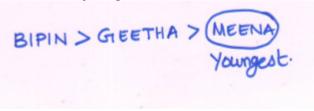
D) D



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VERY EASY, JUSTIRY,

- 51) Who plays football, basketball and hockey? A) Ď B) C C) B D) A
- **52**) Which game do B, C and D play?
- A) Basketball B) Hockey C) Cricket D) Football
- 53) Geeta is older than her cousin Meena. Meena's brother Bipin is older than Geeta. When Meena and Bipin visit Geeta, they like to play chess. Meena wins the game more often than Geeta. Based on the above information, four conclusions, as given below, have been made. Which one of these logically follows from the information given above?
- A) While playing chess with Geeta and Meena, Bipin often loses.
- B) Geeta is the oldest among the three
- C) Geeta hates to lose the game. "
- D) Meena is the youngest of the three.



Directions for the following 4 (four) items: Read the following passage and answer the four items that follow. Your answers to these items should be based on the passage only.

Passage

Financial markets m India have acquired greater depth and liquidity over the years. Steady reforms since 1991 have Led to growing linkages and integration of the Indian economy and its financial system with the global economy. Weak global economic prospects and continuing

Uncertamties in the international financial markets therefore, have had their impact on the emerging market economies. Sovereign risk concerns, particularly in the Euro area, affected financial markets for the greater part of the year, with the Region of Greece's sovereign debt problem spreading to India and other economies by way of higherthan-normallevels of volatility. The funding constraints in mternational financial markets could impact both the availability and cost of foreign funding for banks and corporates.

Since the Indian financial system is bank dominated, banks' ability to withstand Rs. stress is critical to overall financial Indian banks, however, remain notwithstanding a decline in capital to nsk-weighted assets ratio and a rise in non-performing asset levels in the Recent past. Capital adequacy levels remain above the regulatory requirements. The financial market infrastructure continues to fLtnction without any major disruption. With Further globalization, consolidation, deregulation, and diversification of the financial system, the banking business May become more complex and riskier. Issues like risk and liquidity management and enhancing skill therefore assume Greater significance.

- According to the passage, the financial markets in the emerging market economies including India had the adverse impact in recent years due to
- 1. Weak global economic prospects.

- 2. Uncertainties in the international financial markets.
- 3. Sovereign t'isk concerns in the Euro area.
- 4. Bad monsoons and the resultant crop loss.

Select the correct answer using the code given below:

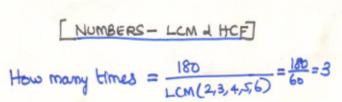
- A) 1 and 2 only **B) 1, 2 and 3** C) 2 and 3 onlyD) 2, 3 and 4
- The Indian fmancial markets are affected by global changes mainly due to the
- A) Increased inflow of remittances from abroad.
- B) Enormous increase in the foreign exchange reserves.
- C) Growing global linkages and integration of the Indian financial markets.
- D) Contagion of Greece's sovereign debt problem.
- According to the passage, in the Indian financial system, banks' ability to withstand stress is critical to ensure overall financial stability because Indian financial system is
- A) Controlled by the Government of India.
- B) Less integrated with banks.
- C) Controlled by Reserve Bank of India.
- D) Dominated by banks.
- Risk ,and liquidity management assumes more importance in the Indian banking system in future due
- 1. Further globalization.
- 2. More consolidation and deregulation of the financial system.
- 3. Further diversification of the financial system.
- 4. More financial inclusion in the economy.

Select the correct answer using the code given below:

A) 1 2 and 3 B) 2, 3 and 4 C) 1 and 2 only D) 3 and 4 only

58) There are five bobby clubs in a college photography, yachting, Chess, Electronics gardening. The gardening group meets every second day, the electronics group meets every third day, the chess group meets every fourth day, the yachting group meets every fifth day and the photography group meets every sixth day. How many times do all the five groups meet on the same day within 180 days? ·

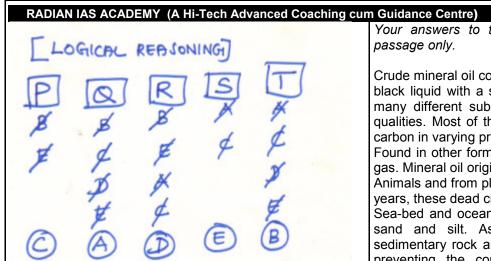
B) 5



- **59)** A, B, C, D and E belong to five different cities P, Q, R, S and T (not necessarily in that order). Each one of them comes from a different city. Further it is given that:
- 1. B and C do not belong to Q.
- 2. B and E do not belong to P and R.
- 3. A and C do not belong toR, SandT.
- 4. D and E do not belong to Q and T.

Which one of the following statement is not correct?

- A) C belongs to P
- B) D belongs to R
- C) A belongs to Q
- D) B belongs to S



60) Seven men, A. B, C. D. E, F and G are stamUng m a queue in that order. Each one is wearinRs. A cap of a different colour like violet. Indigo. Blue. Green, yellow, orange and red. Dis able to sec in front of him green and blue, but not violet. E can see violet and yellow, but not red. G can see caps of all colours other than orange. If E is wearing an indigo coloured cap, then the colour of the cap worn by F is

A) Blue

B) Violet

C) Red

D) Orange



61) There are some balls of red, green and yellow colour lying on a table. There are as many red balls as there are yellow balls. There are twice as many yellow balls as there are green ones. The number of red balls

A) is equal to the sum of yellow and green balls.

B) Is double the number of green balls.

- C) is equal to yellow balls minus green balls.
- D) Cannot be ascertained.

BASIC NUMERACY - NUMBERS

Say number of Red Balls =
$$x$$

Red = x

Vellow = x

Given = $\frac{x}{2}$

Red = $2x$ Given

Directions for the following 2 (two) items:. Read the following passage and answer the two items that follow.

Your answers to these items should be based on the passage only.

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Passage

Crude mineral oil comes out of the earth as a thick brown or black liquid with a strong smell. It is a complex mixture of many different substances, each with its own. Individual qualities. Most of them are combinations of hydrogen and carbon in varying proportions. Such hydrocarbons are also Found in other forms such as bitumen, asphalt and natural gas. Mineral oil originates from the carcasses of tiny Animals and from plants that live in the sea. Over millions of years, these dead creatures form large deposits under the Sea-bed and ocean currents cover them with a blanket of sand and silt. As this mineral hardens, it becomes sedimentary rock and effectively shuts out the oxygen, so preventing the complete decomposition of the marine deposits underneath. The layers of sedimentary rock become thicker and heavier. Their pressure produces beat, which transforms the tmy carcasses into crude oil in a process that is still going on today.

- Mineral oil deposits under the sea do not get completely decomposed because they
- A) Are constantly washed by the ocean currents.
- B) Become rock and prevent oxygen from enteting them.
- C) Contain a mixture of hydrogen and carbon.
- D) Are carcasses of organisms lying in saline conditions.
- Sedimentary rock leads to the formation of oil deposits because
- A) There are no saline conditions below it.
- B) It allows some dissolved oxygen to enter the dead organic matter below
- C) Weight of overlying sediment layers causes the production of heat.
- D) It contains the substances that catalyze the chemical reactions required to change dead organisms into oil.
- In a class of 45 students, a boy is ranked 20th. When two boys joined. His rank was dropped by one. What is his new rank from the end?

B) 26th Now his rank is 21, out of 47 Students. Therefore his rank is 27 th from Last.

65) A thief running at 8 km/hr is chased by a policeman whose speed is 10 km/hr. If the thief is 100 m ahead of the policeman, then the time required for the policeman to catch the thief will be C)4 min D)6 min

A) 2 min B)3 min TIME & DISTANCE

-= 180 &c = 3 min.

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66) A train travels at a certain average speed for a distance of 63 km and then travels a distance of 72 km at an average speed of 6 km/ hr more than its original speed. If it takes 3 hours lo complete the total journey, what is the original speed of the train in km/hr?

A) 24 B) 33 C) 42 $3 = T_1 + T_2 = \frac{63}{x} + \frac{72}{x+6}$ Don't multiply, you will get quadratic Equation, takes time to solve. So go from given options, 42 Sattsfies.

Directions for the following 8 (eight) The following eight items (items 67 to 74) are based on three p assages in English to test tl,.e comprehension of English language and therefore these items do not have Hindi version. Read each Passage and answer the. items that follow.

Passage - 1

Seven-year-old Jim came home from the park without his new bicycle. "An old man and a little boy borrowed it," he explained. "They are going to bring it back at four o'clock." His parents were upset that he had given his expensive new bicycle, but were secretly proud of his kindness and faith. Came four o'clock, no bicycle. The parents were anxious. But at 4:30, the door bell rang, and there stood a that the end of such liberty would be different and a box of Everything would be getting in everybody else's way and liberty would have chocolates. Jim suddenly. Disappeared into his bedroom, and then came running out. "All right," he said, after examining the bicycle. "You can have your watch back!"

- **67**) When Jim came home without his bicycle, his **Parents**
- A) Were angry with him
- B) were worried.
- C) Did not feel concerned.
- D) Were eager to meet the old man and the little boy.
- **68**) Jim returned the watch to the old man and the little boy because ·
- A) They gave him chocolates.
- B) His father was proud of him.
- C) He was satisfied with the condition of his bicycle.
- D) They were late only by 30 minutes.

Passage - 2

It was already late when we set out for the next town, which according to the map was about fifteen kilometres away on the other side of the hills. There we felt that we would find a bed for the night. Darkness fell soon after we left the village, but luckily we met no one as we drove swiftly along the narrow winding road that led to the hills. As we climbed higher, it became colder and rain began to fall, making it difficult at times to see the road. I asked John, my companion, to drive more slowly. After we had travelled for about twenty kilometres, there was still no sign of the to 'D which was marked on the map. We were beginning to get worried. Then without warning, the car stopped and we found we had run out of petrol.

The author asked John to drive more slowly because

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- A) The road led to the hills.
- B) John was an inexperienced driver.
- C) The road was not clearly visible.
- D) They were in wilderness.
- The travellers set out for the town although it was getting dark because
- A) They were in a hurry.
- B) The next town was a short distance away and was a bill-
- C) They were in wilderness.
- D) The next town was a short distance a way and promised a good rest for the night.
- 71) The travellers were worried after twenty kilometres because
- A) It was a lonely countryside.
- B) They probably feared of having lost their way.
- C) The rain began to fall.
- D) It was getting colder as they drove.

Passage - 3

Directions for tite following 6 (six) items:

A stout old lady was walking with her basket down the middle of a street in Petrograd to the great confusion of the Traffic and no small peril to herself. It was pointed out to her that the pavement was the place for foot-passellgers, but she replied "I'm going to walk where I like. We've got liberty now." It did not occur to the dear lady that if liberty entitled the toot-passenger to walk down the middle of the road it also entitled the taxi-driver to drive on the pavement, and nobody would get anywhere. Individual liberty would have become social anarchy.

It was pointed out to the lady that she should walk on the pavement because she was

A) A pedestrian

B) carrying a basket

C) Stout

- D) an old lady.
- 73) The lady refused to move from the middle of the street because
- A) She was not afraid of being killed.
- B) She felt that she is entitled to do whatever she liked.
- C) She did not like walking on the pavement.
- D) She was confused.
- The old lady failed to realise that
- A) She was not really free.

B) Her liberty was not unlimited.

- C) She was an old person.
- D) Roads are made for motor vehicles only.

Given below are six items. Each item describes a situation and is followed by four possible responses. Indicate the response you find most appropriate. Choose only one response for each item. The responses will be evaluated based on the level of appropriateness for the situation. Please attempt all the items.

There is no penalty for wrong answers for these items.

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We have marked 2 options for each Questions, (1) is the correct answer that will fetch you full 2.5 Marks, (2) is the next best answer that will fetch you relatively lesser marks but positive Marks.

75) You are the head of your office. There are certain houses reserved for the allotment to the office staff and you have been given the discretion to do so. A set of rules for the allotment of the houses has been laid down you and has been made public. Your personal secretary. Who is very close to you, comes to you and pleads that as his father seriously ill, he should be given priority in allotment of a house. The office secretariat that examined the request as per the rules turns down the request and recommends the procedure to be followed according to the rules. You do not want to annoy your personal secretary. In such circumstances, what would you do?

A) Call him over to your room and personally explain why the allotment cannot be done. (1)

- B) Allot the house to him to win his loyalty.
- C) Agree with the office note to show that you are not biased and that you do not indulge in favouritism.(2)
- D) Keep the file with you and not pass any orders.
- **76)** While travelling in a Delhi-registered. A person lives in a far off village which commercial taxi trom Delhi to an adjacent almost two hours by bus. The city (another State. your tax driver informs you that as he has no permit for running the taxi in that city, he will stop at its Transport Office and pay the prescribed fee of Rs. forty for a day. While paying the fee at the counter you find that the transport clerk is taking an extra fifty rupees for which no receipt is being given. You are in a hurry for your meeting. In such circumstances, what would you do?
- A) Go up to the counter and ask the clerk to give back the money which he has illegally taken.(2)
- B) Do not interfere at all as this is a matter between the taxi driver and the tax authorities.
- C) Take note of the incident and subsequently report the matter to the concerned authorities. (1)
- D) Treat it as a normal affair and simply forget about it.
- A person lives in a far off village which is almost two hours by bus. The Villager's neighbour is a very powerful Landlord who is trying to occupy the poor villager's land by force. You are the district magistratrate and busy in a meeting called by a local Minister. The villager has come all the way, by bus and on foot, to see you and give an application seeking protection from the powerful landlord. The villager keeps on waiting outside the meeting hall for an hour. You come out of the meeting and are rushing to another meeting. The villager follows you to submit his application. What would you do?
- A) Tell him to wait for another two hours till you comes back from your next meeting.
- B) Tell him that the matter is actually to be dealt by a junior officer and that he should give the application to him.
- C) Call one of your senior subordinate officers and ask him to solve the villager's problem. (1)

- D) Quickly take application from him, ask him a few relevant questions regarding his problem and then proceed to the meeting .(2)
 - There is a shortage of sugar in your. District where you are the District Magistrate. The Government has ordered that only a maximum amount of 30 kg sugar is to be released for wedding celebrations. A son of your close friend is getting married and your friend requests you to release at least 50 kg sugar for his son's wedding. He expresses annoyance when you tell him about the Government's restrictions on this matter. He feels that since you are the District Magistrate you can release any amount. You do not want to spoil your friendship with him. In such circumstances, how would you deal with the situation?
- A) Release the extra amount of sugar which your friend has requested for.
- B) Refuse your friend the extra amount and strictly follow the rules.
- C) Show your friend the copy of the Government instructions and then persuade him to accept the lower amount as prescribed in the rules. (1)
- D) Advise him to directly apply to the allotting authority and inform him that you do not interfere in this matter.(2)
- You are incharge of implementing the family Planning programme in an area where there is a strong opposition to the present policy. You want to convince the residents of the need for keeping small families. What would be the best way of communicating this message?
- A By logtcally explaiming to the residents the need for family planning to improve the health and living standards. (1)
- B) By encouraging late marriage and proper spacing of children.
- C) By offormg incentives for adopting family planning devices.
- D) By asking people who have been stabliasied are using contraceptives to duectly talk to the residents.(2)
- 80) You are a teacher in a University and are setting a question paper on a particular subject. One of your colleagues, whose son is prepanng for the examination on that subject, comes to you and informs you that it is his son's last chance to pass that examination and hether you could help him by indicating what questions are going to be m the examination. In the past, your colleague had helped you in another matter. Your colleague informs you that his on will suffer from depression if he fails in this examination. In such circumstances, what would you do?
- A) In view of the help he had given you, extend your help to him.
- B) Regret that you cannot be of any help to him.(2)
- C) Explain to your colleague that this would be violating the trust of the University authorities and you are not in a position to help him.(1)
- D) Report the conduct of your colleague to the higher authorities.