RBI Office Attendant 2021- Practice PDF 2 (Solutions)

General Awareness

S1. Ans.(a)
Sol. Renowned poet and activist Sugathakumari passed away on Wednesday, after testing positive for the coronavirus. One of the most active campaigners of the Save Silent Valley Movement. Raathrimazha, Ambalamani(temple bell), and Manalezhuthu are her famous works.

S2. Ans.(e)
Sol. The Government of India and the World Bank today signed a $500 million project to build safe and green national highway corridors in the states of Rajasthan, Himachal Pradesh, Uttar Pradesh and Andhra Pradesh.

S3. Ans.(b)
Sol. Srinagar based Amar Singh College building, built nearly 80 years ago, is one of the seven conservation projects to be recognised with '2020 UNESCO Asia-Pacific Awards for Cultural Heritage Conservation'. It was recognised with the 'Award of Merit'.

S4. Ans.(d)
Sol. Online payments solutions provider PayU has collaborated with Google Pay to introduce tokenised payments flow for merchants in India.

S5. Ans.(a)
Sol. VP Venkaiah Naidu virtually released the book 'Oh Mizoram', written by Governor of Mizoram, Shri P S Sreedharan Pillai.

S6. Ans.(c)
Sol. National Consumer Rights Day is observed every year on December 24. On this day in 1986, the Consumer Protection Act 1986 received the Presidential assent and thus came into force.

S7. Ans.(a)
Sol. Maharashtra former Chief Minister and present leader of Opposition in the Legislative Assembly, Devendra Fadnavis has released the book 'Ayodhya' written by Madhav Bhandari.

S8. Ans.(e)
Sol. The Prize was given jointly to Amit Ahuja for his Mobilizing the Marginalized: Ethnic Parties without Ethnic Movements (Oxford University Press) and to former Union minister Jairam Ramesh for his A Chequered Brilliance: The Many Lives of VK Krishna Menon (Penguin Random House), a biography of politician and diplomat VK Krishna Menon.

S9. Ans.(b)
Sol. The Union Cabinet approved revised guidelines for Direct-to-Home (DTH) broadcasting services, allowing 100 per cent foreign direct investment (FDI) as well as increasing the licence period to 20 years.

S10. Ans.(d)
Sol. National Thermal Power Corporation Limited (NTPC) has been conferred "Excellence" in the prestigious CII-ITC Sustainability Awards 2020 in Corporate Social Responsibility (CSR) Domain.

S11. Ans.(b)
Sol. The Cabinet approved the merger of four government-run film and media units — the Films Division, the Directorate of Film Festivals, the National Film Archives of India and the autonomous body Children's Film Society, with the National Film Development Corporation.

S12. Ans.(a)
Sol. Karnataka government has unveiled the Farmer Registration and Unified beneficiary Information System (FRUITS), an e-governance portal, to create a repository of farmland information and farm loan details on a single platform.

S13. Ans.(c)
Sol. Canara Bank has agreed to run FRUITS portal on a pilot basis.

S14. Ans.(e)
Sol. 'Jago Grahak Jago', which means 'Be aware consumer', is a consumer awareness program launched by the Department of Consumer Affairs.

S15. Ans.(e)
Sol. Central Board of Film Certification was not include in the Cabinet approved merger of government-run film and media units.

S16. Ans.(b)
Sol. Oil-to-telecom conglomerate Reliance Industries Ltd (RIL) has topped the 2020 Fortune 500 list of Indian companies, released on 2nd December 2020.

S17. Ans.(d)
Sol. In India, December 4 is observed as the National Navy Day every year, to celebrate the achievements and role of the naval force to the country.

S18. Ans.(a)
Sol. Left-handed batsman Dawid Malan of England has attained the highest-ever rating points for batsmen in the MRF Tyres ICC Men's T20I Player Rankings, released on 2nd December 2020.

S19. Ans.(e)
Sol. American decathlete and film actor, Rafer Johnson, who was 1960 Olympic gold medalist in the decathlon, has passed away. He was 86.

S20. Ans.(c)
Sol. Roshni Nadar Malhotra, Chairperson of HCL Technologies topped the list of wealthiest women in India, according to the second edition of 'Kotak Wealth Hurun–Leading Wealthy Women' report.

S21. Ans.(d)
Sol. The Nongpok Sekmai Police Station in Manipur topped the list of best police stations in India.

S22. Ans.(c)
Sol. The 9th edition of the International Sand Art Festival and the 31st edition of the Konark Festival, has kicked-off in Odisha.

S23. Ans.(b)
Sol. The Government of India and United States of America (USA) have signed a Memorandum of Understanding (MoU) in the field of Intellectual Property Cooperation on 2nd December 2020. The Union Cabinet had approved the signing the MoU for the same on 19 February 2020.

S24. Ans.(c)
Sol. Valery Giscard d'Estaing, the former President of France has passed away at the age of 94, from the complications of coronavirus. Giscard had served as the third president of the Republic of France from 1974 to 1981.

S25. Ans.(a)
Sol. The 9th edition of the International Sand Art Festival has kicked-off in Odisha.

S26. Ans.(d)
Sol. The theme of Navy Day 2020 is "Indian Navy Combat Ready, Credible & Cohesive".

S27. Ans.(a)
Sol. Srinagar born Wushu coach and the first Dronacharya Awardee from the Union Territory of Jammu and Kashmir, Kuldeep Handoo is appointed as the Ambassador of Fit India movement.

S28. Ans.(d)
Sol. The 15th Prime Minister of Pakistan, Zafarullah Khan Jamali passed away. He served as PM from November 2002 to June 2004 for a duration of 1 Year, 7 Months and 3 days.

S29. Ans.(b)
Sol. International Day of Banks is observed globally on the 4th of December. On 19 December 2019, the UN General Assembly adopted resolution 74/245, which designated 4 December as the International Day of Banks.

S30. Ans.(b)
Sol. The Maratha Emperor, Chhatrapati Shivaji Bhosle of the 17th century is considered as "Father of the Indian Navy".

S31. Ans.(b)
Sol. The MPC has predicted the real GDP growth for FY21 at (-)7.5%.

S32. Ans.(e)
Sol. The Indian-American young scientist and inventor, Gitanjali Rao, has been named as the first-ever 'Kid of the Year' by the iconic TIME magazine.

S33. Ans.(d)
Sol. The World Soil Day is celebrated every year on December 5 to raise awareness of the importance of soil quality for human well-being, food security and ecosystems

S34. Ans.(a)
Sol. Ranjitsinh Disale, a government teacher from Zilla Parishad Primary School, in Paritewadi village, Solapur district of Maharashtra, has won the 2020 Global Teacher Prize. He is the first Indian to win this award, which carries a prize money of $1 million (Rs 7.4 crore).

S35. Ans.(c)
Sol. The International Volunteer Day (IVD), also called International Volunteer Day for Economic and Social Development is observed on 5 December every year.

S36. Ans.(d)
Sol. The Indian Navy (IN) and the Russian Federation Navy (RuFN) are undertaking Passage Exercise (PASSEX) in the Eastern Indian Ocean Region (IOR) from 4 to 5 December 2020.

S37. Ans.(a)
Sol. The 2020 theme –'Keep soil alive, Protect soil biodiversity'!

S38. Ans.(e)
Sol. Lakshadweep Administrator Dineshwar Sharma, who was the former interlocutor for Jammu and Kashmir (J&K) in 2017, has passed away.

S39. Ans.(b)
Sol. Axis Bank Ltd in partnership with Rupifi and Visa launched 'Axis Bank Rupifi Business Credit Card' for MSMEs(Micro, Small and Medium Enterprises).

S40. Ans.(d)
Sol. The Vice President of India, M Venkaiah Naidu has released the book titled "40 Years with Abdul Kalam-Untold Stories", a book on the life of the former President of India Dr APJ Abdul Kalam. The book was authored by Dr A.Sivathanu Pillai.

S41. Ans.(d)
Sol. The Union Government has decided to constitute a High Level Committee (HLC) to commemorate the 125th Birth Anniversary of Netaji Subhas Chandra Bose. The High Level Committee will be headed by the Union Home Minister, Shri Amit Shah.

S42. Ans.(e)
Sol. Union Petroleum & Natural Gas Minister, Dharmendra Pradhan dedicated West Bengal's first oil and gas reserve, 'Bengal Basin', to the nation.The Bengal Basin is explored and owned by Oil and Natural Gas Corporation (ONGC).It is the eight producing basin of India by ONGC.

S43. Ans.(c)
Sol. US President Donald Trump has presented America's highest military decoration, 'The Legion of Merit', to Prime Minister Narendra Modi.

S44. Ans.(d)
Sol. The 12th GRIHA (Green Rating for Integrated Habitat Assessment) Summit was held virtually. It was inaugurated by Vice President of India Venkaiah Naidu virtually.

S45. Ans.(a)
Sol. The National Council of Applied Economic Research (NCAER) has projected the Indian economy to contract 7.3 percent in FY21, compared to -12.6% forecast in September 2020.

S46. Ans.(d)
Sol. National Farmer's Day (Kisan Diwas) is observed every year on December 23 in India to remember the role of Indian farmers in the economy.The day is observed to mark the birth anniversary of former Prime Minster Chaudhary Charan Singh.

S47. Ans.(c)
Sol. The Asian Development Bank (ADB) has announced to provide Rs 2,100 crore loan to the Tripura government for the development of urban areas and tourism in the northeastern state.

S48. Ans.(d)
Sol. The ICICI Bank has launched an online platform 'Infinite India' to support foreign companies to establish or expand business in India.

S49. Ans.(b)
Sol. The Kerala government and UN Women have collaborated to establish India's first Gender Data Hub.A Memorandum of Understanding (MoU) was signed in this regard on Monday in the presence of Kerala Chief Minister Pinarayi Vijayan.

S50. Ans.(d)
Sol. Bank of Baroda (BoB) has signed a memorandum of understanding (MoU) with Indian Navy and Indian Coast Guard under which the bank would offer customised services along with a host of facilities to account holders.

S1. Ans.(d)

Sol. Graduate population of city A and E together

$= 22000 \times \frac{5}{11} \times \frac{20}{100} + 24000 \times \frac{5}{8} \times \frac{1}{3}$

$= 2000 + 5000 = 7000$

Graduate population of city B and D together

$= 16000 \times \frac{3}{8} \times \frac{35}{100} + 20000 \times \frac{2}{5} \times \frac{25}{100}$

$= 2100 + 2000 = 4100$

Required percentage

$= \frac{7000-4100}{7000} \times 100 = \frac{2900}{7000} \times 100 \approx 42\%$

S2. Ans.(a)

Sol. Population who are literate but not graduate of city

$C = 96000 \times \frac{2}{3} \times \frac{68}{100}$

$= 43520$

Average graduate population of city D & E together

$= \frac{1}{2}\left[20000 \times \frac{2}{5} \times \frac{25}{100} + 24000 \times \frac{5}{8} \times \frac{1}{3}\right]$

$= \frac{1}{2}[2000 + 5000] = 3500$

∴ Required difference = 43520 – 3500

= 40020

S3. Ans.(e)

Sol. Illiterate male in city B

$= 16000 \times \frac{5}{8} \times \frac{3}{8} = 3750$

Graduate female in city D

$= 20000 \times \frac{2}{5} \times \frac{25}{100} \times \frac{3}{5}$

$= 1200$

Required ratio $= \frac{3750}{1200} = 25 : 8$

S4. Ans.(b)

Sol. Illiterate Population in City D

$= 20{,}000 \times \frac{3}{5} = 12000$

Illiterate Population in City C $= 96{,}000 \times \frac{1}{3} = 32000$

Required % $= \frac{12000}{32000} \times 100 = 37.5\%$

S5. Ans.(e)

Sol. Required percentage $= \frac{22{,}000 \times \frac{5}{11} + 16{,}000 \times \frac{3}{8}}{20{,}000 \times \frac{3}{5} + 20{,}000 \times \frac{2}{5} \times \frac{75}{100}} \times 100$

$= \frac{10{,}000 + 6{,}000}{12{,}000 + 6{,}000} \times 100$

$= \frac{1600}{18} \approx 89\%$

S6. Ans.(d)

Sol. Required Ratio $= \frac{92+96}{112+123} = \frac{188}{235}$

$= \frac{4}{5}$

S7. Ans.(b)

Sol. Required% $= \frac{115+90+120+140+85+125}{114+117+96+123+175+125} \times 100$

$= \frac{675}{750} \times 100$

$= 90\%$

S8. Ans.(e)

Sol. Required% $= \frac{117}{104} \times 100$

$= \frac{9}{8} \times 100$

$= 112.5\%$

S9. Ans.(a)

Sol. Required average $= \frac{86+92+108+96+112+94}{6}$

$= \frac{588}{6} = 98$

S10. Ans.(c)

Sol. Required% $= \frac{126+147-104-92}{104+92} \times 100$

$= \frac{77}{196} \times 100$

$= 39\frac{2}{7}\%$

S11. Ans.(c)

Sol. HP laptop sold by A $= 2376 \times \frac{6}{11} = 1296$

HP laptop sold by B $= 3150 \times \frac{9}{14} = 2025$

Required percentage $= \frac{2025-1296}{2025} \times 100$

$= \frac{729}{2025} \times 100 = 36\%$

S12. Ans.(e)

Sol. Required average

$= \frac{1}{3}\left[3150 \times \frac{5}{14} + 2080 \times \frac{3}{8} + 5280 \times \frac{13}{22}\right]$

$= \frac{1}{3}[1125 + 780 + 3120]$

$= \frac{1}{3}[5025] = 1675$

S13. Ans.(b)

Sol. Required Ratio $= \frac{2080 \times \frac{5}{8}}{3360 \times \frac{1}{3}} = \frac{1300}{1120} = \frac{65}{56}$

S14. Ans.(d)

Sol. Dell laptop sold by D & E together

$= 5280 \times \frac{13}{22} + 3360 \times \frac{2}{3}$

= 3120 + 2240

= 5360

Dell laptop sold by B and C together

$= 3150 \times \frac{5}{14} + 2080 \times \frac{3}{8}$

= 1125 + 780

= 1905

Required difference = 5360 – 1905 = 3455

S15. Ans.(d)
Sol. Dell laptop sold by C
$= 2080 \times \frac{3}{8}$
$= 780$
Dell laptop sold by B
$= 3150 \times \frac{5}{14} = 1125$
Required% $= \frac{780}{1125} \times 100$
$= 69\frac{1}{3}\%$

S16. Ans.(d)
Sol. Hockey players in school X and school Z together in year 2016
$= \frac{80}{(60-40)} \times 60 + \frac{180}{(80-20)} \times 80$
$= 240 + 240 = 480$
Cricket players in same schools together in year 2017
$= \frac{120}{(80-20)} \times 80 + \frac{160}{(52-48)} \times 48$
$= 160 + 1920 = 2080$
Required difference = 2080 – 480 = 1600

S17. Ans.(a)
Sol. Cricket players in school K and L together in year 2016
$= \frac{320}{(70-30)} \times 70 + \frac{100}{(55-45)} \times 55$
$= 560 + 550 = 1110$
Hockey players in school Y in year 2017
$= \frac{80}{(55-45)} \times 55 = 440$
Required percentage $= \frac{1110}{440} \times 100$
$= 252\frac{3}{11}\%$

S18. Ans.(b)
Sol. Required average
$= \frac{1}{3}\left[\frac{150}{(75-25)} \times 25 + \frac{180}{(80-20)} \times 20 + \frac{160}{(52-48)} \times 48\right]$
$= \frac{1}{3}[75 + 60 + 1920]$
$= \frac{2055}{3} = 685$

S19. Ans.(e)
Sol. Required ratio
$= \frac{\frac{80}{(55-45)} \times 55}{\frac{100}{(55-45)} \times 55}$
$= \frac{440}{550}$
$= \frac{4}{5} = 4:5$

S20. Ans.(c)
Sol. Required percentage
$= \frac{\frac{140}{(60-40)} \times 40 \sim \frac{320}{(70-30)} \times 70}{\frac{320}{(70-30)} \times 70} \times 100$
$= \frac{280 \sim 560}{560} \times 100$
$= 50\%$

S21. Ans.(d)
Sol. Total person came to PVR theatre
$= \frac{28}{100} \times 4400$
$= 1232$
Required value $= \frac{(7-4)}{11} \times 1232 = 336$

S22. Ans.(b)
Sol. Total person come in Cinema theatre
$= \frac{24}{100} \times 4400 = 1056$
Required value $= \frac{1}{2} \times \frac{\left[25+\left(100-25-\frac{100}{3}\right)\right]}{100} \times 1056$
$= \frac{1}{200} \times \frac{200}{3} \times 1056 = 352$

S23. Ans.(e)
Sol. Total person come in DT theatre
$= \frac{18}{100} \times 4400 = 792$
Required value $= \left[\frac{50}{3} + \frac{200}{3}\right] \times \frac{792}{100}$
$= 660$

S24. Ans.(e)
Sol. Required value $= \frac{24+18-14-16}{100} \times 4400$
$= \frac{12}{100} \times 4400 = 528$

S25. Ans.(c)
Sol. Required% $= \frac{18}{24} \times 100$
$= 75\%$

S26. Ans.(b)
Sol. Required% $= \frac{16+24-8-20}{(16+24)} \times 100$
$= \frac{12}{40} \times 100$
$= 30\ \%$

S27. Ans.(d)
Sol. Required difference
$= \frac{[20+24-12-16]}{100} \times 15000$
$= 2400$

S28. Ans.(a)
Sol. It can be seen easily from the pie-chart that February month shows the highest percent increase in income as compare to previous month which is equal to
$= \frac{12-8}{8} \times 100$
$= \frac{4}{8} \times 100$
$= 50\%$ increment.

S29. Ans.(e)
Sol. Required central angle
$= (20 + 16) \times \frac{18}{5}$
$= 129.6°$

S30. Ans.(c)
Sol. Sandeep's average income in starting four months
$= \frac{(8+12+16+20)}{4\times100} \times 15000 = 2100$
Sandeep's average income in Last four months
$= \frac{(16+20+20+24)}{4\times100} \times 15000 = 3000$
Required difference = 3000 – 2100 = 900

S31. Ans.(c)
Sol. Students who play violin $= \frac{25}{100} \times 1200 = 300$
Students who play Tabla $= \frac{10}{100} \times 1200 = 120$
Required percentage $= \frac{(300-120)}{120} \times 100$
$= \frac{180}{120} \times 100 = 150\%$

S32. Ans.(a)
Sol. Required Ratio
$= \frac{\frac{35}{100}\times1200+\frac{17}{100}\times1200}{\frac{13}{100}\times1200+\frac{25}{100}\times1200} = \frac{52}{38} = 26:19$

S33. Ans.(b)
Sol. Required Value
$= \frac{\frac{17}{100}\times1200+\frac{13}{100}\times1200+\frac{35}{100}\times1200}{3}$
$= \frac{204+156+420}{3}$
$= \frac{780}{3} = 260$

S34. Ans.(d)
Sol. Required Percentage
$= \frac{\left(\frac{17}{100}\times1200+\frac{10}{100}\times1200+\frac{13}{100}\times1200\right)}{\frac{35}{100}\times1200+\frac{25}{100}\times1200} \times 100$
$= \frac{(17+10+13)}{(35+25)} \times 100 = \frac{40}{60} \times 100 = \frac{200}{3}\%$
$= 66\frac{2}{3}\%$

S35. Ans.(a)
Sol. Required Difference
$= \frac{(35+17)\times12}{2} - \frac{(10+13+25)\times12}{3} = \frac{52\times12}{2} - \frac{48\times12}{3}$
= 26 × 12 – 16 × 12
= 120

S36. Ans.(b)
Sol. Required value
$= \frac{(15+22+18)}{100} \times 400$
= 220

S37. Ans.(e)
Sol. Marks scored by Shalini in Science, English and Hindi together
$= \frac{(21+24+18)}{100} \times 400$
= 252
Required % $= \frac{252}{300} \times 100 = 84\%$

S38. Ans.(a)
Sol. Required % $= \frac{21-18}{21} \times 100 = \frac{100}{7}\%$
$= 14\frac{2}{7}\%$

S39. Ans.(c)
Sol. Required value $= \frac{(22+15+21-24-18)}{100} \times 400$
= (58 – 42) × 4
= 16 × 4 = 64

S40. Ans.(b)
Sol. Required ratio $= \frac{(22+18)\times4}{(15+21)\times4} = \frac{10}{9}$

S41. Ans.(b)
Sol. Total production of Maruti in year 2011, 2012 and 2013 together = 60 + 55 + 50 = 165 lakhs
Total production of Honda in year 2011, 2012 and 2013 together = 40 + 45 + 50 = 135 lakh
Required % $= \frac{165-135}{135} \times 100 = 22\frac{2}{9}\%$ more

S42. Ans.(d)
Sol. Required difference $= \frac{60+80+55}{3} - \frac{50+60+85}{3}$
$= \frac{195}{3} - \frac{195}{3} = 0$

S43. Ans.(c)
Sol. Total production of Honda
= 40 + 45 + 50 + 60 + 80 + 55
= 330 lakh
Total production of Maruti = 60 + 55 + 50 + 50 + 60 + 85
= 360 lakh
Required % $= \frac{360-330}{360} \times 100$
$= \frac{30}{360} \times 100 = 8\frac{1}{3}\%$ less

S44. Ans.(a)
Sol. Required value $= 55 \times \frac{14}{10} + 85 \times \frac{12}{10}$
= 77 + 102
= 179 lakh

S45. Ans.(d)

Sol. Required ratio $= \frac{50+50+60}{60+80} = \frac{160}{140}$

$= \frac{8}{7}$

S46. Ans.(b)

Sol. Required difference

$= [(16 + 12)\% - (12 + 4)\%] \times 96000$

$= \frac{12}{100} \times 96000$

$= 11520$

S47. Ans.(a)

Sol. Required percentage

$= \frac{(12+32)-(16+24)}{(16+24)} \times 100$

$= \frac{4}{40} \times 100 = 10\%$

S48. Ans.(e)

Sol. Total chairs sold by shopkeeper F

$= \frac{4}{100} \times 96000$

$= 3840$

Required difference

$= \frac{(7-5)}{12} \times 3840 = 640$

S49. Ans.(d)

Sol. Total chairs sold by Shopkeeper P

$= \left[\frac{1}{2} \times 4 + \frac{1}{5} \times 12 + \frac{2}{5} \times 16\right] \times \frac{96000}{100}$

$= 10368$

S50. Ans.(c)

Sol. Required ratio $= \frac{\frac{16+24+12}{3}}{\frac{12+32}{2}}$

$= \frac{52 \times 2}{3 \times 44}$

$= 26 : 33$

S51. Ans.(c)

Sol. Required Average

$= \frac{2000+3500+4000+2000+4000}{5} = \frac{15500}{5} = 3100$

S52. Ans.(b)

Sol. Total number of students in school A and B together in 2017

$= 4000 \times \frac{75}{100} + 2000 \times \frac{110}{100}$

$= 3000 + 2200 = 5200$

S53. Ans.(e)

Sol. Required % $= \frac{4000-1500}{1500} \times 100$

$= \frac{2500}{1500} \times 100 \simeq 167.$

S54. Ans.(a)

Sol. Let no. of students in year 2011 of school A = x

ATQ,

$x \times \frac{80}{100} = 1500$

$x = \frac{1500 \times 100}{80} = 1875$

S55. Ans.(e)

Sol. Required ratio $= \frac{2000+3500}{4000+2000} = \frac{11}{12}$

S56. Ans.(d)

Sol. Total animals in Kaziranga National park

$= 1120 + 960 = 2080$

Smaller animals in Guindy National park = 1680

Required % $= \frac{2080-1680}{1680} \times 100$

$= \frac{500}{21}\% \approx 24\%$

S57. Ans.(a)

Sol. Let number of Elephant, Giraffe, Rhino and buffalo be a–d, a, a+d, a+2d respectively.

ATQ,

$a - d + a + a + d + a + 2d = 1080$

$\Rightarrow 4a + 2d = 1080 \Rightarrow 2a + d = 540$ …(i)

and,

$\frac{a-d}{a+2d} = \frac{17}{19} \Rightarrow 2a = 53d$ …(ii)

From (i) and (ii)

$d = 10$

$a = 265$

Required% $= \frac{275}{1100} \times 100 = 25\%$

S58. Ans.(c)

Sol. Smaller animals except deer in Kaziranga

$= \frac{75}{100} \times 1120 = 840$

Required ratio $= \frac{840}{840} = 1 : 1$

S59. Ans.(e)

Sol. Required average $= \frac{(1280+1080)+(1100+880)}{2} = 2170$

S60. Ans.(b)

Sol. Required difference

$= (880 + 1680) - (1080 + 1100) = 380$

S61. Ans.(c)

Sol. Let pass percentage = x %

Total strength of school S $= \frac{60}{x} \times 100$

Total strength of school Q $= \frac{90}{x} \times 100$

Required% $= \frac{\frac{9000}{x} - \frac{6000}{x}}{\frac{6000}{x}} \times 100 = 50\%$

S62. Ans.(d)
Sol. Number of failed students from school P
$= \frac{70}{35} \times 65$
= 130
Pass student from school T = 100
Required% = $\frac{130}{100} \times 100$ = 130%

S63. Ans.(a)
Sol. Total number of passed students = 70 + 90 + 85 + 60 + 100 + 120 = 525
Total Number of failed students = $\frac{525}{7} \times 3$ = 225

S64. Ans.(e)
Sol. Required difference = (70 + 90 + 120 + 100 – 85 – 60)
= 235

S65. Ans.(c)
Sol. Let failed student in school R = y
So failed student in school U = y + 15
ATQ,
$\frac{120+y+15}{y+85} = \frac{3}{2}$
On Solving
y = 15
So, Total failed students = 45

S66. Ans.(a)
Sol. Total markers sold by Deepak
= 450 + 650 + 550 = 1650
Total markers sold by Inder = 800 + 750 + 650
= 2200
Required % = $\frac{2200-1650}{2200} \times 100$
$= \frac{550}{2200} \times 100$
= 25%

S67. Ans.(d)
Sol. 'Y' markers sold by all the fives sellers
= 650 + 500 + 500 + 900 + 750 = 3300
'Z' marker sold by all the five sellers
= 550 + 700 + 600 + 750 + 650 = 3250
Required ratio = $\frac{3300}{3250} = \frac{66}{65}$

S68. Ans.(b)
Sol. Average number of marker sold by Yogesh
$= \frac{600+500+700}{3} = 600$
Average number of marker sold by Aman
$= \frac{400+500+600}{3} = 500$
Required difference = 600 – 500 = 100

S69. Ans.(e)
Sol. 'X' type marker sold by Yogesh, Shubham and Aman together = 600 + 750 + 400 = 1750
'Z' type marker sold by Yogesh, Shubham and Inder together = 700 + 750 + 650 = 2100
Required % = $\frac{2100-1750}{2100} \times 100$
$= 16\frac{2}{3}\%$

S70. Ans.(c)
Sol. Required difference
= (450 + 650 + 550 + 600 + 500 + 700 + 400 + 500 + 600) – (750 + 900 + 750 + 800 + 750 + 650)
= 4950 – 4600 = 350

S71. Ans.(c)
Sol. Required number of children
$= 30{,}000 \times \frac{15}{100} \times \frac{75}{100}$
= 3375

S72. Ans.(a)
Sol. Let number of children in city E and city A = x
Required % = $\frac{21\% \text{ of } x - 20\% \text{ of } x}{20\% \text{ of } x} \times 100$
$= \frac{1}{20} \times 100 = 5\%$

S73. Ans.(d)
Sol. ATQ,
75% – 25% → 2100
50% → 2100
1% → 42
100% → 4200
Total children in city C = 4200
Total population of city C
$= 4200 \times \frac{100}{15} = 28000$

S74. Ans.(b)
Sol. Required number of children
$= 2500 \times \frac{85}{100} = 2125$

S75. Ans.(e)
Sol. ATQ,
5% → 150
$100\% \rightarrow 150 \times \frac{100}{5} = 3000$
Total children in city F = 3000

S76. Ans.(b)
Sol. Total number of students registered for CGL
= 25 + 35 + 40 + 55 + 45 = 200
Total number of students registered for CHSL
= 20 + 30 + 35 + 45 + 20 = 150
Required% = $\frac{200-150}{150} \times 100$
$= \frac{50}{150} \times 100 = 33\frac{1}{3}\%$

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S77. Ans.(e)

Sol. Total students registered for all the three exams in 2012 and 2013 together

= 15 + 25 + 20 + 25 + 35 + 30

= 150

Total students registered for all the three exams in 2014 and 2015 together

= 35 + 40 + 35 + 45 + 55 + 45

= 255

Required ratio $= \frac{150}{255} = \frac{10}{17}$

S78. Ans.(c)

Sol. Average number of students registered for MTS exam

$= \frac{15+25+35+45+40}{5} = \frac{160}{5} = 32$

Average number of students registered for CHSL exam

$= \frac{20+30+35+45+20}{5}$

$= \frac{150}{5} = 30$

Required difference = 32 – 30 = 2

S79. Ans.(a)

Sol. Total students registered for all the three exams in 2016

= 40 + 45 + 20

= 105

Number of appeared students

$= \frac{80}{100} \times 105$

= 84

Students appeared for MTS exam

$= \frac{84}{7} \times 3$

= 36

Required % $= \frac{36}{40} \times 100 = 90\%$

S80. Ans.(d)

Sol. Total number of students register for all exams

= 25 + 35 + 30

= 90 Lakh

Required number of students

$= 90 \times \frac{80}{100} \times \frac{75}{100}$= 54 Lakh

S81. Ans.(a)

Sol. $\left[80{,}000 \times \frac{55}{100} + 82{,}000 \times \frac{80}{100} + 90{,}000 \times \frac{65}{100} + 60{,}000 \times \frac{50}{100} + 80{,}000 \times \frac{70}{100}\right]$

= 44,000 + 65,600 + 58,500 + 30,000 + 56,000

= 2,54,100

S82. Ans.(b)

Sol. Required% is $\rightarrow \frac{90-50}{50} \times 100$

$= \frac{40}{50} \times 100 = 80\%$

S83. Ans.(e)

Sol. $90{,}000 \times \frac{35}{100} - 40{,}000 \times \frac{40}{100}$

= 31,500 – 16,000

= 15,500

S84. Ans.(a)

Sol. 75% marks got in T (2012) $= 70{,}000 \times \frac{60}{100} = 42{,}000$

75% marks got in % (2018) $= 80{,}000 \times \frac{30}{100} = 24{,}000$

Required % $= \frac{42000-24{,}000}{42000} \times 100 \simeq 43\%$

S85. Ans.(d)

Sol. $\left[44{,}000 \times \frac{30}{100} + 66{,}000 \times \frac{65}{100} + 50{,}000 \times \frac{50}{100} + 40{,}000 \times \frac{60}{100} + 70{,}000 \times \frac{60}{100}\right]$

= 13,200 + 42,900 + 25,000 + 24,000 + 42,000

= 1,47,100

S86. Ans.(d)

Sol. Selling price of six article of type 'E'

$= 72 \times \frac{125}{100} \times 6 = 540$

Selling price of five articles of type 'A'

$= 80 \times \frac{120}{100} \times 5 = 480$

Required % $= \frac{540-480}{480} \times 100 = 12.5\%$

S87. Ans.(a)

Sol. Selling price of type 'F' $= 88 \times \frac{150}{100} = 132$

Selling price of type 'D' $= 60 \times \frac{110}{100} = 66$

Required % $= \frac{132}{66} \times 100 = 200\%$

S88. Ans.(c)

Sol. Profit earned on selling five articles of type 'B'

$= 96 \times \frac{25}{100} \times 5 = 120$

Profit earned on selling two articles of type 'A'

$= 80 \times \frac{20}{100} \times 2 = 32$

Total cost price = 96 × 5 + 80 × 2 = 480 + 160 = 640

Profit % $= \frac{120+32}{640} \times 100 = \frac{152}{640} \times 100 = 23.75\%$

S89. Ans.(c)

Sol. Required average

$= \frac{1}{6}\left[80 \times \frac{20}{100} + 96 \times \frac{25}{100} + 100 \times \frac{12}{100} + 60 \times \frac{10}{100} + 72 \times \frac{25}{100} + 88 \times \frac{50}{100}\right]$

$= \frac{1}{6}[16 + 24 + 12 + 6 + 18 + 44] = \frac{120}{6} = 20$

S90. Ans.(b)

Sol. Total selling price of type 'A' and 'B' together

$= 80 \times \frac{120}{100} + 96 \times \frac{125}{100} = 96 + 120 = 216$

Total selling price of type 'D' and 'F' together

$= 60 \times \frac{110}{100} + 88 \times \frac{150}{100} = 66 + 132 = 198$

Required ratio $= \frac{216}{198} = \frac{12}{11}$

S91. Ans.(a)

Sol. Items sold by A on Friday

= 2000 – (420 + 360 + 280 + 540)

= 2000 – 1600

= 400

Items sold by B on Tuesday

= 2200 – (440 + 240 + 510 +460)

= 550

Required % $= \frac{(550-400)}{400} \times 100$

= 37.5%

S92. Ans.(c)

Sol. Let items sold by C on Thursday be x.

ATQ,

$\frac{510+x}{x+160} = \frac{2}{1}$

510 + x = 2x + 320

x = 190

S93. Ans.(e)

Sol. Item sold by A on Friday = 1800 – 1600 = 200

Required difference = 420 – 200 = 220

S94. Ans.(d)

Sol. Items sold by D on Monday = 245 × 2 – 210 = 280

Required % $= \frac{280}{400} \times 100 = 70\%$

S95. Ans.(b)

Sol. Required total $= \left(\frac{410+350}{2}\right) + 250 + 520 + 410 + 350$

= 1900

Solution (96-100):

Population of sector A= $26000 \times \frac{21}{52} = 10{,}500$

Population of sector B= $26000 \times \frac{16}{52} = 8{,}000$

Population of sector C= $26000 \times \frac{21}{52} = 7{,}500$

Let number of females in sector A and number of males in sector C be 9x and 8x respectively

Number of males in sector A= $(10{,}500 - 9x)$

Number of females in sector C= (7,500-8x)

ATQ

$(10{,}500 - 9x) - (7{,}500 - 8x) = 2500$

$\Rightarrow x = 500$

Number of females in sector A = 4,500

Number of males in sector A= 10,500-4,500= 6,000

Number of males in sector C= 4,000

Number of females in sector C= 7,500-4,000= 3,500

Number of females in sector B= $\frac{70}{100} \times 6{,}000 = 4{,}200$

Number of males in sector B = 8000 - 4200= 3,800

Sector	Males	Female	Totals
A	6,000	4,500	10,500
B	3,800	4,200	8,000
C	4,000	3,500	7,500

S96. Ans.(c)

Sol. Required difference = $\frac{6000+3800}{2} - 4{,}500 = 400$

S97. Ans.(e)

Sol. Working females of sector A = $\frac{68 \times 4500}{100} = 3060$

Working females of sector B = $\frac{85 \times 4200}{100} = 3570$

Required % = $\frac{3570-3060}{3060} \times 100 = 16\frac{2}{3}\%$

S98. Ans.(a)

Sol. Required % = $\frac{(6000+4000)}{18{,}000} \times 100 = 55\frac{5}{9}\%$

S99. Ans.(d)

Sol. Required ratio = $\frac{(4500+4200+3500)}{(6000+3800+4000)}$

$= \frac{12{,}200}{13{,}800} = 61 : 69$

S100. Ans.(b)

Sol. Required difference = $\left(\frac{(4000+3800)}{2} - \frac{(4200+3500)}{2}\right) = 50$

S1. Ans.(b)
Sol. According to the sense of the sentence, Present Perfect Tense is required. It should be 'has pulled the brakes.'

S2. Ans.(a)
Sol. It should be 'would hit panicky buttons.'

S3. Ans.(d)
Sol. The correct use is 'alarmed by'.

S4. Ans.(e)
Sol. The sentence is correct.

S5. Ans.(a)
Sol. The sentence is in Past Tense. So, it should be 'were at increased risk.'

S6. Ans.(b)
Sol. Replace 'was quit' with 'was about to quit'

S7. Ans.(b)
Sol. Replace 'not only helped them with' with 'helped them not only with'

S8. Ans.(c)
Sol. Replace 'was knowing' with 'knew'

S9. Ans.(e)
Sol. No correction required

S10. Ans.(d)
Sol. Replace 'seemingly have presented' with 'would seemingly have presented'

S11. Ans.(c)
Sol. Leniency' is not the grammatically correct word to be used. The correct word is lenient and the only answer choice which uses this word is option (c).

S12. Ans.(e)
Sol. The sentence is grammatically correct, so no correction is required.

S13. Ans.(e)
Sol. The sentence is correct, so no correction is required.

S14. Ans.(d)
Sol. None of the other given answer choices fit in correctly as some or the other grammatical error is present. The correct form of sentence would be "The government should launch such projects which should reverse the distructive cycle of flood and drought !"

S15. Ans.(a)
Sol. Only the first answer choice fits correctly because the sentence is in the past tense where the action 'that is of setting up the committee' is already over.

S16. Ans.(b)

S17. Ans.(d)

S18. Ans.(c)

S19. Ans.(c)
Sol. 'as a healthier option' is the proper comparative form.

S20. Ans.(d)
Sol. 'who were earlier unaware' makes the sentence grammatically correct.

S21. Ans.(a)
Sol. The sentence is in past. So, past form of the verbs pass and propose is required.

S22. Ans.(e)
Sol. The sentence is correct.

S23. Ans.(b)
Sol. The sentence is in past tense.

S24. Ans.(a)
Sol. Option (a) is the correct choice as the verb will remain in active form.

S25. Ans.(b)
Sol. 'was' will be used in place of 'were' as the subject of the sentence 'appeal' is singular.

S26. Ans.(e)
Sol. No correction is required here as the subject of the verb (speculations and hypothesis) is plural.

S27. Ans.(e)
Sol. No correction is required here.

S28. Ans.(a)
Sol. Option (a) is correct as here 'and' is connecting two 'that' clauses.

S29. Ans.(a)
Sol. 'Anyone who will speak' is the correct use as 'will' is used for any future activity.

S30. Ans.(c)
Sol. 'though' is the correct word making the sentence meaningful as 'though' meaning 'despite the fact that' is used in the form of conjunction of contrast to explain the two opposite situations.

S31. Ans.(b)
Sol. 'dates' fits the blank appropriately.

S32. Ans.(e)
Sol. 'invented' fits the blank appropriately.

S33. Ans.(c)
Sol. 'exchange' fits the blank appropriately.

S34. Ans.(d)
Sol. 'key' fits the blank appropriately.

S35. Ans.(a)
Sol. 'originated' fits the blank appropriately

S36. Ans.(a)
Sol. 'shambles' fits the blank appropriately.

S37. Ans.(b)
Sol. 'across' fits the blank appropriately.

S38. Ans.(c)
Sol. 'consisted' fits the blank appropriately.

S39. Ans.(b)
Sol. 'provide' fits the blank appropriately.

S40. Ans.(b)
Sol. 'sea' fits the blank appropriately.

S41. Ans.(d)
Sol. 'affluent' fits the blank appropriately.

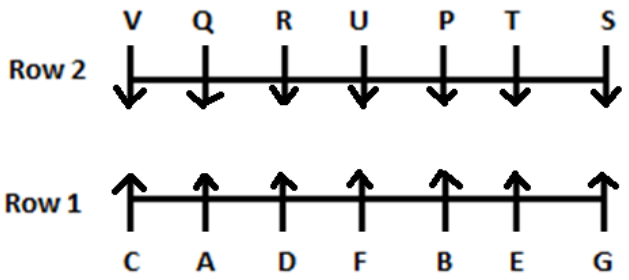
S42. Ans.(e)
Sol. 'tremendous' fits the blank appropriately.

S43. Ans.(c)
Sol. 'inequality' fits the blank appropriately.

S44. Ans.(d)
S45. Ans.(b)
S46. Ans.(d)
S47. Ans.(b)
S48. Ans.(e)
S49. Ans.(a)
S50. Ans.(d)
S51. Ans.(a)
S52. Ans.(d)
S53. Ans.(a)
S54. Ans.(e)
S55. Ans.(a)
S56. Ans.(b)
S57. Ans.(e)
S58. Ans.(d)
S59. Ans.(e)
S60. Ans.(d)

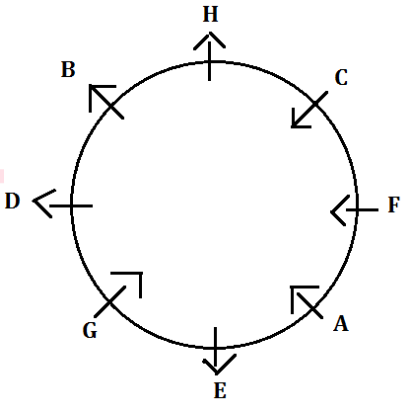
Reasoning Ability

Solutions (1-5):



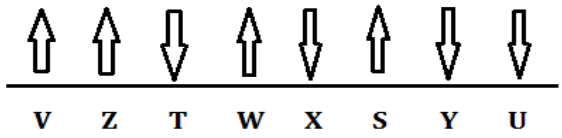
S1. Ans.(a)
S2. Ans.(d)
S3. Ans.(c)
S4. Ans.(c)
S5. Ans.(a)

Solutions (6-10):



S6. Ans.(b)
S7. Ans.(c)
S8. Ans.(e)
S9. Ans.(d)
S10. Ans.(a)

Solutions (11-15):



S11. Ans.(b)
S12. Ans.(d)
S13. Ans.(d)
S14. Ans.(a)
S15. Ans.(b)

Solutions (16-20):

Sr No.	Boxes
7	N
6	L
5	O
4	K
3	Q
2	M
1	P

S16. Ans.(c)
S17. Ans.(a)
S18. Ans.(e)
S19. Ans.(a)
S20. Ans.(e)

Solutions (21-25):

Month	Players
January	A
February	C
March	E
April	B
May	F
June	D

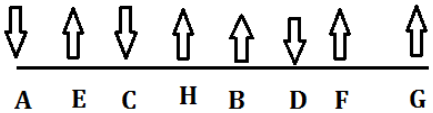
S21. Ans.(d)
S22. Ans.(a)
S23. Ans.(c)
S24. Ans.(b)
S25. Ans.(c)

Solutions (26-30):

Box
Purple
Orange
Yellow
Green
Blue
White
Black

S26. Ans.(b)
S27. Ans.(c)
S28. Ans.(b)
S29. Ans.(e)
S30. Ans.(b)

Solution (31-35):



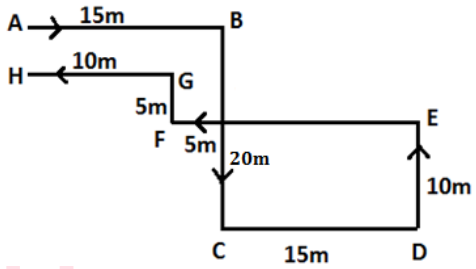
S31. Ans.(e)
S32. Ans.(b)
S33. Ans.(c)
S34. Ans.(c)
S35. Ans.(a)

Solutions (36-40):

Person	Color	Fruit
M	Green	Papaya
N	Purple	orange
O	Blue	Kiwi
P	White	Apple
Q	Black	Mango
R	Pink	Grapes
S	Grey	Banana

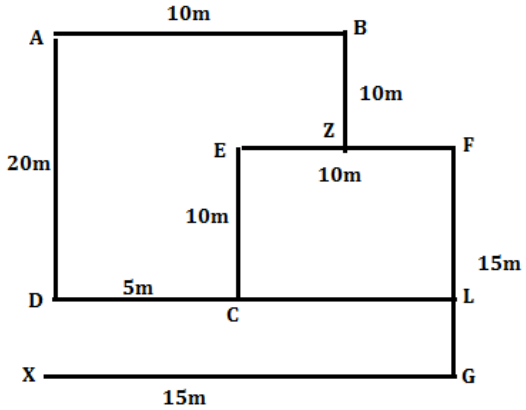
S36. Ans.(b)
S37. Ans.(d)
S38. Ans.(c)
S39. Ans.(c)
S40. Ans.(e)

Solutions (41-44):



S41. Ans.(e)
S42. Ans.(e)
S43. Ans.(a)
S44. Ans.(b)

Solutions (45-48):



S45. Ans.(a)
S46. Ans.(c)
S47. Ans.(a)
S48. Ans.(e)

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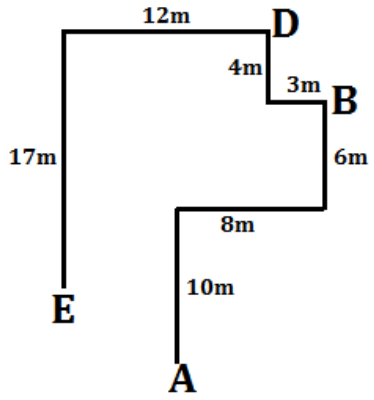
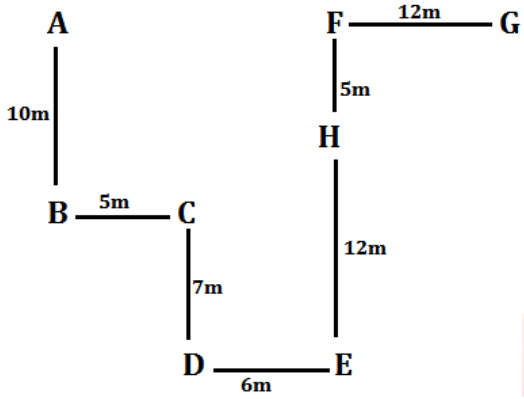
Solution (49-50):



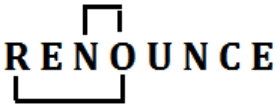
S49. Ans.(e)
S50. Ans.(a)

Solution (51-53):



S51. Ans.(d)
S52. Ans.(b)
S53. Ans.(a)

S54. Ans.(d)
Sol.



S55. Ans.(a)
Sol. Clearly, number of students in the class
= (14 + 32-1) = 45.

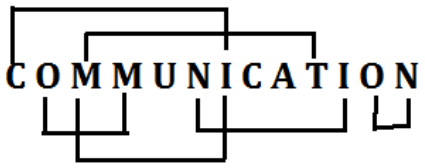
S56. Ans.(b)
Sol. Number of boys who passed = (21+11-1) = 31.
∴ Total number of boys in the class = (31 + 10 + 3) = 44.

S57. Ans.(a)
Sol. Clearly, A is 13th from the right and
B is 11th from the right end and 10th from the left end of the row
So, number of boys in the row = (11 -1 + 10) = 20
Now, A is 13th from the right
Number of boys to the left of A = (21 – 13) = 8
Hence, A is 8th from the left end of the row.

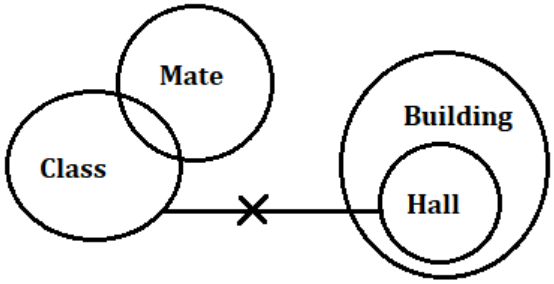
S58. Ans.(c)

S59. Ans.(d)
Sol. Original Word: FUNDAMENTAL
Obtained Word: DFLMNNSTAAEU

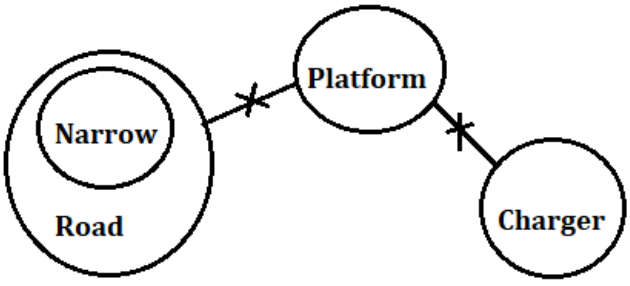
S60. Ans.(e)
Sol.



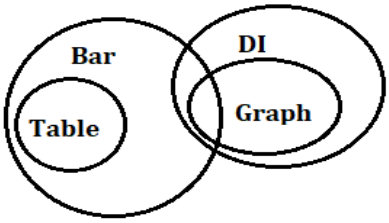
S61. Ans.(a)
Sol.



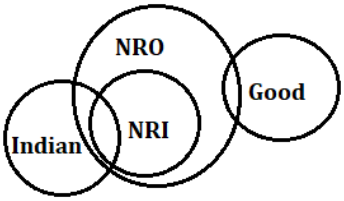
S62. Ans.(a)
Sol.



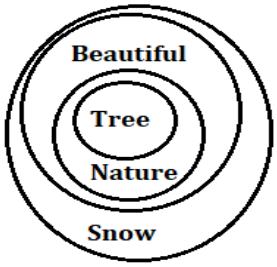
S63. Ans.(b)
Sol.



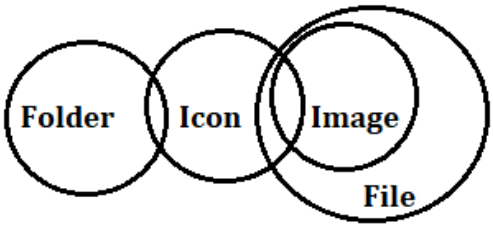
S64. Ans.(c)
Sol.



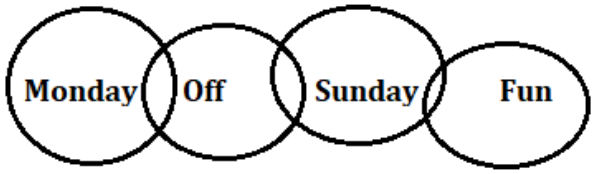
S65. Ans.(b)
Sol.



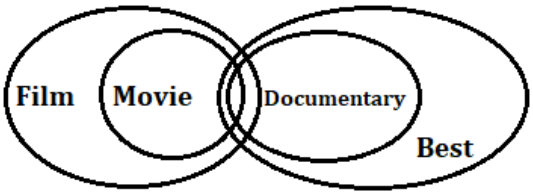
S66. Ans.(c)
Sol.



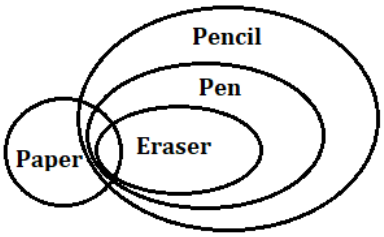
S67. Ans.(d)
Sol.



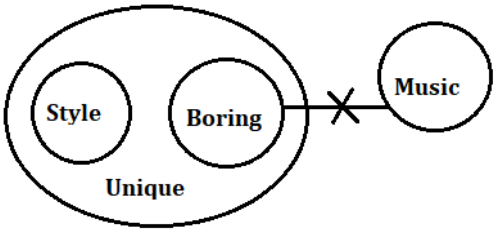
S68. Ans.(e)
Sol.



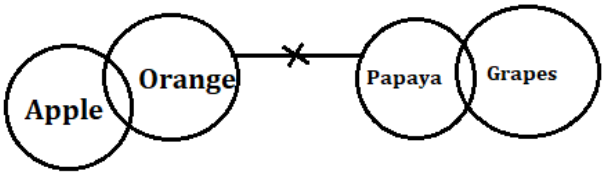
S69. Ans.(c)
Sol.



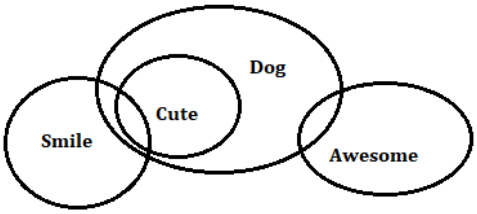
S70. Ans.(b)
Sol.



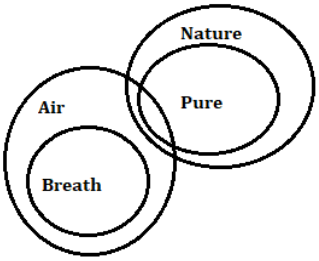
S71. Ans.(b)
Sol.



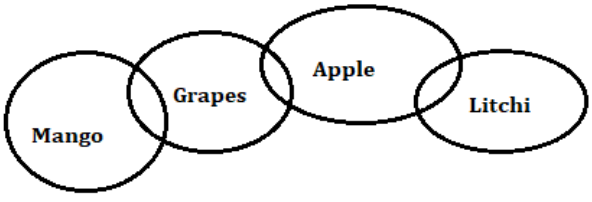
S72. Ans.(b)
Sol.



S73. Ans.(d)
Sol.



S74. Ans.(a)
Sol.



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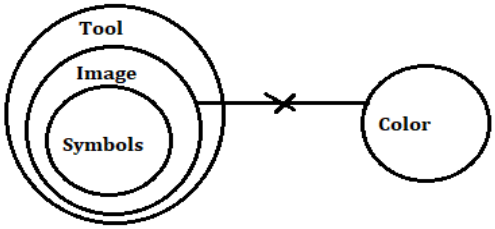
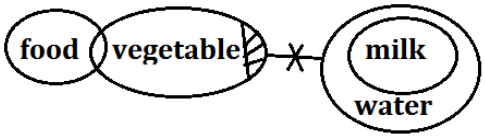
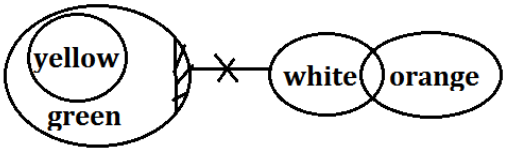
S75. Ans.(e)
Sol.



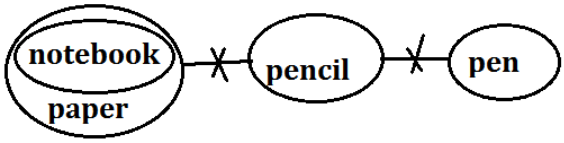
S76. Ans.(d)
Sol.



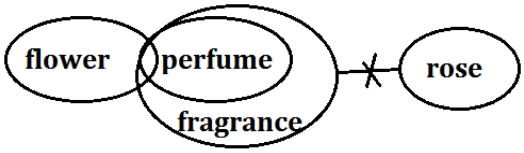
S77. Ans.(c)
Sol.



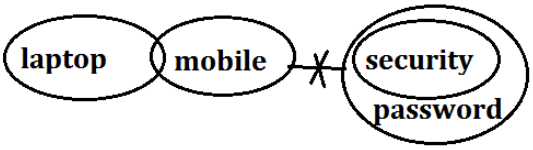
S78. Ans.(c)
Sol.



S79. Ans.(b)
Sol.



S80. Ans.(c)
Sol.



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