RBI Office Attendant 2021- Practice PDF 5 (Solutions)

General Awareness

S1. Ans.(d)

Sol. Reserve Bank of India has launched a Digital Payments Index (DPI) to capture the extent of digitization of digital/electronic payments across the country. This RBI-Digital Payments Index (DPI) has 5 broad parameters.

S2. Ans.(b)

Sol. The Indian Navy has signed a contract with the Bharat Electronics Limited (BEL), to procure Light Amplification by Stimulated Emission of Radiation Dazlers (Laser Dazzlers). Initially, agreement has been signed for 20 Laser Dazlers.

S3. Ans.(c)

Sol. Former Union Minister and senior Rajasthan Congress leader Buta Singh has passed away.

S4. Ans.(c)

Sol. The base period for RBI-DPI is March 2018. This means that the DPI score for March 2018 is set at 100. RBI has calculated the DPI for March 2019 and March 2020 at 153.47 and 207.84 respectively, indicating appreciable growth.

S5. Ans.(d)

Sol. Goa's 14-year-old Leon Mendonca became India's 67th Grandmaster.

S6. Ans.(e)

Sol. Colonel Narendra 'Bull' Kumar, who helped secure Siachen for India, passed away at 87. In 1978, Colonel Kumar led an expedition to the Siachen — the first such trek to the glacier — and planted the tricolour there. He later mapped the area in 1981-82. He was responsible for the success of Operation Meghdoot in 1984, a high-altitude operation to pre-empt Pakistan from occupying the Saltoro Ridge and the Siachen Glacier.

S7. Ans.(d)

Sol. World Braille Day is observed globally on 4th January since 2019. The day is celebrated to raise awareness of the importance of Braille as a means of communication in the full realization of the human rights for blind and partially sighted people.

S8. Ans.(c)

Sol. India has been chosen as the co-chair of the IUCNsupported Asia Protected Areas Partnership (APAP) for a period of three years till November 2023.

S9. Ans.(b)

Sol. India's richest man Mukesh Ambani, the chairman and Managing Director of Reliance Industries Limited (RIL) dropped down to 12th spot in the Bloomberg Billionaires Index 2021 (as on 2nd January 2021).

S10. Ans.(a)

Sol. Home Minister Amit Shah has released the inaugural issue of the National Police K-9 Journal in New Delhi.

S11. Ans.(e)

Sol. Delhi government Department of Art, Culture, and Language has set-up a Tamil academy to promote the language and culture of the southern state of Tamil Nadu.

S12. Ans.(b)

Sol. The 51st International Film Festival of India (IFFI) will open on 16th January, with the Indian premiere of the movie 'Another Round' by Thomas Vinterberg.

S13. Ans.(c)

Sol. LCU L-58 is the final ship in the series of 8 LCUs being manufactured by GRSE for the Indian Navy.

S14. Ans.(b)

Sol. The Drugs Controller General of India (DCGI) has formally announced the final approval for Oxford-AstraZeneca "Covishield" vaccine against the coronavirus disease (Covid-19) for emergency use.

S15. Ans.(e)

Sol. The Drugs Controller General of India (DCGI) has formally announced the final approval for Bharat Biotech "Covaxin" vaccine against the coronavirus disease (Covid-19) for emergency use.



S16. Ans.(d)

Sol. Prime Minister Shri Narendra Modi addressed the National Metrology Conclave, via video conferencing on January 04, 2021. Theme: 'Metrology for the Inclusive Growth of the Nation'. National Metrology Conclave 2021 was organised by the Council of Scientific and Industrial Research-National Physical Laboratory (CSIR-NPL), New Delhi, to mark its 75th year of inception.

S17. Ans.(c)

Sol. On January 01, 2021, the U.S. Congress has passed the 'Malala Yousafzai Scholarship Act' to increase the number of scholarships for Pakistani women in higher education under a merit and needs-based programme.

S18. Ans.(a)

Sol. Indian Army has inked a contract with Goa Shipyard Limited (GSL) to procure 12 Fast Patrol Boats for surveillance and patrolling of large water bodies, including those in high altitude areas like Pangong Tso lake in Ladakh. The indigenously-built boats will be delivered by May 2021 by Defence sector Public Sector Undertaking (PSU), GSL.

S19. Ans.(d)

Sol. The Asian Development Bank (ADB) and the Government of India has signed a \$100 million loan on 31st December 2020 to modernise and upgrade the power distribution system in Bengaluru to enhance the quality and reliability of electricity supply in the city.

S20. Ans.(c)

Sol. Justice Pankaj Mithal has been appointed as the new Chief Justice (CJ) of the Common High Court for the Union Territory of Jammu & Kashmir and Union Territory of Ladakh in Jammu on January 04, 2021.

S21. Ans.(a)

Sol. Indian multinational two-wheeler and threewheeler manufacturing company, Bajaj Auto, has become the most valuable two-wheeler company in the world, after it crossed a market.

S22. Ans.(c)

Sol. Former Maharashtra cabinet minister and seventime Congress MLA Vilas Patil Undalkar has passed away, following a brief illness.

S23. Ans.(b)

Sol. IDBI Bank announced the launch of video KYC account opening (VAO) facility for savings bank accounts.

S24. Ans.(e)

Sol. Sanjay Kapoor was elected president of the All India Chess Federation (AICF).

S25. Ans.(a)

Sol. The All India Gem and Jewellery Domestic Council (GJC), the national apex body of the gems and jewellery industry, has announced the appointment of Ashish Pethe as chairman.

S26. Ans.(b)

Sol. The Pradhan Mantri Rashtriya Bal Puraskar (PMRBP) for the year 2021 has been conferred to 32 children, hailing from from 32 districts of 21 States/UTs.

S27. Ans.(c)

Sol. India observes "National Voters' Day" every year on January 25 to encourage more young voters to take part in the political process.

S28. Ans.(e)

Sol. The Border Security Force (BSF) has launched "Operation Sard Hawa" on the western international border of Rajasthan.

S29. Ans.(c)

Sol. Uttar Pradesh Chief Minister Yogi Adityanath launched the 'Udyam Sarathi App' on the occasion of the Foundation Day of the state, on 24 January 2021.

S30. Ans.(d)

Sol. China overtook Germany to become the country with the world's largest current account surplus in the year 2020, as per a survey by the Munich-based Ifo institute.

S31. Ans.(c)

Sol. Every year, January 25 is celebrated as National Tourism Day in India.

S32. Ans.(b)

Sol. The Prime Minister of Mongolia, Khurelsukh Ukhnaa, has resigned along with his entire government, following protests and public outrage over the government's handling of the COVID-19 pandemic.

S33. Ans.(d)

Sol. In India the National Girl Child Day (NGCD) is observed annually on January 24 since 2008.

S34. Ans.(b)

Sol. Noted historian, author, poet and retired bureaucrat Narendra Luther has passed. He was 88 A 1955 batch IAS officer, Luther was closely associated with the history and culture of erstwhile Hyderabad state and its rulers.

S35. Ans.(d)

Sol. The iconic American radio and television host, and paid spokesman, Larry King, has passed away.

S36. Ans.(b)

Sol. The theme of NVD 2021 is, 'Making Our Voters Empowered, Vigilant, Safe and Informed'.

S37. Ans.(e)

Sol. The 71st Uttar Pradesh Day celebration will run from 24 January to 26 January, 2021. The theme of Uttar Pradesh Day 2021 is 'Respect for self-reliant Uttar Pradesh, women young farmers, development of all'.

S38. Ans.(b)

Sol. The United Nations General Assembly proclaimed 24 January as International Day of Education, in celebration of the role of education for peace and development.

S39. Ans.(a)

Sol. International Day of Education will be marked under the theme 'Recover and Revitalize Education for the COVID-19 Generation'.

S40. Ans.(d)

Sol. Shristi Goswami, a nineteen-year-old Haridwarbased student, become the Chief Minister of Uttarakhand for one day on National Girl Child Day.

S41. Ans.(c)

Sol. Union Home Minister Shri Amit Shah has inaugurated the new 4-lane Thaltej-Shilaj-Rancharda railway overbridge in Ahmedabad city of Gujarat through video conferencing.

S42. Ans.(e)

Sol. Meghalaya Chief Minister, Conrad K. Sangma has inaugurated India's longest road arch bridge "Wahrew Bridge" at Sohbar in East Khasi Hills district of Meghalaya on 22 January 2021.

S43. Ans.(b)

Sol. The Union Minister of Tribal Affairs Shri Arjun Munda has launched a National Migration Support Portal "ShramShakti", during a virtual programme organised at Panjim, Goa. The portal will help the government in smooth formulation of state and national level programs for migrant workers.

S44. Ans.(a)

Sol. The 7th edition of 'MASCRADE 2021 – Movement against Smuggled & Counterfeit Trade' was inaugurated by Dr Harsh Vardhan, the Union Minister of Health and Family welfare.

S45. Ans.(c)

Sol. Nikhil Srivastava, a young Indian mathematician, has been named winner of the prestigious 2021 Michael and Sheila Held Prize along with two others for solving long-standing questions on the Kadison-Singer problem and on Ramanujan graphs.

S46. Ans.(e)

Sol. The Indo-Tibetan Border Police (ITBP) has won the Ice Hockey Association of India (IHAI) 10th National Ice Hockey Championship trophy after a win over Ladakh in the finals in Gulmarg.

S47. Ans.(d)

Sol. Odisha Chief Minister Naveen Patnaik has inaugurated the annual Toshali National Crafts Mela in Bhubaneswar.

S48. Ans.(d)

Sol. Shyam Srinivasan, managing director and chief executive officer (CEO) of Federal Bank, is the Business Standard Banker of the Year for 2019-20.

S49. Ans.(a)

Sol. The DRDO successfully conducted captive and release trial of indigenously developed Smart Anti-Airfield Weapon (SAAW) from Hawk-I aircraft of Hindustan Aeronautics Limited (HAL) off the Odisha coast.

S50. Ans.(b)

Sol. The iconic Indian Bhajan singer Narendra Chanchal, who specialized in religious songs and hymns, has passed away.



Quantitative Aptitude

S1. Ans.(d)	S10. Ans.(d)
Sol. $2^5 + 2^{10} = ? \times 12$	Sol. ? = $\frac{255 \times 272 \times 153}{102 \times 204 \times 85} = 6$
	102×204×85
$\frac{2^5(1+32)}{12} = ?$	S11. Ans.(a)
$\Rightarrow ?= 88$	
	Sol. $\frac{3}{8} \times 4200 + 625 + 1000 - 700 = (?)^2$
S2. Ans.(a)	$(?)^2 = 1575 + 625 + 1000 - 700 = 2500$
Sol. $\sqrt{256} + \sqrt{784} = ? \times \sqrt{121}$? = 50
$16 + 28 = ? \times 11$: - 50
	S12. Ans.(c)
$? = \frac{44}{11} = 4$	
11	Sol. $\frac{?+62.5}{3} + 360 - 144 - 20 = 169 + 87$
S3. Ans.(d)	$? + 62.5 = (169 + 87 + 144 + 20 - 360) \times 3$
Sol. 80% of 350 + 45% of 800 = ? × 256	? = 180 - 62.5 = 117.5
$280 + 360 = ? \times 256$	
	S13. Ans.(d)
$? = \frac{640}{256} = 2.5$	Sol. 270 + 121 - $\sqrt{?}$ = 361
S4. Ans.(e)	$\sqrt{?} = 30$
Sol. 115% of 360 + 180% of 270 = ? × 225	? = 900
414 + 486 = ? × 225	\mathbf{S}_{14} And \mathbf{b}_{1}
$? = \frac{900}{225} = 4$	S14. Ans.(b)
$2 - \frac{1}{225} - 4$	Sol. $\frac{624}{2} + 21 + 27 = 36 + 220$
S5. Ans.(b)	$\frac{624}{2} = 208$
Sol. $9^{?} \times 729 = \frac{3^{*} \times 9^{9}}{81}$	$? = \frac{624}{208} = 3$
$9^{?} = \frac{9^{2} \times 9^{6}}{9^{2} \times 9^{3}} = 9^{3}$	200
	S15. Ans.(a)
\Rightarrow ? = 3	Sol. $\frac{?}{100} \times 625 + \frac{1}{3} \times 750 + \frac{1}{11} \times 5500 - 25 = 1000$
S6 Ame (d)	100 3 11 ? × 6.25 + 250 + 500 - 25 = 1000
S6. Ans.(d)	
	$2 \times C DE = DZE$
Sol. $5\frac{1}{4} + 7\frac{1}{3} + 4\frac{1}{2} = 3\frac{1}{6} + 7 + 5\frac{1}{6}$? × 6.25 = 275
	? × 6.25 = 275 ? = 44
$(5+7+4) + (\frac{1}{4} + \frac{1}{3} + \frac{1}{2}) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$? = 44
$(5+7+4) + (\frac{1}{4} + \frac{1}{3} + \frac{1}{2}) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$? = 44 S16. Ans.(d)
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? $? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600
$(5+7+4) + (\frac{1}{4} + \frac{1}{3} + \frac{1}{2}) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$? = 44 S16. Ans.(d)
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? \qquad \qquad$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? $ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b)	? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e)
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? \qquad \qquad$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? \qquad (24)$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}\%$ of $300 + 62\frac{1}{2}\%$ of $460 = ?$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e)
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ? \qquad (24)$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}\%$ of $300 + 62\frac{1}{2}\%$ of $460 = ?$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d)	? = 44 S16. Ans.(d) Sol. $1645 + 1500 + ? = 3600$? = 455 S17. Ans.(e) Sol. $2450 - 1540 + 1700 - 710 = \frac{?}{100} \times 1900$? $\times 19 = 1900$? = 100 S18. Ans.(c)
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$	$? = 44$ S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. $75\% \times 160 + 45\% \times 300 = ? \times 17$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ?
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. $75\% \times 160 + 45\% \times 300 = ? \times 17$ $? \times 17 = \frac{3}{4} \times 160 + \frac{9}{20} \times 300$	$? = 44$ S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. $75\% \times 160 + 45\% \times 300 = ? \times 17$ $? \times 17 = \frac{3}{4} \times 160 + \frac{9}{20} \times 300$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0
$(5+7+4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. $75\% \times 160 + 45\% \times 300 = ? \times 17$ $? \times 17 = \frac{3}{4} \times 160 + \frac{9}{20} \times 300$ $? = \frac{120+135}{17} = \frac{255}{17} = 15$	$? = 44$ S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a)
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 $? × 17 = \frac{3}{4} × 160 + \frac{9}{20} × 300$ $? = \frac{120+135}{17} = \frac{255}{17} = 15$ S9. Ans.(c)	? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 $? × 17 = \frac{3}{4} × 160 + \frac{9}{20} × 300$ $? = \frac{120+135}{17} = \frac{255}{17} = 15$ S9. Ans.(c)	? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a) Sol. 250 + 283 - 157 + 24 + 100 = $\frac{4750}{?}$
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 ? × 17 = $\frac{3}{4} \times 160 + \frac{9}{20} \times 300$? = $\frac{120 + 135}{17} = \frac{255}{17} = 15$ S9. Ans.(c) Sol. 28 $\frac{2}{7} \times 5\frac{8}{11} + ? = 36\frac{1}{9} \times 7\frac{8}{13}$	$? = 44$ S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a)
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 $? × 17 = \frac{3}{4} × 160 + \frac{9}{20} × 300$ $? = \frac{120+135}{17} = \frac{255}{17} = 15$ S9. Ans.(c)	? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a) Sol. 250 + 283 - 157 + 24 + 100 = $\frac{4750}{?}$? = $\frac{4750}{500} = 9.5$
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 ? × 17 = $\frac{3}{4} \times 160 + \frac{9}{20} \times 300$? = $\frac{120 + 135}{17} = \frac{255}{17} = 15$ S9. Ans.(c) Sol. 28 $\frac{2}{7} \times 5\frac{8}{11} + ? = 36\frac{1}{9} \times 7\frac{8}{13}$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a) Sol. 250 + 283 - 157 + 24 + 100 = $\frac{4750}{?}$? = $\frac{4750}{500}$ = 9.5 S20. Ans.(d)
$(5 + 7 + 4) + (\frac{1}{4} + \frac{1}{3} + \frac{1}{2}) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. $37\frac{1}{2}$ % of $300 + 62\frac{1}{2}$ % of $460 = ?$ $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. $75\% \times 160 + 45\% \times 300 = ? \times 17$ $? \times 17 = \frac{3}{4} \times 160 + \frac{9}{20} \times 300$ $? = \frac{120 + 135}{17} = \frac{255}{17} = 15$ S9. Ans.(c) Sol. $28\frac{2}{7} \times 5\frac{8}{11} + ? = 36\frac{1}{9} \times 7\frac{8}{13}$ $\frac{198}{7} \times \frac{63}{11} + ? = \frac{325}{9} \times \frac{99}{13}$ $? = 275 - 162$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a) Sol. 250 + 283 - 157 + 24 + 100 = $\frac{4750}{?}$? = $\frac{4750}{500}$ = 9.5 S20. Ans.(d) Sol. 2250 + 270 - 20 + 125 + ? = 3600
$(5 + 7 + 4) + \left(\frac{1}{4} + \frac{1}{3} + \frac{1}{2}\right) - 3 - 5 - \frac{1}{6} - \frac{1}{6} = ?$ $8 + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{3} = ?$ $? = 8 + \frac{2+4}{8} = 8\frac{3}{4}$ S7. Ans.(b) Sol. 37 $\frac{1}{2}$ % of 300 + 62 $\frac{1}{2}$ % of 460 =? $? = \frac{75}{200} \times 300 + \frac{125}{200} \times 460$ $= \frac{225}{2} + \frac{575}{2} = 400$ S8. Ans.(d) Sol. 75% × 160 + 45% × 300 = ? × 17 ? × 17 = $\frac{3}{4} \times 160 + \frac{9}{20} \times 300$ $? = \frac{120 + 135}{17} = \frac{255}{17} = 15$ S9. Ans.(c) Sol. 28 $\frac{2}{7} \times 5\frac{8}{11} + ? = 36\frac{1}{9} \times 7\frac{8}{13}$ $\frac{198}{7} \times \frac{63}{11} + ? = \frac{325}{9} \times \frac{99}{13}$? = 44 S16. Ans.(d) Sol. 1645 + 1500 + ? = 3600 ? = 455 S17. Ans.(e) Sol. 2450 - 1540 + 1700 - 710 = $\frac{?}{100} \times 1900$? × 19 = 1900 ? = 100 S18. Ans.(c) Sol. $\frac{2}{5} \times 1325 + 299 + 271 = \frac{1}{3} \times 3300 + ?$ 530 + 299 + 271 = 1100 + ? ? = 0 S19. Ans.(a) Sol. 250 + 283 - 157 + 24 + 100 = $\frac{4750}{?}$? = $\frac{4750}{500}$ = 9.5 S20. Ans.(d)

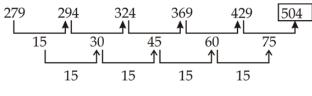
S21. Ans.(b) S30. Ans.(d) **Sol.** $\frac{80}{100} \times 550 + \frac{45}{100} \times 800 = ?^2 \times 8$ **Sol.** $\frac{54}{100} \times 7000 - \frac{78}{100} \times 4000 + 16 = ?^2$ $?^2 = 3780 - 3120 + 16$ $?^2 \times 8 = 440 + 360$ $?^2 = \frac{800}{8}$ $?^2 = 676$? = 26 ? = 10 S31. Ans.(c) S22. Ans.(c) Sol. Pattern is **Sol.** $\frac{9}{75} \times \frac{195}{11} \times \frac{660}{36} = ?-64$ 72 2 ? = 39 + 64? = 103S23. Ans.(d) **Sol.** $(39 \times 13) - 729 + 418 = ?^2$ S32. Ans.(d) $?^2 = 507 - 729 + 418$ **Sol.** Pattern is $?^2 = 196$ 4 6 15 52.5 0.5 ×1.5 ×2.5 ×3.5 ×4.5 8 236.25 ? = 14S24. Ans.(a) ×0.5 **Sol.** $148 + \frac{832}{64} - 97 = ?^3$ S33. Ans.(a) $?^3 = 51 + 13$ Sol. Pattern is $?^3 = 64$ 34 72 148 300 60 +19×1 +19×2 +19×4 +19×8 +19×16 15 604 ? = 4S25. Ans.(e) **Sol.** $\frac{80}{100} \times 400 + \frac{?}{100} \times 650 = 580$ S34. Ans.(d) $\frac{?}{100} \times 650 = 580 - 320$ Sol. Pattern is $? = \frac{260}{650} \times 100$ 25 30 20 40 80 ? = 40S26. Ans.(e) ×2 ×2 ×2 ×2 **Sol.** $16 \times 50 - 18 \times 32 + 196 = ?$ S35. Ans.(c) ? = 800 - 576 + 196**Sol.** Pattern is ? = 420 8 9 15 32 | | | | 82.5 15 S27. Ans.(b) **Sol.** ?× 14 + 695 = $\frac{36}{100}$ × 2400 + 755 ×1+1 ×1.5+1.5 ×2+2 ×2.5+2.5 $\times 0.5 + 0.5$ $? \times 14 = 864 + 755 - 695$ $? = \frac{924}{14}$ BILINGUAL ? = 66 S28. Ans.(b) **Sol.** $\frac{18}{100} \times 200 + \frac{?}{100} \times 600 = \frac{40}{100} \times 750$ $? \times 6 = 300 - 36$ $? = \frac{264}{6}$ RBI A ? = 44 **Live Mock Test** S29. Ans.(a) **Sol.** 339 + 211 - 380 =? -320 **Discussion Batch** ? = 170 + 320Starts Mar 22, 2021 10 AM to 2 PM ? = 490

S36. Ans.(b)

Sol. Pattern is $18 \times 3 + 1 = 55$ $55 \times 3 + 2 = 167$ $167 \times 3 + 3 = 504$ $504 \times 3 + 4 = 1516$

S37. Ans.(a)

Sol. Pattern is



S38. Ans.(d)

Sol. Pattern is

10 L	26 ∱ I	50 ∱I) 1	10 ≜ I	320 [_ ≜	1265 •
+1	16	+24	+60	+210	+945	5
	×1.5	5 ×2		3.5	×4.5	

S39. Ans.(b)

Sol. Pattern is $\frac{286}{2} - 1 = 142, \frac{142}{2} - 1 = 70, \frac{70}{2} - 1 = 34, \frac{34}{2} - 1 = 16$ S40. Ans.(c) Sol. Pattern is 1166 200 320 464 613 786 964 ≜L ≜L +173+178+149+5+5+24+24+24S41. Ans.(d) **Sol. I.** $x^2 - 11x + 30 = 0$ $x^2 - 5x - 6x + 30 = 0$ x(x-5) - 6(x-5) = 0(x-5)(x-6) = 0x = 5, 6**II.** $y^2 - 9y + 20 = 0$ $v^2 - 4v - 5v + 20 = 0$ y(y-4) - 5(y-4) = 0(y-5)(y-4) = 0y = 4, 5So, $x \ge y$. S42. Ans.(e) **Sol. I.** $(x - 6)^2 = 256$ x - 6 = +16x - 6 = 16x - 6 = -16x = 22

x = -10

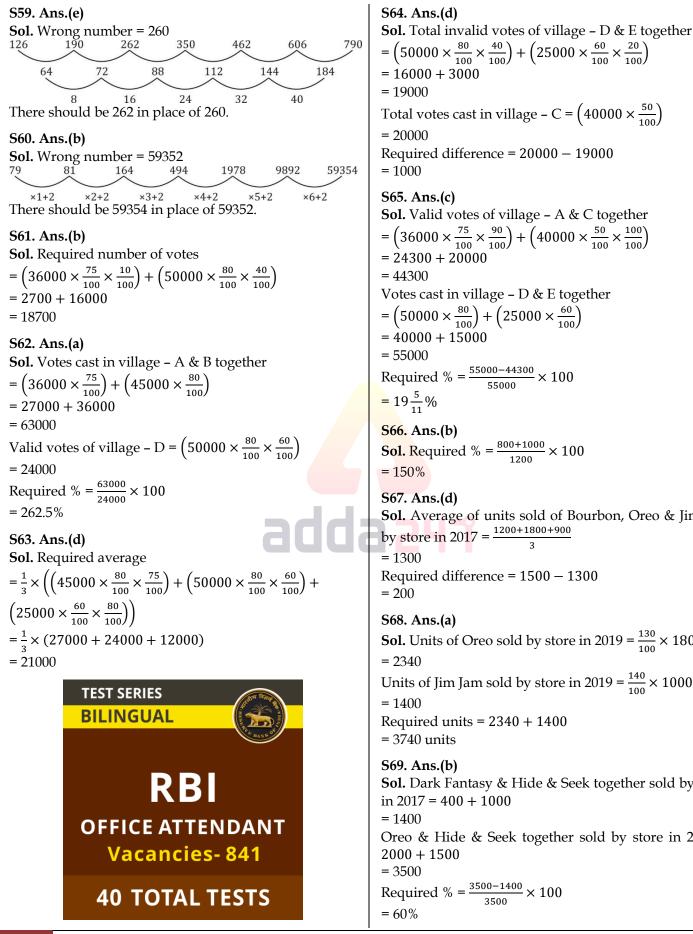
II. $15y^2 - 34y + 16 = 0$ $15y^2 - 24y - 10y + 16 = 0$ 3y(5y-8) - 2(5y-8) = 0(5y - 8)(3y - 2) = 0 $y = \frac{8}{5}, \frac{2}{3}$ So, no relation S43. Ans.(e) **Sol. I.** $x^2 - x - 6 = 0$ $x^2 + 2x - 3x - 6 = 0$ x(x+2) - 3(x+2) = 0(x+2)(x-3) = 0x = -2,3**II.** $y^2 - 8y + 12 = 0$ $y^2 - 6y - 2y + 12 = 0$ y(y-6) - 2(y-6) = 0(y - 6)(y - 2) = 0y = 2, 6So, no relation. S44. Ans.(c) **Sol. I.** $14x^2 - 17x + 5 = 0$ $14x^2 - 10x - 7x + 5 = 0$ 2x(7x-5) - 1(7x-5) = 0(7x-5)(2x-1) = 0 $x = \frac{5}{7}, \frac{1}{2}$ **II.** $28y^2 - 41y + 15 = 0$ $28y^2 - 20y - 21y + 15 = 0$ 4y(7y-5) - 3(7y-5) = 0(7y - 5)(4y - 3) = 0 $y = \frac{5}{7}, \frac{3}{4}$ So, $x \leq y$. S45. Ans.(e) **Sol. I.** $x^2 = 196$ $x = \pm 14$ **II.** $y^3 = 1728$ v = 12So, no relation. S46. Ans.(b) **Sol. I.** $21x^2 - 59x + 40 = 0$ $21x^2 - 35x - 24x + 40 = 0$ 7x(3x-5) - 8(3x-5) = 0(3x-5)(7x-8) = 0

 $x = \frac{5}{3}, \frac{8}{7}$ **II.** $9y^2 - 36y + 35 = 0$ $9y^2 - 21y - 15y + 35 = 0$ 3y(3y-7) - 5(3y-7) = 0(3y-7)(3y-5) = 0 $y = \frac{7}{3}, \frac{5}{3}$

Adda247 | No. 1 APP for Banking & SSC Preparation Website: bankersadda.com | sscadda.com | adda247.com | Email: blogger@adda247.com

So, $y \ge x$.

S47. Ans.(c) S51. Ans.(b) **Sol. I.** $x^2 - 15x + 56 = 0$ **Sol.** Wrong number = 160 Pattern of series $x^2 - 7x - 8x + 56 = 0$ 74 100 162 188 276 338 x(x-7) - 8(x-7) = 0+62 +62 +26 +26 (x-7)(x-8) = 0+26 So, there should be 162 in place of 160. x = 7.8**II.** $y^2 - 8y + 15 = 0$ S52. Ans.(d) $y^2 - 5y - 3y + 15 = 0$ **Sol.** Wrong number = 90 v(v-5) - 3(v-5) = 0Pattern of series -(y-5)(y-3) = 096 240 720 ×2.5 ×3 ×3 32 48 10080 v = 5.3×1.5 ×2 So, x > y. So, there should be 96 in place of 90. S53. Ans.(a) S48. Ans.(a) **Sol.** Wrong number = 3000 **Sol. I.** $x^3 = 729$ Pattern of series $x = \sqrt[3]{729}$ 12 1740 1619 2619 2538 3050 3001 x = 9-11² +10³ +12³ -9² +8³ **II.** $y^2 - 15y + 54 = 0$ So, there should be 3001 in place of 3000. $y^2 - 6y - 9y + 54 = 0$ y(y-6) - 9(y-6) = 0S54. Ans.(b) (y-6)(y-9) = 0**Sol.** Wrong number = 188 y = 9, 6Pattern of series -So, $x \ge y$. 121 190 270 328 568 +80 +69 S49. Ans.(e) **Sol. I.** $35x^2 - 66x + 27 = 0$ +11 -22 +33 -44 +55 $35x^2 - 45x - 21x + 27 = 0$ So, there should be 190 in place of 188. 5x(7x-9) - 3(7x-9) = 0S55. Ans.(a) (7x-9)(5x-3) = 0**Sol.** Wrong number = 14 $x = \frac{9}{7}, \frac{3}{5}$ Pattern of series -**II.** $8y^2 - 23y + 14 = 0$ 72 288 12 8640 60480 ×5 $8y^2 - 16y - 7y + 14 = 0$ ×2 ×4 ×6 ×3 8y(y-2) - 7(y-2) = 0So, there should be 12 in place of 14. (y-2)(8y-7) = 0S56. Ans.(b) $y = 2, \frac{7}{2}$ **Sol.** Wrong number = 535 533 758 668 608 443 So, no relation. 743 713 -75 -30 -45 -90 -15 -60 S50. Ans.(b) There should be 533 in place of 535. **Sol. I.** $x^2 + 12x + 35 = 0$ S57. Ans.(d) $x^{2} + 5x + 7x + 35 = 0$ **Sol.** Wrong number = 525 x(x+5) + 7(x+5) = 0526 625 680 746 548 581 515 (x+5)(x+7) = 0x = -5, -7 $+(11\times1)$ $+(11\times2)$ $+(11\times3)$ $+(11\times4)$ $+(11\times5)$ $+(11\times6)$ There should be 526 in place of 525. **II.** $y^2 + 7y + 10 = 0$ $y^2 + 2y + 5y + 10 = 0$ S58. Ans.(a) y(y+2) + 5(y+2) = 0**Sol.** Wrong number = 12 (y+2)(y+5) = 0512 16 64 8192 y = -2, -5×0.5 $\times 1$ ×2 ×8 ×16 So, $x \leq y$. There should be 16 in place of 12.



S64. Ans.(d)

 $= \left(50000 \times \frac{80}{100} \times \frac{40}{100}\right) + \left(25000 \times \frac{60}{100} \times \frac{20}{100}\right)$ = 16000 + 3000Total votes cast in village – C = $\left(40000 \times \frac{50}{100}\right)$ Required difference = 20000 - 19000S65. Ans.(c) Sol. Valid votes of village - A & C together $= \left(36000 \times \frac{75}{100} \times \frac{90}{100}\right) + \left(40000 \times \frac{50}{100} \times \frac{100}{100}\right)$ = 24300 + 20000Votes cast in village - D & E together $= \left(50000 \times \frac{80}{100}\right) + \left(25000 \times \frac{60}{100}\right)$ =40000+15000Required % = $\frac{55000 - 44300}{55000} \times 100$ $= 19\frac{5}{11}\%$ S66. Ans.(b) **Sol.** Required % = $\frac{800+1000}{1200} \times 100$ S67. Ans.(d) Sol. Average of units sold of Bourbon, Oreo & Jim Jam by store in $2017 = \frac{1200+1800+900}{5}$ Required difference = 1500 - 1300S68. Ans.(a) **Sol.** Units of Oreo sold by store in $2019 = \frac{130}{100} \times 1800$ Units of Jim Jam sold by store in $2019 = \frac{140}{100} \times 1000$ Required units = 2340 + 1400= 3740 units S69. Ans.(b) Sol. Dark Fantasy & Hide & Seek together sold by store in 2017 = 400 + 1000 Oreo & Hide & Seek together sold by store in 2018 = 2000 + 1500Required % = $\frac{3500-1400}{3500} \times 100$

S70. Ans.(d) Sol. Required revenue = $(30 \times (400 + 800))$ = Rs.36000 S71. Ans.(b) Sol. Required difference = $\frac{45-45}{100} \times 60000 = 0$ S72. Ans.(e) Sol. Required sum = $\{\frac{(20+15+25)}{3} + 30\} \times \frac{60000}{100}$ = 30,000 S73. Ans.(b) Sol. Selling price of a Math book = $160 \times \frac{70}{100}$ = Rs. 112	S78. Ans.(e) Sol. Required average = $\frac{1}{3} \times \left(30000 \times \frac{(12+25+28)}{100}\right)$ = 100 × 65 = 6500 S79. Ans.(b) Sol. Male employees in Marketing and R & D departments together = $\left(30000 \times \frac{30+5}{100}\right)$ = 10500 Total employees in Marketing and R & D departments together = $\left(50000 \times \frac{32+8}{100}\right)$
Selling price of a English book = $160 \times \frac{75}{100} \times \frac{70}{100}$ = Rs. 84 Total revenue generated on selling all the copies of these two books = $(12000 \times 112 + 9000 \times 84)$ = Rs. 21 lakh	= 20000 Required % = $\frac{10500}{20000} \times 100$ = 52.5% S80. Ans.(d) S01. Male employees in Finance and Production
S74. Ans.(a) Sol. Total unsold books of SST and Math together = $\left(60000 \times \frac{20}{100} \times \frac{20}{100} + 60000 \times \frac{25}{100} \times \frac{25}{100}\right)$ = 2400 + 3750 = 6150 Required % = $\frac{6150}{60000 \times \frac{10}{100}} \times 100 = 102.5\%$	departments together = $30000 \times \frac{12+28}{100}$ = 12000 Female employees in Finance and Production departments together = $(50000 \times \frac{16+24}{100}) - 12000$ = 20000 - 12000 = 8000
S75. Ans.(d) Sol. required% = $\frac{\{(20+15+30)-25\}}{25} \times 100$ = $\frac{40}{25} \times 100 = 160\%$	Required ratio = $\frac{12000}{8000}$ = 3:2
$= \frac{1}{25} \times 100 = 180\%$ S76. Ans.(d) Sol. Required number of female employees $= \left(50000 \times \frac{20}{100} - 30000 \times \frac{25}{100}\right) + \left(50000 \times \frac{8}{100} - 30000 \times \frac{5}{100}\right) + \left(50000 \times \frac{24}{100} - 30000 \times \frac{28}{100}\right)$ $= 2500 + 2500 + 3600$ $= 8600$	S81. Ans.(c) Sol. Sold units of B & C together $= \left(40000 \times \frac{100-5}{100}\right) + \left(10000 \times \frac{100-30}{100}\right)$ $= 38000 + 7000$ $= 45000 \text{ units}$ Required % = $\frac{45000}{50000} \times 100$ $= 90\%$
S77. Ans.(e) Sol. Female employees in Finance and Marketing departments together $= \left(50000 \times \frac{16}{100} - 30000 \times \frac{12}{100}\right) + \left(50000 \times \frac{32}{100} - 30000 \times \frac{30}{100}\right)$ $= 4400 + 7000$ $= 11400$ Total employees in Production department $= \left(50000 \times \frac{24}{100}\right) = 12000$ Required % = $\frac{11400}{12000} \times 100$ = 95%	S82. Ans.(d) Sol. Sold units of D & E together $= \left(25000 \times \frac{100-10}{100}\right) + \left(50000 \times \frac{100-25}{100}\right)$ $= 22500 + 37500$ $= 60000 \text{ units}$ Unsold units of A & B together $= \left(30000 \times \frac{15}{100}\right) + \left(40000 \times \frac{5}{100}\right)$ $= 4500 + 2000$ $= 6500 \text{ units}$ Required ratio = $\frac{60000}{6500}$ $= 120 : 13$

Adda247 | No. 1 APP for Banking & SSC Preparation Website: bankersadda.com | sscadda.com | adda247.com | Email: blogger@adda247.com

S83. Ans.(a) S87. Ans.(a) Sol. Boys playing Carrom and Billiards together Sol. Required average $= 3000 \times \frac{100 - 50}{100} + 3500 \times \frac{100 - 40}{100}$ $=\frac{1}{3} \times \left(\left(10000 \times \frac{30}{100} \right) + \left(25000 \times \frac{10}{100} \right) + \left(50000 \times \frac{25}{100} \right) \right)$ = 1500 + 2100 $=\frac{1}{2} \times (3000 + 2500 + 12500)$ = 3600 Girls playing Table tennis = $1500 \times \frac{30}{100}$ = 6000 units = 450S84. Ans.(e) Required ratio = $\frac{3600}{450}$ **Sol.** Total units manufactured of B & C together = 8 : 1=40000 + 10000S88. Ans.(d) = 50000Sol. Average number of girls playing Chess, Ludo & Total units manufactured of A & E together Table tennis = 30000 + 50000 $= \frac{1}{3} \times \left(\left(4000 \times \frac{45}{100} \right) + \left(2500 \times \frac{60}{100} \right) + \left(1500 \times \frac{30}{100} \right) \right)$ = 80000Required % = $\frac{80000-50000}{80000} \times 100$ $=\frac{1}{2} \times (1800 + 1500 + 450)$ = 1250= 37.5%Boys playing Ludo & Carrom together $= 2500 \times \frac{100-60}{100} + 3000 \times \frac{100-50}{100}$ S85. Ans.(e) Sol. Required units = 1000 + 150 $= \left(30000 \times \frac{100-15}{100}\right) + \left(40000 \times \frac{100-5}{100}\right) + \left(10000 \times \frac{100-5}{100}\right)$ = 2500Required % = $\frac{2500-1250}{2500} \times 100$ $\left(\frac{100-30}{100}\right) + \left(25000 \times \frac{100-10}{100}\right) + \left(50000 \times \frac{100-25}{100}\right)$ = 50%= 25500 + 38000 + 7000 + 22500 + 37500**S89.** Ans.(e) =130500 units **Sol.** Total students playing Cards = $\frac{160}{100} \times 2500$ S86. Ans.(b) = 4000**Sol.** Boys playing Chess = $4000 \times \frac{100-45}{100}$ Boys playing Cards and Ludo together $=4000 \times \frac{7}{10} + 2500 \times \frac{100-60}{100}$ = 2200Girls playing Ludo & Carrom together = 2800 + 1000 $= 2500 \times \frac{60}{100} + 3000 \times \frac{50}{100}$ = 3800Girls playing Cards and Chess together = 1500 + 1500 $= 4000 \times \frac{3}{10} + 4000 \times \frac{45}{100}$ = 3000 = 1200 + 1800Required % = $\frac{2200}{3000} \times 100$ = 3000 $= 73\frac{1}{2}\%$ Required difference = 3800 - 3000= 800BILINGUAL S90. Ans.(c) Sol. Boys playing Chess, Ludo and Table tennis together $= \left(4000 \times \frac{100-45}{100}\right) + \left(2500 \times \frac{100-60}{100}\right) + \left(1500 \times \frac{100-30}{100}\right)$ = 2200 + 1000 + 1050 = 4250Girls playing Carrom and Billiards together RBI AT $= (3000 \times \frac{50}{100}) + (3500 \times \frac{40}{100})$ = 1500 + 1400Live Mock Test = 2900**Discussion Batch** Required difference = 4250 - 2900Starts Mar 22, 2021 10 AM to 2 PM = 1350

S91. Ans.(c)	S95. Ans.(d)
Sol. Total number of sedans in A & E together	Sol. Total number of sedans in A, B, C, D & E together
=4800+3600=8400	= 4800 + 5400 + 5000 + 3000 + 3600
Total number of SUVs in B & E together	= 21800
=4000+4000=8000	Total number of SUVs in A, B, C, D & E together
Required % = $\frac{8400-8000}{8000} \times 100 = 5\%$	= 3200 + 4000 + 4800 + 5400 + 4000
	= 21400
S92. Ans.(a)	Required difference = 21800 – 21400
Sol. Total sedans in C & D together = $5000 + 3000$	= 400
= 8000	
Total SUVs in A & D together = $3200 + 5400$	S96. Ans.(b)
= 8600	Sol. required average = $\frac{2400+3600+3000}{3}$
Required ratio = $\frac{8000}{8600}$ = 40:43	= 3000.
S93. Ans.(b)	S97. Ans.(e)
Sol. Total number of SUVs in C & D together	Sol. required total = 2000 × 0.55 + 3500 × 0.4 = 2500
= 4800 + 5400	*
= 10200	S98. Ans.(a)
Total number of sedans in B & E together	Sol. required difference
= 5400 + 3600	$= \{(3600 \times 0.5 + 2000 \times 0.45 + 3500 \times 0.6) -$
= 9000	$(3600 \times 0.5 + 2000 \times 0.55 + 3500 \times 0.4)$ = 500
Required difference = 10200 – 9000	S99. Ans.(c)
= 1200	
S94. Ans.(a)	Sol. required average (2400×0.4±3600×0.5±2000×0.45±3000×0.48±3500×0.6)
	$=\frac{(2400\times0.4+3600\times0.5+2000\times0.45+3000\times0.48+3500\times0.6)}{5}=1440.$
Sol. Total number of hatchbacks in $D = \frac{80}{100} \times 5000$	S100. Ans.(b)
= 4000	
Required difference = 4800 – 4000	Sol. required total = $\left(\frac{3600}{80} \times 100 + \frac{3500}{70} \times 100\right)$ = 4500+ 5000 = 9500.
= 800	= 4500+ 5000 = 9500.

English Language

S1. Ans.(a)

Sol. There is an error in the part (A). The erroneous phrase is 'will be'. The correct phrase will be 'will cost'. So, the correct answer is option (a).

S2. Ans.(d)

Sol. There is an error in the part (D), and the erroneous part is 'is momentous event'. The correct phrase would be 'is a momentous event'. 'Momentous event' is a noun-phrase (noun type- common noun) and should be preceded by an article.

Hence, the correct answer is option (d).

S3. Ans.(b)

Sol. There is an error in the part (B), and the error is in the phrase 'companies for the world'. Incorrect preposition 'for' is used in the phrase. The correct preposition to be used is 'around'.

Hence, the correct answer is option (b).

S4. Ans.(b)

Sol. There is an error in the part (B) of the sentence, and the erroneous phrase is 'since the past two years'. The usage of 'since' is **incorrect**, and the correct word to be used here is '**for**'.

Hence, the correct answer is option (b).

S5. Ans.(e)

Sol. The given sentence is grammatically correct and contextually meaningful. The correct answer is option (e).

S6. Ans.(d)

Sol. The use of article 'an' before the adjective 'intelligent' is incorrect. When two adjectives are used for the same person, then the article is used before the first adjective only.

Hence, there is an error in (D), and option (d) is the correct answer.

S7. Ans.(c)

Sol. When 'one of' is followed by two nouns, then we don't tell the possession or ownership with the use of 's but with the help of 'of'. The reason is that after 'one of' noun is plural, and thus, if two nouns are used, then it becomes more difficult to determine which of the noun is plural. In such cases, the expression starts giving double-meaning. The correct phrase would be 'the farmhouse of one of the CBI officers'.

Hence, there is an error in the part (C), and option (c) is the correct answer.

S8. Ans.(a)

Sol. Instead of the singular 'conversation', the noun 'conversation' should be plural i.e. 'conversations'. So, there is an error in the part (A) of the sentence, and option (A) is the correct answer.

S9. Ans.(b)

Sol. An article would be used before the noun 'rich'. Hence, there is an error in the part (B), and option (b) is the correct answer.

S10. Ans.(b)

Sol. The noun 'woman' in the part (B) should be plural i.e. 'women' because the expression 'among those' indicates that there is more than one woman. So, there is an error in the part (B) of the sentence, and hence, option (b) is the correct answer.

S11. Ans.(b)

Sol. 'were' would be used instead of 'was' in the part (B) because the subject of the verb phrase 'was seen' is 'Five kilometres' which is a plural noun. So, there is an error in the part (B) and option (b) is the correct answer.

S12. Ans.(b)

Sol. Instead of 'lived', 'has lived' or 'has been living' would be used because the tense of the sentence is **present tense** which is evident from the phrases 'is sitting' present in the part (A) and 'has never created' in the part (C).

So, there is an error in the part (B) of the sentence, and option (b) is the correct answer.

S13. Ans.(a)

Sol. Instead of 'Suresh will find' in the part (A), 'Suresh finds' would be used because when in future, two events are mentioned, then **simple present tense** is used in the **conditional clause or subordinate clause** (the ones which start with when, if, before, after, until etc.), and **the future tense** is used in the **principal clause**.

So, there is an error in the part (A) of the sentence. Hence, option (a) is the correct answer.

S14. Ans.(c)

Sol. A **present tense** is used to convey 'present habit'. So, instead of 'she is getting up' in the part (C), 'she gets up' would be used. Hence, there is an error in the part (C) of the sentence and option (c) is the correct answer.

S15. Ans.(c)

Sol. Instead of 'have', 'has' would be used because the principle subject of the sentence is 'Seema' which is a **singular noun**. When two subjects are connected through 'as well as, in addition to, like, unlike, accompanied by, with, together with, along with' etc. Then, the noun or noun-equivalent which appears before such words is the principle noun and the form of the verb would be decided by the principle subject. Hence, there is an error in the part (C), and option (c) is the correct answer.

S16. Ans.(d) Sol. Replace with 'set government property on fire'

S17. Ans.(a) Sol. Replace 'line' with 'lining'

S18. Ans.(e) **Sol.** No error

S19. Ans.(a) Sol. Replace 'after' with 'at'

S20. Ans.(e) Sol. No error

S21. Ans.(c) Sol. Delete 'to'

S22. Ans.(b)

Sol. Replace 'is' with 'was' as sentence starts in a past tense ends in past tense.

S23. Ans.(c) Sol. Replace 'against' with 'for'



S24. Ans.(c)

Sol. Replace 'where' with 'when'

S25. Ans.(e)

S26. Ans.(b)

Sol. 'to' will be used in place of 'in' as after 'junior, senior, inferior, superior, prior, anterior', preposition 'to' is used.

Ex. She is junior to me.

S27. Ans.(a)

Sol. 'for' will be used in place of 'from' as in present perfect continuous or present perfect tense , 'for' is used to represent the period of time.

Ex. He has been living with me for the last one year.

S28. Ans.(a)

Sol. 'received' will be used in place of 'receive' as the sentence is in past tense as is indicated by 'already over'.

S29. Ans.(a)

Sol. 'we would have' will be used in place of 'we had' as for unreal situation of past 'Subject + would/ could/ might/ should + have + V3' is used.

Ex. I would have helped you if you had come earlier.

S30. Ans.(c)

Sol. 'from' will be used in place of 'of' as preposition 'from' is used after 'suffer'.

Ex. He is suffering from fever.

S31. Ans.(c)

Sol. The hint for the answer can be derived from the phrases 'the number of critically polluted stretches', 'water quality indicators', and 'Central Pollution Control Board' etc. The theme of the passage is 'water pollution in rivers'.

Among the given options, the word 'polluted' is the most relevant word for the given blank. Hence, option (c) is the correct answer.

The correct phrase would be 'The number of **polluted** stretches'.

Fore (adj.) means 'situated or place in front';

Incessant (adj.) means '(of something regarded as unpleasant) continuing without pause or interruption.

Capsized (adj.) means '(of a boat) overturned in the water';

S32. Ans.(a)

Sol. The blank would be filled by a verb, indicating the **nature** of change in number 'to 351 from 302'. Among the given options, 'increased' and 'decreased' are the relevant verbs, but among them, the correct verb which correctly conveys the nature of change in the number ('to 351 from 302 two years ago') is '**increased**'.

The correct phrase would be 'India's rivers has **increased** to 351 from 302 two years ago'.

Flay (verb) means 'strip the skin off (a corpse or carcass);'

Spawn (verb) means '(of a fish, frog, mollusc, crustacean, etc) release or deposit eggs';

Zap (verb) means 'to get rid of or kill something or someone especially intentionally';

S33. Ans.(c)

Sol. The blank would be filled by an adjective qualifying the noun 'water quality indicators'.

Among the given options, the relevant adjective is option (c) 'poorest', and is the correct answer.

The correct phrase would be 'water quality indicators are the **poorest'**.

S34. Ans.(b)

Sol. The blank would be filled by an adverb and would indicate the nature of change in the number 'to 45 from 34'.

Among the given options, the adverb which correctly conveys the correct meaning is 'up'.

The correct phrase would be 'has gone **up** to 45 from 34'. Hence, option (b) is the correct answer.

S35. Ans.(b)

Sol. The blank would be filled by a noun.

Among the given options, the relevant word which satisfies the contextual requirements imposed on the blank is 'assessment'. Hence, the correct answer is option (b) 'assessment'.

The correct phrase would be 'according to an assessment.'

'inundate' means 'a severe flood';

S36. Ans.(a)

Sol. The relevant phrase seems to be 'the most **visible** of the government's efforts.'

Conspicuous means 'visible, apparent, see able etc.'

Unobtrusive means 'ambiguous, obscure, secret etc.'

Among the given options, 'conspicuous' is the correct word which would fill the blank and is the correct answer.

The correct phrase would be 'the most **conspicuous** of the government's efforts.'

S37. Ans.(e)

Sol. The blank seems to be forming a 'to-infinitive' with the preceding word 'to'.

So, the blank should be filled by a verb.

Among the given options, the verb 'tackle' is the most relevant verb which would fill the blank and is the correct answer.

The correct phrase would be 'efforts to **tackle** pollution,'

S38. Ans.(d)

Sol. The blank would be filled by an adjective.

Among the given options, 'actually' which means 'truly real, existent' is the most relevant adjective which could fill the blank and is the correct answer.

Hence, option (d) is the correct answer.

The correct phrase would be 'are **actually** far less polluted.'

Clandestine and covert means 'secret.'

S39. Ans.(e)

Sol. The context of the sentence suggests that the blank would be filled by a noun.

Among the given options, 'recommendations' is the most relevant noun which would fill the blank and is the correct answer.

Hence, option (e) is the correct answer.

The correct phrase would be 'Based on the **recommendations** of the National Green Tribunal'.

Tussle, quarrel and squabble means 'a vigorous struggle or scuffle, typically in order to obtain or achieve something.

Dichotomy means 'a division or contrast between two things that are or are represented or being opposed or entirely different.'

S40. Ans.(d)

Sol. The blank seems to be filled by a verb.

Apprise (verb) means 'tell';

Cadge (verb) means ask for or obtain, scrounge (verb) means 'to beg'.

Among the given options, the relevant word which would fill the blank is 'apprise' (option (d)).

The correct phrase would be 'the CPCB last month **apprised** the States.'

S41. Ans.(c)

Sol. 'brought' best suits the purpose as it completely justifies the paragraph.

Accrued means be received by someone in regular or increasing amounts over time.

S42. Ans.(a)

Sol. '**capital'** is the correct word to be replaced as the paragraph revolves around the theme of recapitalization.

S43. Ans.(a)

Sol. 'addressed' is the correct word to be replaced.

Beseeched means ask someone urgently and fervently to do or give something.

Implored means beg someone earnestly or desperately to do something.

S44. Ans.(b)

Sol. 'approach' is the correct word as the sentence talks about the way the government recaptilised the banks in 1980-1990s.

Orate means make a speech, especially pompously or at length.

Spout means express (one's views or ideas) in a lengthy, declamatory, and unreflecting way.

S45. Ans.(c)

Sol. 'infused' best suits the purpose as the paragraph is about recapitalization which means infusing the capital in Publc sector banks.

S46. Ans.(e)

Sol. 'bonds' is the correct word as there is a comparison between the operational details of the bonds.

S47. Ans.(e) **Sol.** No improvement is required here.

S48. Ans.(c) Sol. 'dilution' is correct. We can get the hint from above sentence where it used.

S49. Ans.(e) **Sol. No** improvement is required.

S50. Ans.(b) **Sol.** 'impact' best suits the purpose.

S51. Ans.(d)

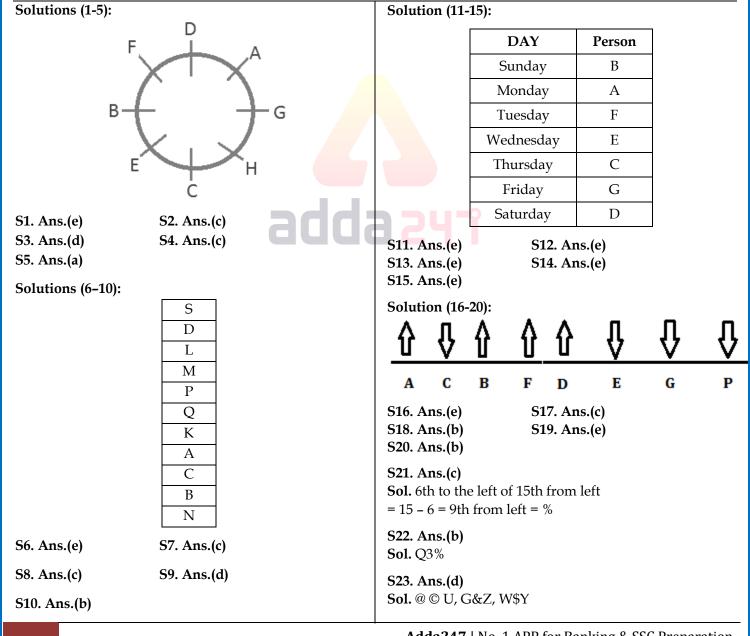
Sol. 'revealing' is the correct word to be replaced as the sentence is disclosing the fact that two of the three Nobel Prizes for the sciences are linked to time.

S52. Ans.(d)

Sol. 'have' is the correct use as the subject of the sentence is plural.



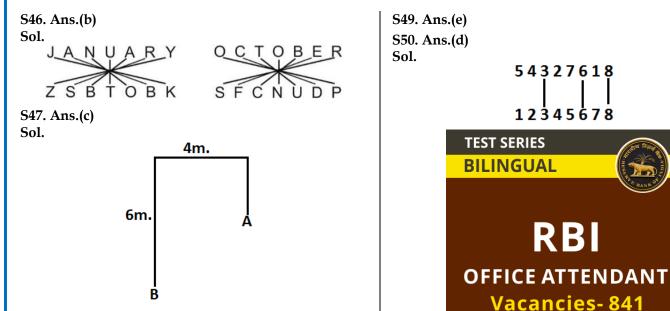
S53. Ans.(b) **S57. Ans.(**e) **Sol.** 'awarded' is the correct word as the sentence talks **Sol.** No improvement is required here. about the Noble prizes which are presented to S58. Ans.(a) physicists. Sol. 'unravel' is the correct word to be replaced as it S54. Ans.(b) means investigate and solve or explain (something **Sol.** 'detection' is making the sentence meaningful as the sentence talks about the discovery of physicists who complicated or puzzling). are presented Nobel prize. S59. Ans.(d) S55. Ans.(c) Sol. 'rhythm' best suits the purpose as it means the Sol. 'won' is the correct word to be replaced. sentence discusses about circadian rhythm. S56. Ans.(c) **Sol.** 'discovering' is the correct word. **S60. Ans.(**e) Discern means recognize or find out. **Sol.** No improvement is required here.



Reasoning Ability

15

S24. Ans.(a)	S37. Ans.(d)		
Sol. None	Sol. E ≤ W(i)		
S25. Ans.(e)	W < Q(ii)		
Sol. 69H	Q≥H(iii)		
Solutions (26-30):	Combining all, we get E≤W <q≥h< td=""><td></td></q≥h<>		
	Hence $E \leq Q$ and I does not follow.		
S26. Ans.(e)	Again, E=H and II does not follow		
Sol. After applying above condition, H will be right answer.	S38. Ans.(a)		
	Sol. J = T(i)		
S27. Ans.(e)	T > W(ii)		
S28. Ans.(b)	W ≥ R(iii)		
Sol. A is sixth to the right of thirteenth letter from left	Combining all, we get $J = T > W \ge$	R.	
end.	Hence J > R and I follows.		
S29. Ans.(e)	Also, $T \ge R$ and II does not follow.		
S30. Ans.(d)	S39. Ans.(a)		
	Sol. $T > R \dots (i)$		
Solutions (31-35):	R≥H(ii)		
S31. Ans.(a)	H < F(iii)		
Sol. Conclusion:	From (i) and (ii), $T > R \ge H$ or $H < T$	T. Hence I follows.	
\mathbf{I} , $\mathbf{C} > \mathbf{A}$ (True)	But from I and (iii) F and T can't be		
II. $A \ge C($ Not True $)$	Hence II does not follow.	•	
S32. Ans.(d)	\mathbf{S}_{10} And (\mathbf{d})		
Sol. Conclusion:	S40. Ans.(d) Sol. F = D(i)		
$\mathbf{I} \cdot \mathbf{P} > \mathbf{Q}(\text{Not True})$	D > V(ii)		
II. Q > M(Not True)	V < P(ii)		
S33. Ans.(b)	From (i), (ii) and (iii) F = D > V <p.< td=""><td></td></p.<>		
Sol. Conclusions:	Hence I and II do not follow.		
$\mathbf{I} \cdot \mathbf{V} > \mathbf{S}(\text{Not True})$			
II. V > T(True)	Solutions (41-45):		
S34. Ans.(d) Sol. Conclusions:	Word	Code	
I. $M \ge Q($ Not True $)$	Party	Un	
II. $Q < M($ Not True $)$	Food	Ie	
S35. Ans.(e)	Dance	as	
Sol. Conclusions: $\mathbf{I} \times \mathbf{N} \in \mathcal{N}(\mathbb{T}^{m})$	Drinks	bn	
I. Y > V(True) II. W > U(True)	Ministry	cd	
	Of	xt	
Solutions (36-40):	Jeans	st	
S36. Ans.(e)	Shopping/music	yp/yx	
Sol. $L \le K(i)$ $K \le M(ii)$	Shopping/ music	JF/ JA	
$J \ge M \dots (iii)$	S41. Ans.(a) S42. Ans.(d)		
Combining all, we get $L \le K \le M \le J$.	S43. Ans.(e) S44. Ans.(b)	
Hence L < M and I follows.	S45. Ans.(d)		
Again, K < J and II follows.			



S48. Ans.(b)

Sol. Except (b) all other have three letters between them.



40 TOTAL TESTS



BOOKS



Visit: publications.adda247.com & store.adda247.com For any information, mail us at **publications@adda247.com**