

SSC SPECIAL DAILY QUIZ -568
TOTAL QUESTIONS-40, TIME - 40 MINUTES, MARKS - 40
ARENA OF GENERAL KNOWLEDGE

1. The concept of carbon credit originated from which one of the following?
 (a) earth summit, Rio de Janeiro (b) Kyoto protocol
 (c) Montreal protocol (d) G – 8 summit, Heiligendamm
2. Who is the founder of World Economic Forum?
 (a) Klaus Schwab (b) John Kenneth Galbraith
 (c) Robert Zoellick (d) Paul Krugman
3. The security council of UN consists of 5 – permanent members and remaining 10 members are elected by General Assembly for a term of.
 (a) 1 year (b) 2 years (c) 3 years (d) 5 years
4. From which one of the following did Kosovo declare its independence?
 (a) Bulgaria (b) Croatia (c) Macedonia (d) Serbia
5. Which one of the pairs of countries fought wars over a region called ogaden?
 (a) Eritrea and Sudan (b) Ethiopia and Somalia
 (c) Kenya and Somalia (d) Ethiopia and Sudden
6. Which one among the following has the highest energy?
 (a) Blue Light (b) Green Light (c) Red Light (d) Yellow Light
7. The Drafting of the Constitution was completed on.
 (a) 26th January 1950 (b) 26th December 1949
 (c) 26th November 1949 (d) 30th November 1949
8. Who discovered the first antibiotic?
 (a) A. Fleming (b) W. Fleming (c) C. Waksman (d) Louis Pasteur
9. Raga Kameshwari was composed by
 (a) Ustad Amjat Ali Khan (b) Uday Shankar (c) Pandit Ravi Shankar (d) None
10. Mercury thermometer was invented by
 (a) Fahrenheit (b) Priestley (c) Galileo (d) Newton
11. A plane glass slab is kept over coloured letters the letter which appears least raised is.
 (a) Green (b) Violet (c) Red (d) Blue
12. The lowest temperature is recorded by
 (a) Alcohol Thermometer (b) Maximum Reading Thermometer
 (c) Mercurial Thermometer (d) Minimum Reading Thermometer
13. There are only two metals that are non-silver in colour they are
 (a) Copper and Gold (b) Nickel and Zinc
 (c) Sodium and Magnesium (d) Palladium and Platinum
14. Where is located the Bangabandhu stadium
 (a) Lahore (b) Kolkata (c) Dhaka (d) Islamabad
15. The last dynasty of the Delhi Sultanate was the.
 (a) Khilji Dynasty (b) Slave Dynasty (c) Lodi Dynasty (d) Sayed Dynasty
16. Jim Corbet National Park, India's first national park was established in 1936 and famous for tiger. This is located at
 (a) Bhratpur (Rajasthan) (b) Kulu Valley (HP) (c) Periyar (Kerala) (d) Nainital (UK)
17. Which is the final appellate court of justice?
 (a) Civil Court (b) High Court (c) Supreme Court (d) District Court
18. 'ICMP' is used for
 (a) Forwarding (b) Error Reporting (c) Addressing (d) Multicasting
19. Respiration is controlled by ___ part of brain
 (a) Olfactory Lobes (b) Hypothalamus
 (c) Medulla Oblangata (d) Cerebellum

20. In marine whales, the limbs are modified as
 (a) Flappers (b) Flippers (c) Slippers (d) Grippers
21. Which vitamin is also known as Anti-infective ?
 (a) B₁₂ (b) C (c) D (d) A
22. The system in which the few govern many is known as
 (a) Oligarchy (b) Autocracy (c) Plutocracy (d) Monarchy
23. The resistance of an ideal voltmeter is
 (a) Zero (b) Infinite (c) High (d) Low
24. PM Narendra Modi lunches 'Bhim Pay' policy means
 (a) Bharat Interface for Money (b) Bacchat Interfy for Money
 (c) Bank Interfy for Money (d) None
25. Who is the CM of Auranchal Pradesh?
 (a) Akhilesh Yadav (b) Sashikala (c) Nabar Tuki (d) Pema Khandu

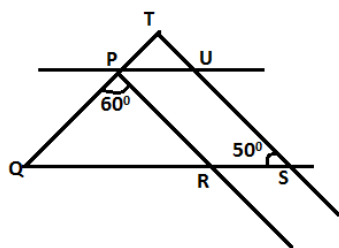
ENGLISH BUZZ

Directions (26 - 35): Find out which part of a sentence has an error and blacken the oval () corresponding to the appropriate letter (A, B, C). If a sentence is free from error, blacken the oval corresponding to (D) in the Answer Sheet.

26. More than one girl of this batch (a) / have taken the interview for one (b) / of the most coveted and prestigious government jobs. (c) / No error (d).
27. Most of the fund allocated for the empowerment of women (a) /and to make them self-dependent (b) / have been misused by the concerned department. (c)/ No error (d).
28. I have bought (a) / four dozens of bananas and hundreds of apples (b) / for the children of the orphanage. (c) /No error (d).
29. It is very easy to clear this exam, (a) / so I believe that either of the candidates can do it (b) /without burning the midnight oil. (c) / No error (d).
30. I am enough fortunate to (a) / get such loving parents who support me (b) / at every crucial and precarious phase of my life. (c) / No error (d).
31. I want to know the names of all the boys who have (a) / made her to cry, (b) / in spite of the fact that she always helps each and every student. (c)/No error (d).
32. Earlier man lived in caves and ate the flesh of animals (a) / for which they had to (b) / hunt from morning till evening. (c) / Noerror (d).
33. He would have not died, (a) / if the medical help came on time (b) / and provided all necessary medicines. (c) / No error (d).
34. Your dog differs with chihuahua (a) / not only in colour but also (b) / in looks. (c) / No error (d).
35. Will you let me know (a) / how long you will take to reach (b) / to my house tomorrow? (c) / No error (d).

MASTERING MATHEMATICS

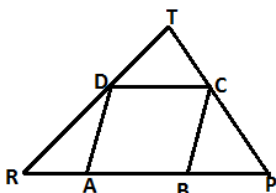
36.



In the given figure, $PR \parallel TS$ and $PU \parallel RS$ find $\angle TPU$

- (a) 60° (b) 70° (c) 80° (d) 100°

37.


 In the given figure, ABCD is a rhombus and $AR = AB = BP$ then find $\angle RTP$

- (a) 60° (b) 90° (c) 120° (d) 75°
38. The vertices of a triangle are (3, -5) and (-7, 4). If its centroid is (2, -12) find the third vertex?
 (a) (10, -35) (b) (-2, 10) (c) (10, 35) (d) (-3, 10)
39. Two poles of equal height are standing opposite to each other on either side of road which is 100m wide. From a point between them on road, angle of elevation of their tops are 30° and 60° . The height of each pole is?
 (a) $25\sqrt{3}$ (b) $20\sqrt{3}$ (c) $28\sqrt{3}$ (d) $30\sqrt{3}$
40. $2 \cos x - \cos 3x - \cos 5x = ?$
 (a) $16 \cos^3 x \sin^2 x$ (b) $\sin^3 x \cos^2 x$ (c) $4 \cos^3 x \sin^2 x$ (d) $4 \sin^3 x \cos^2 x$

<p>Total Marks : _____</p> <p>Your Mark : _____</p> <p>Toppers Mark : _____</p>	<p><u>SCORE CARD</u></p> <p>35-40 : Outstanding <input type="checkbox"/> A</p> <p>30-34: Very Good <input type="checkbox"/> B</p> <p>25-29: Good <input type="checkbox"/> C</p> <p>Less than 25: Average <input type="checkbox"/> D</p>
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ANSWER KEYS

1. (b) 2. (a) 3. (b) 4. (d) 5. (b) 6. (a) 7. (c) 8. (a) 9. (c) 10. (a)
 11. (b) 12. (a) 13. (a) 14. (c) 15. (c) 16. (d) 17. (c) 18. (b) 19. (c) 20. (b)
 21. (d) 22. (a) 23. (b) 24. (a) 25. (d) 26. (b) 27. (c) 28. (b) 29. (b) 30. (a)
 31. (b) 32. (c) 33. (a) 34. (a) 35. (c) 36. (b) 37. (b) 38. (a) 39. (a) 40. (a)

EXPLANATIONS

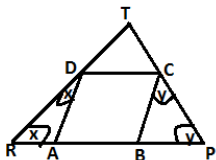
26. (b); 'has' in place of 'have'
 27. (c); 'has' in place of 'have'
 28. (b); 'dozen' in place of 'dozens'
 29. (b); 'anyone' in place of 'either'
 30. (a); Put 'enough' after 'fortunate'
 31. (b); Remove 'to'
 32. (c); 'to' in place of 'till'
 33. (a); Put 'not' before 'have'
 34. (a); Change 'with' into 'from'
 35. (c); Remove 'to'

36.

$$PR \parallel TS, \angle PRQ = \angle USR = 50^\circ \text{ In } \Delta PQR, \angle PQR = 180^\circ - (50^\circ + 60^\circ) = 70^\circ$$

$$\angle TPU = \angle PQR = 70^\circ (PU \parallel RS \parallel QS)$$

37.



Let

$$\angle ARD = x \text{ and } \angle BPC = y \angle ARD = \angle RDA \text{ (AR = AD)}$$

$$\angle DAB = \angle ARD + \angle RDA = x + x = 2x$$

$$\angle BPC = \angle BCP = y \angle ABC = y + y = 2y$$

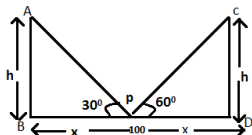
$$2x + 2y = 180^\circ \Rightarrow x + y = 90^\circ \text{ in } \Delta RTP, \angle RTP = 180^\circ - (x + y) = 180^\circ - 90^\circ = 90^\circ$$

38. Vertices of triangle are

(3,-5), (-7, 4), and (h,k) and centroid is (2,-12) (2,-12) =

$$\left(\frac{3-7+h}{3}, \frac{-5+4+k}{3} \right) \text{ On solving (h, k) = (10, -35)}$$

39.



$$BD = 100$$

$$AB = CD = h \tan 30^\circ =$$

$$\frac{h}{x} \Rightarrow x = \sqrt{3}h$$

$$\tan 60^\circ = \frac{h}{100-x} \Rightarrow \sqrt{3}(100-x) = h$$

$$\Rightarrow \sqrt{3}(100 - \sqrt{3}h) = h$$

$$\Rightarrow 100\sqrt{3} - 3h = h$$

$$\Rightarrow h = 25\sqrt{3}$$

40.

$$2 \cos x - \cos 3x - \cos 5x$$

$$= 2 \cos x - (\cos 3x + \cos 5x)$$

$$= 2 \cos x - \left[2 \cos \left(\frac{3x+5x}{2} \right) \cos \left(\frac{5x-3x}{2} \right) \right]$$

$$= 2 \cos x - 2 \cos 4x \cos x$$

$$= 2 \cos x (1 - \cos 4x)$$

$$= 2 \cos x (1 - 1 + 2 \sin^2 2x)$$

$$= 4 \cos x \times \sin^2 2x$$

$$= 4 \cos x (2 \sin x \cos x)^2 = 16 \cos^3 x \sin^2 x$$

“IN LIFE NOBODY AND NOTHING WILL HELP YOU UNTIL YOU START HELPING YOURSELF.”