MODEL TEST PAPER

GLA University, Mathura

(BCA)

Q.1. Highest Dam in India is located in which State?
- (a) Punjab ☐
- (b) Orissa ☐
- (c) Rajasthan ☐
- (d) Meghalaya ☐

Q.2. Who is the first woman to climb Mount Everest?
- (a) Shanno Devi ☐
- (b) Arti Saha ☐
- (c) Bachendri Pal ☐
- (d) Junk Tabei ☐

Q.3. Where is Akbar's Tomb located?
- (a) Delhi ☐
- (b) Agra ☐
- (c) Fatehpur Sikri ☐
- (d) Allahabad ☐

Q.4. Who was the first woman Governor in India?
- (a) Vijayalakshmi Pandit ☐
- (b) Sarojini Naidu ☐
- (c) Sucheta Kriplani ☐
- (d) Rajkumari Amrit Kaur ☐

Q.5. Which of the following is not a symbol of peace?
- (a) Pigeon ☐
- (b) Dove ☐
- (c) White flag ☐
- (d) Olive Branch ☐

Q.6. Which Sikh Guru was executed by Aurangzeb?
- (a) Guru Angad ☐
- (b) Guru Ram Das ☐
- (c) Guru Teg Bahadur ☐
- (d) Guru Gobind Singh ☐

Q.7. What is the full form of MNP?
- (a) Minimum Number Protocol ☐
- (b) Mobile Number Portability ☐
- (c) Mobile Number Protocol ☐
- (d) Minimum Nomination Possibility ☐

Q.8. Who served for the longest duration as President of India?
- (a) S. Radhakrishnan ☐
- (b) Rajendra Prasad ☐
- (c) V. V. Giri ☐
- (d) Zakir Husain ☐

Q.9. Which planet is farthest from sun?
- (a) Pluto ☐
- (b) Mercury ☐
- (c) Mars ☐
- (d) Uranus ☐

Q.10. Where is the Ankor Vat temple situated?
- (a) Iran ☐
- (b) Cambodia ☐
- (c) Malaysia ☐
- (d) Thailand ☐

Q.11. Kilogram is related to Quintal in the same way As Paisa related to _____
- (a) rupee ☐
- (b) coin ☐
- (c) wealth ☐
- (d) money ☐

Q.12. Dancer is related to Stage in the same way as Minister is related to _____
- (a) Pulpit ☐
- (b) Assembly ☐
- (c) Parliament ☐
- (d) State ☐

Q.13. Life is related to Autobiography in the same way as Witness is elated to _____
- (a) Papers ☐
- (b) Truth ☐
- (c) Documents ☐
- (d) Acceptance ☐

Q.14. Which of the following is the same as Dozen, Score, Decade?
- (a) Century ☐
- (b) Number ☐
- (c) Measurement ☐
- (d) Counting ☐

Q.15. In each of the following questions four words are given, out of which one is different. Choose out the odd one.
- (a) Kiwi ☐
- (b) Eagle ☐
- (c) Emu ☐
- (d) Penguin ☐

Q.16. Choose the odd Numeral pair in the given alternative ☐
- (a) 95 - 82 ☐
- (b) 69 - 56 ☐
- (c) 55 - 42 ☐
- (d) 48 - 34

Q.17. In each of the following questions four words are given, out of which one is different. Choose out the odd one.
(a) Arrow ☐
(b) Axe ☐
(c) Knife ☐
(d) Dagger ☐

Q.18. In each of the following questions four words are given, out of which one is different. Choose out the odd one.
(a) House ☐
(b) Cottage ☐
(c) School ☐
(d) Palace ☐

Q.19. A camera always has
(a) lens ☐
(b) reels ☐
(c) flash ☐
(d) photograph ☐

Q.20. An oasis always has
(a) travellers ☐
(b) water ☐
(c) sand ☐
(d) camels ☐

Q.21. Choose the appropriate ***Antonym*** of **'Dull'**
(a) pale ☐
(b) wise ☐
(c) shining ☐
(d) colourful ☐

Q.22. Choose the appropriate ***Antonym*** of **'Alleviation'**
(a) lessening ☐
(b) magnification ☐
(c) intensify ☐
(d) aggravation ☐

Q.23. Choose the appropriate ***Synonym*** of **'CANDOR'**
(a) sociability ☐
(b) outspokenness ☐
(c) grief ☐
(d) light ☐

Q.24. Choose the appropriate ***Synonym*** of **'DEARTH'** ☐
(a) scarcity ☐
(b) width ☐
(c) affection ☐
(d) wealth

Q.25. Choose the letter of the **correctly spelt word**.
(a) marrygible ☐
(b) marriageable ☐
(c) marriagable ☐
(d) marriageble ☐

Q.26. Choose the letter of the **correctly spelt word**.
(a) resonens ☐
(b) rasonance ☐
(c) resonence ☐
(d) resonance ☐

Q.27. Choose the most suitable **One Word-** One who totally abstains from alcoholic drinks.
(a) inebriate ☐
(b) pedant ☐
(c) puritan ☐
(d) teetotaller ☐

Q.28. Choose the most suitable **One Word-** Child whose parents are not married.
(a) bastard ☐
(b) foster-child ☐
(c) posthumous-child ☐
(d) fondling ☐

Q.29. You should generally pass ..... the faults of your friends.
(a) by ☐
(b) through ☐
(c) over ☐
(d) for ☐

Q.30. I can testify …… this man's veracity and good character.
(a) for ☐
(b) about ☐
(c) against ☐
(d) to ☐

Q.31. The number of real solutions of the equation $e^x = x$ is
(a) 1 ☐
(b) 2 ☐
(c) 0 ☐
(d) None of these ☐

Q.32. Given two finite sets A and B such that n(A)= 3, n(B)= 7 then total number of relations from A to B is ☐
(a) 8

(b) 128 ☐
(c) 1024 ☐
(d) None of these ☐

Q.33. Two cards are drawn at random from a pack of 52 cards. The probability of getting at least a spade and an ace is
(a) 1/34 ☐
(b) 8/221 ☐
(c) 1/26 ☐
(d) 2/51 ☐

Q.34. 4 five rupee coins, 3 two rupees coins and 2 one rupee coins are stacked together in a column at random. The probability that the coins of the same denomination are consecutive is
(a) 13/ 9! ☐
(b) 1 / 210 ☐
(c) 1/ 35 ☐
(d) None of these ☐

Q.35. The value of cos 15° is equal to
(a) $[(\sqrt{3}+1)/2\sqrt{2}]$ ☐
(b) $[(\sqrt{3}-1)/2\sqrt{2}]$ ☐
(c) $2-\sqrt{3}$ ☐
(d) $2+\sqrt{3}$ ☐

Q.36. $\sin 75° + \cos 75°$ is equal to
(a) $(\sqrt{3})/2$ ☐
(b) $\sqrt{(3/2)}$ ☐
(c) $(\sqrt{5}-1)/4$ ☐
(d) 1/2 ☐

Q.37. A general equation of plane has arbitrary constants
(a) one ☐
(b) two ☐
(c) three ☐
(d) four ☐

Q.38. Space is divided by cartesian coordinate planes into
(a) Two parts ☐
(b) Four parts ☐
(c) Six parts ☐
(d) Eight parts ☐

Q.39. The maximum value of $x\ y$ subject to $x+y=8$ is ☐
(a) 8 ☐
(b) 16 ☐
(c) 20 ☐
(d) 24

Q.40. The function $f(x) = \cot^{-1}x + x$ increases in the interval
(a) $(1, \infty)$ ☐
(b) $(-1, \infty)$ ☐
(c) $(-\infty, \infty)$ ☐
(d) $(0, \infty)$ ☐

Q.41. $\lim_{x\to\infty}\sqrt{[(x+\sin x)/(x-\cos x)]}$ is equal to
(a) 0 ☐
(b) 1 ☐
(c) –1 ☐
(d) None of these ☐

Q.42. a and b are two unit vectors and θ is the angle between them then $a+b$ is a unit vector if
(a) $\theta = \pi/3$ ☐
(b) $\theta = \pi/4$ ☐
(c) $\theta = \pi/2$ ☐
(d) $\theta = 2\pi/3$ ☐

Q.43. The No. of vectors of unit length perpendicular to the vectors a and b is
(a) 1 ☐
(b) 2 ☐
(c) 3 ☐
(d) Infinite ☐

Q.44. The sum of the forces is 18 and their resultant is 12 which is perpendicular to the smaller force. Then the smaller force is
(a) 3 ☐
(b) 5 ☐
(c) 7 ☐
(d) 15 ☐

Q.45. A horizontal rod AB is suspended at its ends by two vertical strings. The rod is of length 0.6m. and weight 3 units. Its centre of gravity G is at a distance 0.4 m from A. Then the tension of the string at A is
(a) 0.2 unit ☐
(b) 0.8 unit ☐
(c) 1.0 unit ☐
(d) 1.4 unit ☐

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