



SIR PADAMPAT SINGHANIA UNIVERSITY

UDAIPUR

Sample Question Paper for Master of Computer Applications SPSAT'18

INSTRUCTIONS

The test is 60 minutes long and consists of 40 multiple choice questions (MCQ) adding up to 40 marks.

The distribution of questions is as follows:

Aptitude - 10; Reasoning - 10; General Knowledge – 10; and English - 10

APTITUDE

1. Ankit buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:
(a) $4(4/7)\%$ (b) $5(5/7)\%$ (c) 10% (d) 12%
2. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
(a) 15 (b) 16 (c) 18 (d) 25
3. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in:
(a) $9(1/5)$ days (b) $9(2/5)$ days (c) $9(3/5)$ days (d) 10 days
4. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :
(a) $1/4$ (b) $1/10$ (c) $7/15$ (d) $8/15$
5. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
(a) 3.6 (b) 7.2 (c) 8.4 (d) 10
6. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:
(a) 50 Km (b) 56 Km (c) 70 Km (d) 80 Km
7. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?
(a) 9 (b) 10 (c) 12 (d) 20

8. The ratio between the length and the breadth of a rectangular park is 3 : 2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (in sq. m) is:
- (a) 15360 (b) 153600 (c) 30720 (d) 307200
9. An error 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is:
- (a) 2% (b) 2.02% (c) 4% (d) 4.04
10. The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is:
- (a) 40 % (b) 42% (c) 44% (d) 46%

REASONING

11. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?
- (a) Grandfather (b) Grandmother (c) Daughter (d) Granddaughter
12. Find following statements:
- I. Tanya is older than Eric
II. Cliff is older than Tanya
III. Eric is older than Cliff
- If the first two statements are true, the third statement is
- (a) True (b) False (c) Undefined (d) None
13. Today is Varun's birthday. One year, from today he will be twice as old as he was 12 years ago. How old is Varun today?
- (a) 20 years (b) 22 years (c) 25 years (d) 27 years
14. If in the word 'DISTURBANCE', the first letter is interchanged with the last letter, the second letter is interchanged with the tenth letter and so on, which letter would come after the letter T in the newly formed word ?
- (a) S (b) I (c) T (d) N
15. From the word 'LAPAROSCOPY' how many independent meaningful words can be made without changing the order of the letters and using each letter only once?
- (a) 3 (b) 4 (c) 1 (d) 2
16. Four of the following five are alike in a certain way and so form a group. which one does not belong to that group?
- (a) Tooth (b) Chin (c) Nose (d) Eye
17. Find the odd one out
- (a) Flower : Petal (b) Circle : Arc (c) Cover : Page (d) Chair : Leg

18. In a certain code language,
- (a) 'pit na som' means 'bring me water' (b) 'na jo tod' means 'water is life'
(c) 'tub od pit' means 'give me toy' (d) 'jo lin kot' means 'life and death'
- Which of the following represents 'is' in that language?
- (a) Jo (b) Na (c) Tod (d) Lin
19. Arrange the words given below in a meaningful sequence. 1. Heel 2. Shoulder 3. Skull 4. Neck 5. Knee 6. Chest 7. Thigh 8. Stomach 9. Face 10. Hand
- (a) 3, 4, 7, 9, 2, 5, 8, 10, 6, 1 (b) 3, 9, 4, 2, 10, 6, 8, 7, 5, 1
(c) 2, 4, 7, 10, 1, 5, 8, 9, 6, 3 (d) 4, 7, 10, 1, 9, 6, 2, 5, 8, 3
20. One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?
- (a) East (b) West (c) South (d) Data is insufficient

GENERAL KNOWLEDGE

21. Grand Central Terminal, Park Avenue, New York is the world's
- (a) Largest railway station (b) Highest railway station
(c) Longest railway station (d) None of the above
22. Entomology is the science that studies
- (a) Behavior of human beings (b) Insects
(c) The origin and history of technical and scientific terms
(d) The formation of rocks
23. For which of the following disciplines is Nobel Prize awarded?
- (a) Physics and Chemistry (b) Physiology or Medicine
(c) Literature, Peace and Economics (d) All of the above
24. Tripitakas are sacred books of
- (a) Buddhists (b) Hindus (c) Jains (d) None of the above
25. The trident-shaped symbol of Buddhism does not represent
- (a) Nirvana (b) Sangha (c) Buddha (d) Dhamma
26. Rabindranath Tagore's 'Jana Gana Mana' has been adopted as India's National Anthem. How many stanzas of the said song were adopted?
- (a) Only the first stanza (b) The whole song
(c) Third & Fourth stanza (d) First & Second stanza
27. 'Dandia' is a popular dance of
- (a) Punjab (b) Gujarat (c) Tamil Nadu (d) Maharashtra

28. The words 'Satyameva Jayate' inscribed below the base plate of the emblem of India are taken from
- (a) Rigveda (b) Satpath Brahmana
(c) Mundak Upanishad (d) Ramayana
29. Mohiniattam dance from developed originally in which state?
- (a) Tamil Nadu (b) Orissa (c) Kerala (d) Karnataka
30. Which of the following Akademis is responsible for fostering the development of dance, drama and music in India?
- (a) National School of Drama (b) Sangeet Akademi
(c) Sahitya Akademi (d) Lalit Kala Akademi

ENGLISH

31. Dinesh asked, "Are you going to the party tomorrow, Rani?" (Change into Indirect Speech)
- (a) Dinesh asked whether Rani was going to the party the next day
(b) Dinesh asked Rani whether you are going to the party the next day
(c) Dinesh asked Rani whether she was going to the party the next day
(d) Dinesh asked Rani are you going to the party tomorrow
32. The accounted took the money from the customer. (Change into passive voice)
- (a) The money is taken from the customer by the accountant
(b) The money was taken from the customer by the accountant
(c) The customer was taken the money by the accountant
(d) The money had been taken from the customer by the accountant
33. The boy has rung the bell. (Change into passive voice)
- (a) The bell has been rung by the boy (b) The bell was being rung by the boy
(c) The bell was rung by the boy (d) The bell has been being rung by the boy
34. Choose the correct synonym of the word - Fostering
- (a) Safeguarding (b) Neglecting (c) Ignoring (d) Nurturing
35. Use of force or threats to get someone to agree to something (Give one word for the given group of words)
- (a) Coercion (b) Conviction (c) Confession (d) Cajolement
36. Fill in the blank with the appropriate word: Man who has committed such an _____ crime must get the most severe punishment.
- (a) Uncharitable (b) Injurious (c) Unworthy (d) Abominable
37. Select one word for a "Person who does not believe in the existence of God"
- (a) Theist (b) Heretic (c) Atheist (d) Fanatic

38. Choose the correct antonym of - Terrible

- (a) Soothing (b) Scaring (c) Delectable (d) Horrible

39. Find the correctly spelt word

- (a) Affedevit (b) Afidevit (c) Affidevit (d) Affidavit

40. Fill in the blanks with correct Articles: New York is _____ large city

- (a) a (b) an (c) The (d) No article