



SIR PADAMPAT SINGHANIA UNIVERSITY
UDAIPUR
Sample Question Paper for
Bachelor of Computer Application
(Mobile Applications & Information Security)
SPSAT'18

INSTRUCTIONS

The test is 60 minutes long & 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 & English - 10

APTITUDE

1. Nine persons went to a hotel for taking their meals. Eight of them spent Rs.12 each on their meals & the ninth spent Rs.8 more than the average expenditure of all the nine. What was the total money spent by them.
(a) Rs. 115 (b) Rs. 116 (c) Rs. 117 (d) Rs. 118
2. The average of runs of a cricket player of 10 innings was 32. How many runs must be made in his next innings so as to increase his average of runs by 4?
(a) 72 (b) 74 (c) 70 (d) 76
3. Distance between two stations A & B is 778km. A train covers the journey from A to B at 84km per hour & returns back to A with a uniform speed of 56km per hour. Find the average speed of train during the whole journey.
(a) 60 km/hr (b) 30.5 km/hr (c) 57 km/hr (d) 67.2 km/hr
4. The average score of a cricketer for ten matches is 38.9 runs. If the average for the first six matches is 42, then find the average for the last four matches.
(a) 33.25 (b) 33.5 (c) 34.25 (d) 35
5. David obtained 76, 65, 82, 67 & 85 marks (out of 100) in English, mathematics, physics, chemistry & biology. What are his average marks?
(a) 65 (b) 69 (c) 75 (d) None of the above
6. A milkman sells cow milk at the rate of Rs. 55 litre including a profit 12 per cent. He also sells buffalo milk at the rate of Rs. 36 per litre including a profit of 20%. How much profit will he earn in five days if he sells 8 litres of cow milk & 10 litres of buffalo milk per day?
(a) Rs. 632 (b) Rs. 624 (c) Rs. 646 (d) None of the above

7. A man had 1000 hens at the beginning of year 2001 & the number of hens each year increases by 10% by giving birth. At the end of each year we double the no. of hens by purchasing the same no. of hens as there is the no. of hens with us at the time. What is the no. of hens at the beginning of 2004?
- (a) 10600 (b) 10648 (c) 8848 (d) 8226
8. The actual area of a rectangle is 60 cm², but while measuring its length a student decreases it by 20% & the breadth increases by 25%. The percentage error in area, calculated by the student is :
- (a) 5% (b) 15% (c) 20% (d) No change
9. 220% of a number X is 44. What is 44% of X.
- (a) 8.8 (b) 8.9 (c) 6.6 (d) 7.7
10. A & B are two alloys in which ratios of gold & copper are 5:3 & 5:11 respectively. If these equally amount of two alloys are melted & made alloy C. What will be the ratio of gold & copper in alloy C?
- (a) 25 :23 (b) 33 :25 (c) 15 :17 (d) 17 :15

REASONING

11. 8, 22, 64, 190, 568, ?
- (a) 1702 (b) 7767 (c) 6992 (d) 6913
12. 2816, ?, 176, 44, 11.
- (a) 704 (b) 1408 (c) 352 (d) 2640
13. Which of the following will come in place of the question mark (?) in the following sequence?
PRODUCTIVITY, RODUCTIVIT, ODUCTIVI, ?
- (a) DUCTIV (b) DUCTLY (c) UCTIV (d) DUCTI
14. 6, 11, 31, 121, 601, ?
- (a) 3600 (b) 3621 (c) 3601 (d) 3611
15. Find the odd number / letters / word from the given alternatives.
- (a) Brick (b) Cement (c) Sand (d) Wall
16. Four groups of letters are given, Three of them are alike in a certain way while one is different. Choose the one which is different.
- (a) XT (b) RL (c) JF (d) PL
17. Suresh's sister is the wife of Ram. Ram is Rani's brother. Ram's father is Madhur. Sheetal is Ram's grandmother. Rema is Sheetal's daughter-in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh ?
- (a) Brother-in-law (b) Son (c) Brother (d) Nephew

18. P's father is Q's son. M is the paternal uncle of P & N is the brother of Q. How is N related to M?
- (a) Brother (b) Cousin (c) Nephew (d) Data inadequate
19. 9 : 25 :: 49 : ?
- (a) 63 (b) 81 (c) 36 (d) 100
20. DGJ : KMO :: MPS : ?
- (a) TVX (b) WUS (c) XTV (d) XVT

GENERAL KNOWLEDGE

21. Regional rural banks
- I. Have limited area of operation
 II. Have free access to liberal refinance facilities from NABARD
 III. Are required to lend only to weaker sections
- (a) I&III (b) II& III (c) I, II&III (d) I& II
22. The current price index (base 1960) is nearly 330. This means that
- (a) All items cost 3-3 times more than what they did in 1960
 (b) The prices of certain selected items have gone up to 3-3 times
 (c) Weighted means of prices of certain item has increased 3-3 times
 (d) Gold price has gone up 3-3 times
23. National Agricultural Insurance Scheme replacing Comprehensive Crop Insurance Scheme was introduced in the year
- (a) 1997 (b) 1998 (c) 1999 (d) 2000
24. Fiscal deficit in the Union Budget means
- (a) The difference between current expenditure & current revenue
 (b) Net increase in Union Governments borrowings from the Reserve Bank of India
 (c) The sum of budgetary deficit & net increase in internal & external borrowings
 (d) The sum of monetized deficit & budgetary deficit
25. Tungbhadra Multipurpose Project is a joint undertaking of:
- (a) Andra Pradesh & Tamil Nadu (b) Tamil Nadu & Karnataka
 (c) Kerala & Karnataka (d) Andhra Pradesh & Karnataka
26. A group of populations of different species living in the same habitat & interacting with one another is called:
- (a) Ecological Community (b) Zoological Community
 (c) Biological Community (d) None of the above

27. The largest Indian mammal is:
 (a) Tiger (b) Hippopotamus (c) The Lion (d) Elephant
28. At present biosphere reserves are included in world Heritage:
 (a) Nilgiri & Nanda devi (b) Nokrek, Gulf of Mannar & Sunderban
 (c) Simlipol & Pachmarhi (d) All of the above
29. Which cricketer died on the field in Bangladesh while playing for Abahani Club?
 (a) Subhash Gupte (b) M.L.Jaisimha (c) Lala Amarnath (d) Raman Lamba
30. What is the name of the person that controls a football match?
 (a) A referee (b) An umpire (c) A spectator (d) A goalkeeper

ENGLISH

31. Give the Antonym of - Commissioned
 (a) Started (b) Closed (c) Finished (d) Terminated
32. Give the Antonym of - Amicable
 (a) Hostile (b) Friendly (c) Haughty (d) Unpleasant
33. Complete the Sentence; We ____ start now to work for our examination.
 (a) had better (b) better (c) has better (d) are better
34. Complete the Sentence; His boss ____ an explanation of his conduct with his colleagues.
 (a) called up (b) called upon (c) called for (d) called off
35. Complete the Sentence; Most of the committee members _____ in favour of the _____ of a new dam in that village.
 (a) was, building (b) are, proposing (c) were, construction (d) not, assembly
36. He said, "Why didn't you send your application to me." (Change into Indirect Speech)
 (a) He enquired why I had not sent my application to him.
 (b) He enquired why I did not send my application to him.
 (c) He enquired why had I not sent my application to him.
 (d) He enquired why did I not send my application to him.
37. Suresh asked, "How long will it take to travel from Germany to South Africa?" (Change into Indirect Speech)
 (a) Suresh asked how long it will take to travel from Germany to South Africa.
 (b) Suresh asked how long would it take to travel from Germany to South Africa.
 (c) Suresh asked how long it would take to travel from Germany to South Africa.
 (d) Suresh was asking how long must it take to travel from Germany to South Africa.
38. The peon refused him admittance. (Change the voice)

- (a) He was refused admittance by the peon
- (b) Admittance is refused to him by the peon
- (c) Admittance was refused by the peon to him
- (d) Admittance is refused him by the peon

39. They made him a king. (Change the voice)

- (a) A king has been made by him
- (b) He was made a king by them
- (c) They have been made king by him
- (d) He has been made a king by them

40. Animal that feeds on plants (Give one word for the given group of words)

- (a) Carnivorous (b) Herbivorous (c) Insectivorous (d) Graminivorous