



# **SAMPLE PAPER SBP APPLICATION DEVELOPER**

## ENGLISH

Complete the sentences by choosing the most appropriate option, from the given choices (A to D) below each.

1. Ahmad always seeks \_\_\_\_\_ wealth.

- A. from
- B. with
- C. to
- D. more

Five options (A to E) follow a related pair of words given in capitals. Select the option that best expresses a relationship similar to that expressed in the original pair in capitals.

2. PAGE: BOOK::

- A. sailors: crew
- B. petal: flower
- C. leaf: stalk
- D. singers: chorus

Choose the option or phrase that is most nearly opposite in meaning to the word in capital letters.

3. PARTICULAR:

- A. general
- B. widespread
- C. diffused
- D. common

Read the passage to answer question 4-9

No actual black hole has yet been located or studied, but the concept has provided endless imaginative fodder for science fiction writers and endless theoretical fodder for physicists and astrophysicists.

Black holes are one of the more exotic theoretical manifestations of general relativity. The standard model for the formation of a black hole involves the collapse of a large star. For extremely massive stars that are four to five times the mass of our sun, the exclusion principle—the resistance between the molecular particles within the star as they are compressed—will not be strong enough to offset the gravity generated by the star's own mass. The star's increasing density will overwhelm the exclusion principle. What follows is runaway gravitational collapse. With no internal force to stop it, the star will simply continue to collapse in on itself, until it reaches a point of infinite density and zero volume, a phenomenon known as a singularity.

The star now disappears from the perceivable universe, like a cartoon character who jumps into a hole and pulls the hole in after him. What this

process leaves behind is a different kind of hole—a profound disturbance in spacetime, a region where gravity is so intense that nothing, not even light, can escape from it. Any object falling within the boundary of a black hole will be sucked in and will disappear from our universe forever.

What would happen to an object, such as an astronaut, as it vanished into the black hole? Physicists have been amusing themselves with this question for years. Most believe that the astronaut would be destroyed by the intense gravitational forces within the black hole, or would explode in a flash of gamma rays as he or she approached the singularity at the hole's core. Theoretically, an astronaut who managed to survive the passage would experience some very strange things, including acute time distortion, which would enable him or her to know, in a few brief seconds, the entire future of the universe in all its detail.

4. The word "fodder" is closest in meaning to
  - A. material
  - B. stories
  - C. support
  - D. problems
  
5. The opposing force between the molecular particles inside a star is called
  - A. general relativity
  - B. the exclusion principle
  - C. infinite density
  - D. a singularity
  
6. The word "offset" could best be replaced by
  - A. carry
  - B. arrange
  - C. overflow
  - D. counteract
  
7. It can be concluded from paragraph 3 that light
  - A. destroys a black hole
  - B. can barely reveal a black hole
  - C. does not exist near a black hole
  - D. originates in spacetime
  
8. Which of the following is NOT mentioned as the possible fate of an astronaut who falls into a black hole?
  - A. Experience of amusement
  - B. Death by gamma rays
  - C. Knowledge of the universe
  - D. Destruction by gravity



**9. It can be inferred from the passage that black holes are:**

- A. soon to be located and studied**
- B. a scientific impossibility**
- C. the key to the entire future of the universe**
- D. a source of inspiration and entertainment**

## ANALYTICAL REASONING

### Questions 10-13

Four men (A, B, C, D) and four women (W, X, Y, Z) are going in two chairlifts. Each lift holds exactly four people, and the groups of people in the two lifts follow these conditions:

There are exactly two men and two women in each lift. Either A or B, but not both, must be in the first lift.

If W is in the first lift, then C must also be in the first lift. If Y is in the first lift, then B cannot be in the first lift.

10. If W is in the first lift, which of the following must be in the second lift?

- A. C
- B. X
- C. Y
- D. D

11. If B is in the first lift, which of the following can be the other three people in the first lift?

- A. A, X, Z
- B. C, D, W
- C. C, X, Y
- D. C, W, X

12. If B, D and X are in the first lift, which of the following CANNOT be in the second lift?

- A. Z
- B. A
- C. C
- D. W

13. If X and Z are in the second lift, which of the following men must be in the first lift?

- A. B and C
- B. A and D
- C. B and D
- D. A and B

14. Complete the following series:

12, 15, 45, 48, 144, \_\_\_\_\_.

- A. 107, 407
- B. 117, 417
- C. 147, 441
- D. 137, 431

**15. October, June, December, August, April**

**If the above words were arranged in order, with what letter would the middle begin?**

- A. A
- B. O
- C. D
- D. J

## SUBJECT

16. What is the default port of http?

- A. 8080
- B. 23
- C. 21
- D. 25
- E. 80

17. A static function:

- A. should be called, when an object is destroyed
- B. is closely connected to an individual object of a class
- C. can be called using the class name and function name
- D. is used, when a dummy object must be created

18. What does XSS stand for?

- A. XML Style Sheets
- B. Extensible Style Sheets
- C. CSS 3 is known as XSS
- D. Cross-Site Scripting
- E. Extensible Scripting Source

19. What does DISCO stand for in context of Web Services?

- A. Distributed Connected Objects
- B. Distributed Complex Objects
- C. Discovery
- D. Distinct Objects
- E. Distributed Isolated Controlled Objects

20. Identify the incorrect statement about "web farm"?

- A. Is a technique to balance load
- B. Web farm can have only one server
- C. Web farm have multiple servers over load balancer
- D. Web farm technique is used to host website / web applications

21. Which of the following is non-CTS data type in Asp.net?

- A. System.Int32
- B. System.Single
- C. System.Object
- D. System.String
- E. System.UInt16

22. How can you define a customized error message for all of your web pages in asp.net?

- A. Create an ApplicationError section in web.config file
- B. Create CustomError section in web.config file
- C. Create a CustomError event in global.asax

- D. **Create an ApplicationError event in global.asax**
  - E. **All of the above**
- 23. Which of the followings are the valid website types in asp.net?**
- A. **File**
  - B. **FTP**
  - C. **Local HTTP**
  - D. **Remote HTTP**
  - E. **All of the above**
- 24. AJAX Stands for:**
- A. **Asynchronous JavaScript And XML**
  - B. **Asynchronous Java and XML**
  - C. **Active JavaScript And XML**
  - D. **Active JSON and XML**
- 25. What should be the table width, so that the width of a table adjust to the current width of the browser window?**
- A. **640 pixels**
  - B. **100%**
  - C. **full-screen**
  - D. **1024 px**
- 26. Which of the following component of HTTP response contains metadata for the HTTP Response message as key-value pairs?**
- A. **Status/Response Code**
  - B. **HTTP Version**
  - C. **Response Header**
  - D. **Response Body**
- 27. XML tag which represents information related to a REST service's request.**
- A. **Result**
  - B. **Title**
  - C. **None of the mentioned**
  - D. **All of the mentioned**
- 28. Which of the following annotation of JAX RS API states the HTTP Response generated by web service?**
- A. **@DELETE**
  - B. **@HEAD**
  - C. **@Produces**
  - D. **@Consumes**



- 29. When you will face SQLCODE -811?**
- A. Multiple rows selected by Single SELECT**
  - B. Deadlock or timeout**
  - C. Authorization Failure**
  - D. Timestamp Mismatch**
- 30. PHP stands for -**
- A. Hypertext Preprocessor**
  - B. Pretext Hypertext Preprocessor**
  - C. Personal Home Processor**
  - D. None of the above**
- 31. Variable name in PHP starts with -**
- A. ! (Exclamation)**
  - B. \$ (Dollar)**
  - C. & (Ampersand)**
  - D. # (Hash)**
- 32. Which of the following is not a variable scope in PHP?**
- A. Extern**
  - B. Local**
  - C. Static**
  - D. Global**
- 33. Which of the following is used to display the output in PHP?**
- A. echo**
  - B. write**
  - C. print**
  - D. Both (a) and (c)**
- 34. Which of the followings are the features Of Drupal ?**
- A. Powerful templating system**
  - B. Real multi-site-feature**
  - C. Both A and B**
  - D. None of the above**

## ANSWER KEYS

Q #.	Right Choice
1	D
2	B
3	C
4	A
5	B
6	D
7	C
8	A
9	D
10	D
11	D
12	A
13	B
14	C
15	A
16	E
17	C
18	D
19	C
20	B
21	E
22	B
23	E
24	A
25	B
26	C
27	D
28	C
29	A
30	A
31	B
32	A
33	D
34	C