

SAMPLE PAPER
SUB ENGINEER (CIVIL)
(FEMALE) (BS-14)

ENGLISH

Choose the best option, from the given choices below each sentence.

1. The musical instrument _____ is six feet long.

- A) is called the bass
- B) it is called the bass
- C) called the bass
- D) calls the bass

Choose the best opposite of the following words.

2. TYPICAL:

- A) greedy
- B) strange
- C) brief
- D) fortunate

Choose the best same meaning of the following words.

3. BOLD:

- A) brave
- B) bright
- C) evil
- D) shy

Select the lettered pair that best expresses a relationship similar to that expressed in:

4. PHYSICS: SCIENCE::

- A) chemistry: laboratory
- B) astronomy: galaxy
- C) fashion: style
- D) lion: animal

Read the following passage to answer question (4)

Here's today's weather report. Temperatures will be in the mid sixties with breezes of ten to fifteen miles per hour. The sun will shine all day with no clouds expected. It's a great day to spend some time outdoors. The same great weather conditions will continue tomorrow and till the end of the week. Fog will roll in late Friday and heavy rainstorms are expected on Saturday.

5. What is the approximate temperature for today?

- A) About 15 degrees
- B) About 60 degrees
- C) About 65 degrees
- D) About 90 degrees

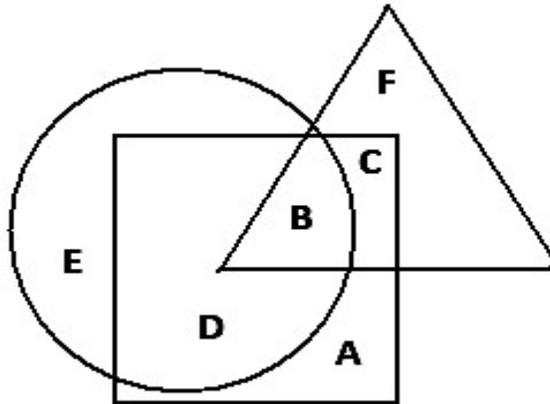
MATH

6. Which of these is NOT equal to $\frac{4}{9}$?
- A) $\frac{2}{3}$
 - B) $\frac{20}{45}$
 - C) $\frac{8}{18}$
 - D) $\frac{16}{36}$
7. A boy saves 18 Rupees in 8 weeks. He continues to save at the same rate. How many weeks will it take him to save 81 rupees?
- A) 13
 - B) 36
 - C) 40
 - D) 71
8. The radius of a circle is increased so that its circumference is increased by 5%. The area of the circle will increase by
- A) 10.25%
 - B) 10%
 - C) 5%
 - D) $\pi \times 25\%$

IQ

Question - 9

In the given diagram, three classes of population are represented by three figures. The triangle represents the school teachers, the square represents the married persons and the circle represents the persons living in joint families.



9. Married persons living in joint families but not working as school teachers are represented by:

- A) C
- B) F
- C) D
- D) A

10. Pick the odd one out:

- A) cub
- B) foal
- C) duckling
- D) cock

11. Complete the given series 6, 13, 28, ...:

- A) 56
- B) 57
- C) 58
- D) 59

GENERAL KNOWLEDGE

12. "Taj Mahal" a magnificent white marble mausoleum is situated at:

- A) Delhi
- B) Hyderabad
- C) Ahmadabad
- D) Agra

13. _____ is the essence of worship.

- A) prayer
- B) attire
- C) perfumery
- D) wealth

14. Which major global risk confronting Pakistan in last year was identified by the World Economic Forum (WEF) Global Risks Report?

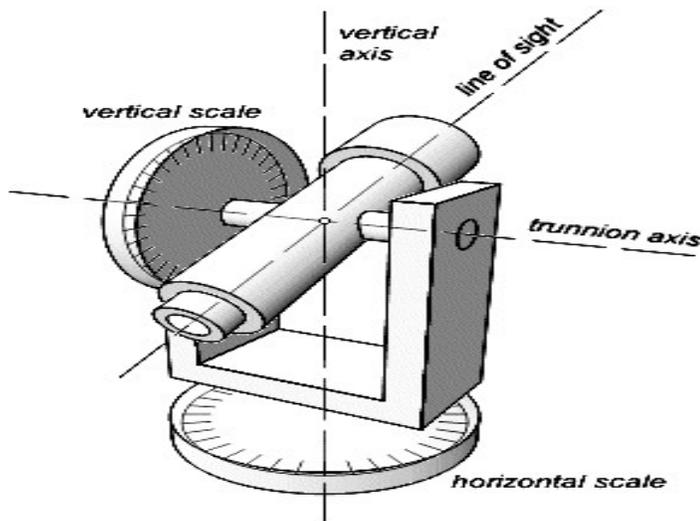
- A) Political instability
- B) Economic vulnerabilities
- C) Climate-related disasters
- D) All of the above

15. Place of worship of Sikhs is called:

- A) Church
- B) Mandir
- C) Gurdawara
- D) Masjid

SUBJECT

16. A piece of wood of sp gravity of 0.6 and 10 cm deep is floating in fresh water its immersed depth will be:
- A) 4cm
 - B) 6cm
 - C) 8cm
 - D) 10cm
17. The channel that gives maximum discharge for a given cross sectional area and bed slope is:
- A) Most economical section
 - B) Circular section
 - C) Rectangular section
 - D) Triangular section
18. _____ is the technique of estimating or determining the fair price or value of a property.
- A) Estimation
 - B) Valuation
 - C) Costing
 - D) Analysis
19. The below given instrument is a:



- A) Theodolite
- B) Sextant
- C) Clinometer
- D) Compass

20. Lampholes are also called as:

- A) Fresh air inlet
- B) Clean out
- C) Catch basin
- D) Outlet

21. Water hammer pressure in pressure pipes can be reduced by using:

- A) Blow off valves
- B) Non return valves
- C) Pressure relief valves
- D) Scour valves

22. Turbidity of water is the measure of resistance of water to the passage of _____ through it.

- A) Sound
- B) Light
- C) Micro organisms
- D) Smell

23. Which of the following soils has more plasticity index?

- A) Sand
- B) Silt
- C) Clay
- D) Gravel

24. Two important constituents in the composition of steel used for rail are:

- A) Carbon and silicon
- B) Manganese and phosphorous
- C) Carbon and manganese
- D) Carbon and sulphur

25. Strength of concrete increases with:

- A) Increase in water-cement ratio
- B) Increase in fineness of cement
- C) Decrease in curing time
- D) Decrease in size of aggregate

26. When a ship floats at its designed water line, the vertical distance from water line to the bottom of the ship is known as:

- A) Beam
- B) Depth
- C) Freeboard
- D) Draft

27. How many steps are, by direct method in which telescope is transmitted?

- A) Eight**
- B) Seven**
- C) Six**
- D) Five**

28. A column which fails by crushing of material:

- A) Long column**
- B) Medium column**
- C) Short column**
- D) Pier**

29. When a body is subjected to two equal and opposite pulls, as a result of which the body tends to extend its length, the stress and strain induced is called:

- A) Tensile stress, tensile strain**
- B) Compressive stress, compressive strain**
- C) Shear stress, shear strain**
- D) Tensile stress, compressive strain**

30. T-square/Parallel slide is used to draw:

- A. Inclined lines**
- B. Vertical lines**
- C. Horizontal lines**
- D. None of the above**

ANSWER KEY

Q #	ANSWER CHOICE
1	C
2	B
3	A
4	D
5	C
6	A
7	B
8	A
9	C
10	D
11	D
12	D
13	A
14	D
15	C
16	B
17	A
18	B
19	A
20	A
21	C
22	B
23	B
24	C
25	B
26	D
27	A
28	C
29	A
30	C