GHAZALI COLLEGE FOR BOYS AND GIRLS
KATLANG MARDAN
Pre-Medical

Total time: 60 Minutes | Total marks: 100 (50 ×2 = 100)

"Biology" Marks: 30

Q:1 Choose the correct option i.e A,B,C or D

1. Which component of cigarette cause blood cancer?
Ⓐ Tar Ⓑ Nicotine Ⓒ Benzene Ⓓ Formaldehyde

2. Ladyfinger excrete _____
Ⓐ latex Ⓑ Gums Ⓒ Resins Ⓓ Mucilage

3. Coordinating center for chemical coordination are
Ⓐ Neuron Ⓑ Endocrine gland Ⓒ Cerebrum Ⓓ Spinal cord

4. Brain and spinal cord is connected through
Ⓐ Pons Ⓑ Medulla oblongata Ⓒ Mid brain Ⓓ Thalamus

5. Weight of pituitary gland in adults is about
Ⓐ 0.5 gm Ⓑ 0.10 gm Ⓒ 0.15 gm Ⓓ 0.25 gm

6. Number of thoracic vertebra are _____ vertebra
Ⓐ 33 vertebra Ⓑ 7 vertebra Ⓒ 12 vertebra Ⓓ 10 vertebra

7. Theophrastus identified are _____ species of plants.
Ⓐ 300 Ⓑ 250 Ⓒ 350 Ⓓ 400

8. HIV transmitted through
Ⓐ Blood transfusion Ⓑ Infected needles Ⓒ Sexual contact Ⓓ All of these

9. Grossing over occars in _____ phase of meosis.
Ⓐ prophase Ⓑ Metaphase Ⓒ Anaphase Ⓓ Telophase

10. Enzyme may denature at temperature above
Ⓐ 15 °C Ⓑ 25 °C Ⓒ 35 °C Ⓓ 45 °C

11. plasmodium transmitted through
Ⓐ Female anopheles Ⓑ Culex Ⓒ Aides Ⓓ None of these

12. The science of fermentation is known as
Ⓐ Microbiology Ⓑ Zymology Ⓒ Biochemistry Ⓓ Enzymology

13. Antibiotic are given to control
Ⓐ Bacteria growth Ⓑ Virus growth Ⓒ Fungi growth Ⓓ None of these

14. One cardiac cycle complete in
Ⓐ 0.8 second Ⓑ 0.09 second Ⓒ 0.5 second Ⓓ 0.3 second

15. Blood plasma have about _____ water.
Ⓐ 50% Ⓑ 60% Ⓒ 70% Ⓓ 90

WE SERVE THE NATION WITH BEST EDUCATION
GHAZALI SCHOOL & COLLEGE KATLANG

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"Chemistry" Marks: 20

Q:2 Choose the correct option i.e A,B,C or D

16. Which one have high ionization energy

Ⓐ Na Ⓑ H Ⓒ He Ⓓ Cs

17. The number of electron in P- Subshell

Ⓐ 2 Ⓑ 6 Ⓒ 10 Ⓓ 14

18. Sulphuric acid (H_2SO_4) can produce how many protons in aqueous medium.

Ⓐ 2 Ⓑ 3 Ⓒ 1 Ⓓ 4

19. Which of the following is weak acid?

Ⓐ CH_3COOH Ⓑ Suphuric acid (H_2SO_4) Ⓒ HNO_3 Ⓓ HCl

20. Which one of the following is amphoteric substance?

Ⓐ HCl Ⓑ H_2O Ⓒ NaOH Ⓓ All of these

21. Which one of the following belong to halogen family:

Ⓐ Nitrogen Ⓑ Oxygen Ⓒ Sulphure Ⓓ Chlorine

22. Formation of ionic will occur if the electronegativity difference is

Ⓐ Greater than 1.7 Ⓑ Less than 1.7 Ⓒ Equal to zero Ⓓ All of these

23. The number of orbital in d-subshell

Ⓐ 4 Ⓑ 5 Ⓒ 7 ① 5.6

24. Byer's test is used for election of

Ⓐ Alkane Ⓑ Alkene Ⓒ Alkynes Ⓓ Both A and B

25. Peptide linkage is a

Ⓐ Hydrogen bond Ⓑ Ionic bond Ⓒ Covalent bond Ⓓ Metallic bond

"Physics" π Marks: 20

Q:3 Choose the correct option i.e A,B,C or D

26. A student vibrate the end of the string at 2.6 Hz. This produce a wave with a wavelength of 0.37m, find speed.

Ⓐ 1m/s Ⓑ a. 962 m/s Ⓒ 0.962 m/s Ⓓ None

27. If a light ray enter from a denser medium to a rare medium it will bent to _____

Ⓐ Toward normal Ⓑ Away from normal Ⓒ Under flect Ⓓ None

28. When combing our hair, we shift electron from our hair to comb, the charge on our hair is ____

Ⓐ Positive Ⓑ Negative Ⓒ Zero Ⓓ Infinite

29. Three resistors $R_1 = 5\ \Omega$, $R_2 = 10\ \Omega$, and $R_3 = 20\ \Omega$ are connected in parallel across 90V battery. What is total current in the circuit?

Ⓐ 30 A Ⓑ 34 A Ⓒ 31.03 A Ⓓ 32.9 A

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30. 1 KWh =

Ⓐ 3600 W Ⓑ 1000 j Ⓒ 3.6×10^6 J Ⓓ None

31. The unit of inertia is

Ⓐ Kg Ⓑ m Ⓒ cm Ⓓ N.s

32. When the angle between Force and moment arm is 90°, the torque will be

Ⓐ Maximum Ⓑ Zero Ⓒ Minimum Ⓓ None

33. The Boolean equation for NAND gate is

Ⓐ $X = AB$ Ⓑ $X = A + B$ Ⓒ $X = \overline{AB}$ Ⓓ $X = \overline{A + B}$

34. The unit of coefficient of friction is _____

Ⓐ μ Ⓑ N Ⓒ Kg Ⓓ None

35. Which of the following is solar quantity.

Ⓐ Electric bulb Ⓑ Electric motor Ⓒ Generator Ⓓ Transformer

"English" Marks: 20

Q:4 Choose the correct option i.e A,B,C or D

36. He ___ to school every day.

Ⓐ Go Ⓑ Goes Ⓒ Going Ⓓ gone

37. Identify the noun in the sentence: Ali is playing football.

Ⓐ Is Ⓑ Playing Ⓒ Ali Ⓓ football

38. What is the past tense of "eat"?

Ⓐ Eating Ⓑ Eats Ⓒ Eaten Ⓓ ate

39. Which sentence is correct?

Ⓐ She go to market. Ⓑ She going to market. Ⓒ She goes to market. Ⓓ She gone to market.

40. Choose the correct article: He bought ___ apple.

Ⓐ a Ⓑ An Ⓒ The Ⓓ No article needed

41. Identify the adjective: The sky is blue.

Ⓐ sky Ⓑ Is Ⓒ The Ⓓ Blue

42. Which one is an interrogative sentence?

Ⓐ She is a teacher Ⓑ Is she a teacher? Ⓒ She was a teacher Ⓓ She is not a teacher.

43. Select the correct preposition: The cat is ___ the table.

Ⓐ On Ⓑ On Ⓒ Under Ⓓ It

44. What is the plural of "child"?

Ⓐ Childes Ⓑ Childs Ⓒ Children Ⓓ child

45. Find the correct spelling:

Ⓐ Recieve Ⓑ Receive Ⓒ Receeve Ⓓ Resive

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"General Knowledge" Marks: 10

سوال :5 درست جواب کا انتخاب کیجیے ۔

46. اسلامی سربراہی کانفرنس کتنے سال بعد منعقد ہوئی؟

Ⓐ اسال Ⓑ ۲سال Ⓒ ۳سال Ⓓ ۴سال

47. رقبے کے لحاظ سے عالم اسلام کا سب سے بڑا ملک کونسا ہے؟

Ⓐ پاکستان Ⓑ قازکستان Ⓒ ازبکستان Ⓓ ترکمانستان

48. پاکستان اور بھارت کے درمیان شملہ معاہدہ کب طے پایا؟

Ⓐ 1969 Ⓑ 1972 Ⓒ 1976 Ⓓ 1980

49. ہمارے ملک کی کتنی فیصد بجلی آبی ذخائر سے حاصل کی جاتی ہے؟

Ⓐ 30 Ⓑ 38 Ⓒ 47 Ⓓ 49

50. امیر کروڑ کون سے زبان کے شاعر تھے؟

Ⓐ پشتو Ⓑ سندھی Ⓒ پنجابی Ⓓ سرائیکی