

Question Booklet No.	Question Booklet Series : A
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AUAT — 2024
B. Sc. Honours in Chemistry (U12)
(TEST BASED ON MCQ)

Full Marks : 100

Duration : 2 Hours

Roll No. of the Candidate : _____
Date of Examination : _____
Name of Examination Centre : _____
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Signature of the Invigilator on Verification

IMPORTANT INSTRUCTIONS

Candidates should read the below instructions carefully and follow them accordingly.

1. The Question Booklet has paper seal pasted on it. Please do **NOT** open the Question Booklet until you are asked to do so by the Invigilator.
2. The candidates must check immediately after breaking the seal that the Question Booklet contains **100 Multiple Choice Questions** in two parts (Part—I and Part—II).
3. Answer of questions of Part—I and Part—II both will have to be given on the **OMR Answer Sheet** provided for this purpose. Fill up the necessary fields that are intended for you by writing and/or shading appropriately. Otherwise the **OMR Answer Sheet cannot** be evaluated and will liable to be rejected. Question numbers progress from **1** to **100** continuously with alternative answers being shown as [A], [B], [C] and [D] for each question. Record your response by completely darkening the corresponding bubble. While responding, you should consider the best alternative answer and shade only one bubble with **black/blue ball point pen only**. For each correct response you will be awarded **1** mark. There will be negative marking for wrong responses. For each wrong response, **-0.25** mark will be awarded. Multiple responses against one **MCQ** will be treated as a wrong response.
4. On leaving the examination hall, candidates must submit the **OMR Answer Sheet**. They are allowed to keep the Question Booklet with them.
5. **OMR Answer Sheet** will be processed by electronic means. Any untoward/irrelevant remarks, folding or putting stray notes on the answer sheet, any damage to the answer sheet will lead to the rejection of the same and the sole liability shall remain with the candidate.
6. Rough Work may be done at the end of the Question Booklet.
7. No candidate will be allowed to leave the examination hall before completion of the examination.
8. Use of any Electronic device like Mobile, Programmable Calculator etc. is strictly prohibited.

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(Core Subject)

- [D] Na^+

8. Which one of the following has the highest basic character?

[>3[°[Jt;P;[°1 3i<, ēA;ā>[i;1 ÎîāZŵ; Ū;ā1āŪ ŵ;[1y 1iŪîā?

[A] SiO₂

[B] MgO

[C] Al₂O₃

[D] Na₂O

9. The correct order of first ionization energy among Be, B, C, N, O is

Be, B, C, N, O -&1 3i<, Š=3 "āŪ>āA;10 Ā[V;1 Î[k;A; y;3 Ō°

[A] Be < B < C < O < N

[B] B < Be < C < N < O

[C] Be < B < C < N < O

[D] B < Be < C < O < N

10. Which one of the following has the highest acidic character?

[>3[°[Jt;P;[°1 3i<, ēA;ā>[i;1 Îîā<A; "āŪ ŵ;[1y 1iŪîā?

[A] SO₃

[B] P₂O₅

[C] ZnO

[D] Na₂O

11. The species, which does not show paramagnetism, is

ē™ Š\ā[t; Š1āiŵ;ī' A;ā ēfJāŪ >ā, ēÎ[i; Ō°

[A] O₂

[B] O₂⁺

[C] O₂⁻

[D] H₂⁺

12. The hydrogen bond is strongest in

ŌāŌiI;āi\> āp; > Îāiŵ;Ū Ā[V;Āā Ōā Ō°

[A] O—H—F

[B] O—H—H

[C] F—H—F

[D] None of the above

13. The weakest bond among the following is

[>3[°[Jt;P;[°1 3i<, fā°t;3 āp; >[i; Ō°

[A] ionic bond

[B] covalent bond

[C] metallic bond

[D] van der Waals' force

14. The volume of a gas at 760 mm pressure is 152 cc. If the temperature remains constant, what is its volume at a pressure of 790 mm?

760 [3[3 ŵ;āiŠ &A;[i; K;āiÎ1 "āŪt; > Ō°
152 cc;Ū ™[f t;āŠ3āyā [Ŋ1 =āA; 790 [3[3 ŵ;āiŠ
&1 "āŪt; > A;t;?

[A] 146.2 cc

[B] 152.3 cc

[C] 182.6 cc

[D] 152 cc

15. In which of the following entropy decreases?

[>iŵ;1 ēA;ā>[i;î;t; &>i;[Š Ōā Î ŠāŪ?

[A] Crystallization of sucrose from solution

[B] Rusting of iron

[C] Melting of ice

[D] Vaporization of camphor

16. Entropy change of the system and the surroundings in equilibrium

$\Delta S_{\text{system}} + \Delta S_{\text{surroundings}} = 0$

- [A] increases
[B] decreases
[C] is constant
[D] either increases or decreases

17. pH of 10^{-8} M HCl is

10^{-8} M HCl - pH is

- [A] 8
[B] 6.9788
[C] 7.9788
[D] 1.05

18. The degree of ionization of a weak electrolyte

degree of ionization of a weak electrolyte

- [A] decreases with dilution
[B] increases with dilution
[C] may increase or decrease with dilution
[D] is not affected by dilution

19. The correct statement is

CH_3COOH is a weak acid

- [A] CH_3COOH is a weak acid
[B] NH_4Cl gives an alkaline solution in water
[C] CH_3COONa gives an acidic solution in water
[D] NH_4OH is a strong base

20. Which of the following alkaline earth metal hydroxides is the least soluble?

solubility of alkaline earth metal hydroxides

- [A] $\text{Be}(\text{OH})_2$
[B] $\text{Mg}(\text{OH})_2$
[C] $\text{Ca}(\text{OH})_2$
[D] $\text{Ba}(\text{OH})_2$

21. Melting point is lowest for

melting point of alkaline earth metals

- [A] Be
[B] Mg
[C] Ca
[D] Sr

22. The pair of compounds which cannot exist together in solution is

compatibility of compounds in solution

- [A] NaHCO_3 and NaOH
[B] Na_2CO_3 and NaHCO_3
[C] Na_2CO_3 and NaOH
[D] NaHCO_3 and NaCl

23. Sodium metal cannot be stored under

storage of sodium metal

- [A] benzene
[B] kerosene oil
[C] alcohol
[D] toluene

24. Which of the following substances can be used for drying neutral or basic gases?

[>ŵŵ¹ ēA_jā> šfā=[i_j [>ŷŷ¹ ō Ū_jā¹ā¹ Ū_j K_jā¹P_j]⁰
Ç_jA_jā¹>ā¹ \> α.ō⁰ā¹ A_jā¹ ēTMŷ_j Šā¹?

- [A] CaCO_3
[B] Na_2CO_3
[C] NaHCO_3
[D] CaO

25. Three centred bond is present in

[t] > ěA: [f] A: ɤp > l: š[ŋ]t: 1ìÚà

- [A] BF_3
[B] B_2H_6
[C] AlCl_3
[D] BCl_3

26. The Lewis acid strength of boron halides follows the order

$\hat{e}^{\alpha 1} > 0, \hat{a}^{\alpha 0} |_{-} - \hat{e}^1 \circ \hat{1} \text{ "}, \hat{a}[\hat{1} | \hat{A}[\nu_{ii} y_i^3 \text{ " > } \hat{1}^1_0$
 $A_i \hat{1}^1$

- [A] $\text{BBr}_3 > \text{BCl}_3 > \text{BF}_3$
 [B] $\text{BCl}_3 > \text{BBr}_3 > \text{BF}_3$
 [C] $\text{BF}_3 > \text{BCl}_3 > \text{Br}_3$
 [D] $\text{BCl}_3 > \text{BF}_3 > \text{BBr}_3$

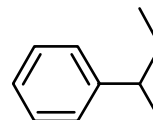
27. Borazole ($B_3N_3H_6$) is related to benzene as

$\text{B}_3\text{N}_3\text{H}_6$

- [A] isoelectronic
[B] isostructural
[C] isoelectronic and isostructural
[D] None of the above

28. The IUPAC nomenclature of the following compound is

$[>^3\text{O}]\text{Jt}_i\text{e}^{\text{TM}}\text{i}^{\text{K}1}\text{IUPAC}>\text{a}^3\text{A}_i\text{1}_0\text{O}^0$



- [A] 2-cyclohexylbutane
[B] 2-phenylbutane
[C] 3-cyclohexylbutane
[D] 3-phenylbutane

29. Which of the following structures exhibits cis-trans isomerisms?

[>]W₁¹ ĒA₁ā> A₁ā₁ā₁ā₁³ā₁i₁ cis-trans "ā₀ī₁ā₁³[₁\₃
šfĀ> A₁ī¹?

- [A] $\text{BrH}_2\text{C} - \text{CH}_2\text{Br}$
- [B] $\text{Br}_3\text{C} - \text{CH}_3$
- [C] $\text{BrHC} = \text{CHBr}$
- [D] $\text{CBr}_2 = \text{CH}_2$

30. Which of the following methods is employed to distinguish optical isomers?

"Š[i;A;à° "àÒîÎâ³àî¹¹ Šà=A; A;¹ît; [>îw;¹ ëA;à>
Š†;|t; ¼.ºà¹ A;¹à ÒÚ?

- [A] Chemical tests
- [B] Polarimetry
- [C] Spectroscopy
- [D] Boiling/melting point determination

31. Which of the following carbocations will be the most stable?

[>] Ph_3C^+ $\text{CH}_3\text{—CH}^+\text{—CH}_3$ $\text{CH}_3\text{—CH}^+\text{—CH}_2$ $\text{CH}_2=\text{CH—CH}_2^+$?

[A] Ph_3C^+

[B] $\text{CH}_3\text{—CH}^+\text{—CH}_2$

[C] $(\text{CH}_3)_2\text{CH}^+$

[D] $\text{CH}_2=\text{CH—CH}_2^+$

32. Which of the following properties is most commonly possessed by nucleophile?

[>] H_2O NH_3 CH_3OH CH_3NH_2 CH_3MgBr ?

[A] An overall positive charge

[B] Empty orbitals

[C] An unpaired electron

[D] A lone pair electron

33. Wurtz reaction involves the interaction of alkyl halides in dry ether with

Wurtz $\text{C}_2\text{H}_5\text{I}$ $\text{C}_2\text{H}_5\text{Br}$ $\text{C}_2\text{H}_5\text{Cl}$ $\text{C}_2\text{H}_5\text{F}$?

[A] sodium

[B] zinc

[C] copper

[D] platinum

34. Ethylene reacts with cold alkaline KMnO_4 (Bayer's reagent) to form

$\text{O}=\text{C}=\text{C}=\text{O}$ CH_3COOH $\text{CH}_2\text{OHCH}_2\text{OH}$ CH_3CHO ?

[A] oxalic acid

[B] acetic acid

[C] glycerol

[D] glycol

35. Markovnikov's addition is observed in

$\text{CH}_3\text{—CH}=\text{CH}_2$ $\text{CH}_3\text{—CH}=\text{CH—CH}_3$ $\text{CH}_3\text{—CH}=\text{CH—CH}_2$ $\text{CH}_2=\text{CH—CH}_2$?

[A] $\text{CH}_3\text{—CH}=\text{CH—CH}_3\text{—HBr}$

[B] $\text{CH}_3\text{—CH}=\text{CH}_2\text{+HBr}$

[C] $\text{CH}_3\text{—CH}=\text{CH}_2\text{+Br}_2$

[D] $\text{H}_3\text{C—C}\equiv\text{C—CH}_3\text{+HBr}$

36. Teflon is a polymer of

CH_2F_2 CH_2Cl_2 CH_2Br_2 CH_2I_2 ?

[A] monofluoroethene

[B] difluoroethene

[C] trifluoroethene

[D] tetrafluoroethene

37. $\text{CH}_3\text{—CH}=\text{CH—CH}_3$ on ozonolysis gives

$\text{CH}_3\text{—CH}=\text{CH—CH}_3$ CH_3CHO CH_3COCH_3 O_2 ?

[A] CH_3CHO

[B] CH_3COCH_3

[C] O_2

[D] $\text{CH}_3\text{CH}_2\text{OH}$

38. Chromium metal crystallizes in a body-centred cubic lattice. The length of the unit cell edge is found to be 287 pm. The atomic radius of chromium is

$\text{CH}_3\text{—CH}=\text{CH—CH}_3$ CH_3CHO CH_3COCH_3 O_2 ?

[A] 124.13 pm

[B] 142.13 pm

[C] 143.5 pm

[D] 214 pm

39. In sodium chloride crystal, each chloride ion is surrounded by

ĖÎĀ[I;ÚĀ³ ĖAĀĀ¹ĀŌI; ÑĖ;[I;ĀI¹ Š[t;[I; ĖAĀĀ¹ĀŌI; "ĀÚ> AĀĀ ĀĀ¹Ā ĖĀ[Ė;t;?

- [A] 6 Na⁺
[B] 6 Cl⁻
[C] 5 Na⁺
[D] 4 Na⁺

40. Due to Frankel defect, the density of ionic solids

Ó;ĀŠ;S;° y[I;Ā¹ AĀĀ¹ĀŌ, "ĀÚ[>A; A;[k; > ŠfĀĀ¹ Q>Ā

- [A] decreases
[B] increases
[C] does not change
[D] either increases or decreases

41. The amorphous solid among the following is

[>Ā³¹ 3Ā<, [>¹ĀAĀ¹ A;[k; > ŠfĀ=[i; Ō°

- [A] diamond
[B] graphite
[C] glass
[D] common salt

42. At high altitudes, the boiling point of water decreases because

I;ZŲ; I;ZŲ;t;ĀÚ, \Ā°¹ ÑĖ;Ā; >ĀS; ŌĀÎ ŠĀÚ AĀĀ¹Ō

- [A] the atmospheric pressure is high
[B] the temperature is low
[C] the atmospheric pressure is low
[D] the temperature is high

43. The flow of solvent through a semi-permeable membrane towards the solution side is known as

&A;[i; " <Ā;f, [c;[Ā¹ 3<, [fĀÚ %ĀĀ¹ [fĀ; %ĀĀA;¹ ŠĀĀŌ [ŌĀĀĀ Š[¹Ų;t;

- [A] adsorption
[B] absorption
[C] diffusion
[D] osmosis

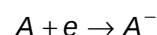
44. The lowest freezing point of 0.1 M aqueous solution is of

[>ĀĀ¹ ĖAĀĀ > 0.1 M \°ĀÚ %ĀĀ¹ ĀĀ[>³ [Ō³ĀS; ŌÚ?

- [A] K₂SO₄
[B] NaCl
[C] Urea
[D] Glucose

45. If the half cell reaction, has a large negative reduction potential, then

Ų[f [>³[°[Jt; " < ĖAĀĀĖ [Ā[y;ÚĀ¹ reduction potential &¹ Ā'ĀĀ, 3Ā > ĀI; =ĀĀA; t;ĀĀ



- [A] A is readily reduced
[B] A is readily oxidised
[C] A⁺ is readily reduced
[D] A⁻ is readily oxidised

46. In normal hydrogen electrode, the concentration of H⁺ ion is

ĀĀĀ¹Ō ŌĀŌĀI;ĀĀ \> ŌĀ°A;ĀĀĀĀI; H⁺ "ĀÚ[>¹ Q>Ā =ĀĀA;

- [A] 0.1 M
[B] 0.2 M
[C] 1 M
[D] 2 M

47. In the cell, $\text{Zn}|\text{Zn}^{2+}||\text{Cu}^{2+}|\text{Cu}$ the negative terminal is

[A] Zn

[B] Cu

[C] Zn^{2+}

[D] Cu^{2+}

48. A quantitative relationship between the temperature and rate constant is given by

[A] Arrhenius equation

[B] Nernst equation

[C] Van't Hoff equation

[D] Henderson equation

49. When temperature is raised, the rate of reaction increases because of

[A] lowering of activation energy

[B] increase in the number of collisions

[C] decrease in the number of collisions

[D] decrease in the number of activated molecules

50. The half-life period of a first order reaction is 100 sec. The rate constant of the reaction is

[A] $6.93 \times 10^{-3} \text{ sec}^{-1}$

[B] 0.693 sec^{-1}

[C] $6.93 \times 10^{-4} \text{ sec}^{-1}$

[D] 69.3 sec^{-1}

51. Increasing order of boiling point is

[A] $\text{H}_2\text{O} > \text{H}_2\text{S} > \text{H}_2\text{Se} > \text{H}_2\text{Te}$

[B] $\text{H}_2\text{O} > \text{H}_2\text{Te} > \text{H}_2\text{Se} > \text{H}_2\text{S}$

[C] $\text{H}_2\text{O} > \text{H}_2\text{Se} > \text{H}_2\text{Te} > \text{H}_2\text{S}$

[D] $\text{H}_2\text{O} > \text{H}_2\text{S} > \text{H}_2\text{Te} > \text{H}_2\text{Se}$

52. Phosphorus pentoxide is a/an

[A] oxidising agent

[B] reducing agent

[C] bleaching agent

[D] dehydrating agent

53. O_2 molecule is

[A] paramagnetic

[B] diamagnetic

[C] ferromagnetic

[D] None of the above

54. Variable valency is the main characteristic of

Š[1qt] > Āā° ē™ā\, t;ā A;ā¹ Š<ā> íā[ĀĒi, ?

- [A] alkali metals
- [B] alkaline earth metal
- [C] nobel gases
- [D] transition elements

55. The ion which gives coloured solution is

ē™ "āÚ>[i; 1[R; > %ao ēfÚ, ēĪ[i; Ò°

- [A] Zn²⁺
- [B] Cd²⁺
- [C] Cu⁺
- [D] Fe²⁺

56. The magnetic moment of an iron salt is 4.90 BM. The oxidation state of iron in that salt is

&A;[i; ē°āÒā °ā]0¹ ē™Ī' A;āÚ °ā³A; 4.90 BMĪÚ
ēĪÒ °ā]0 ē°āÒā¹ \ā¹0 "āÑā Ò°

- [A] +3
- [B] +2
- [C] zero
- [D] 2.5

57. Out of the following, the compound, which is not a coordination compound, is

[>³[°[Jt; ē™ĪKP;[°¹ 3Ī<, ē™[i; &A;[i;
coordination compound >Ú, ēĪ[i; Ò°

- [A] [Co(NH₃)₄Cl₂]⁺
- [B] FeSO₄·(NH₄)₂SO₄·6H₂O
- [C] K₃[Fe(CN)₆]
- [D] K₄[Fe(CN)₆]

58. For the equation $k = Ae^{-E_a/RT}$ in chemical kinetics, which of the following statement is **correct**?

1āĪāÚ[>A; K[t;[āf,āÚ $k = Ae^{-E_a/RT}$ Ī³āA;1Ī0¹
\>, [>ĪĪ;1 ēA;ā> [āā[t;[i; Ī[kA;?

- [A] k is the equilibrium constant
- [B] A is adsorption factor
- [C] E_a is the energy of activation
- [D] R is Rydberg constant

59. The Tyndal effect is shown by

[>ĪĪ;1 ēA;ā>[i; [i;"ā° Š@;āā ēfJāÚ?

- [A] precipitate
- [B] sol
- [C] plasma
- [D] solution

60. Which of the following has the minimum gold number?

[>ĪĪ;1 ēA;ā>[i;1 Īā[>' gold number "āā?

- [A] Starch
- [B] Sodium oleate
- [C] Gum arabic
- [D] Gelatin

61. The ore having two different metals is

f[i; [ā;Ā <āt;1 "āA;[1A; Ò°

- [A] haematite
- [B] galena
- [C] magnetite
- [D] copper pyrites

62. Which of the following complexes has square planar structure?

[>ìw:¹ ëAjà> Aᵢ³ìšìG¹ ɱKàAjà¹ î³³tᵢᵒăÚ Ajàk:jà³à
¹ìúíá?

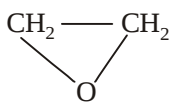
- [A] $[\text{Ni}(\text{CN})_4]^{2-}$
 [B] $[\text{Ni}(\text{CO})_4]$
 [C] $[\text{Zn}(\text{NH}_3)_4]^{2+}$
 [D] $[\text{NiCl}_4]^{2-}$

63. The ligand, which is not chelating, is

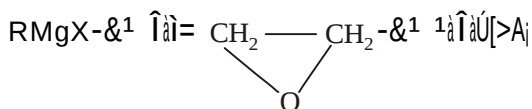
$$\tilde{e}^{\text{TM}} [{}^{\circ}K, \hat{a} " [i] i [W] i {}^{\circ}[i] i] > \acute{U}, t_{\hat{a}} \acute{O}^{\circ}$$

- [A] EDTA
[B] $\text{C}_2\text{O}_4^{2-}$
[C] CH_3COO^-
[D] en

64. The reaction of $\text{CH}_2=\text{CH}_2$ with



RMgX leads to the formation of



$[x[y_i \dot{U} \dot{U} A_i \dot{a} \dot{I} t_i]^{1} \dot{O} \dot{U} ?$

- [A] RCHOHR
 [B] RCHOHCH_3
 [C] $\text{R}_2\text{CHCH}_2\text{OH}$
 [D] $\text{RCH}_2\text{CH}_2\text{OH}$

65. The compound, which does not give iodoform test, is

ě™ ě™iK[i; "àíàìl|àó³ š¹âû:à ěfú >à, ěî[i; ò°

- [A] acetophenone
[B] benzophenone
[C] $\text{CH}_3\text{CHOHCH}_3$
[D] $\text{CH}_3\text{CHOHCH}_2\text{CH}_2\text{CH}_3$

66. Tollens' reagent is

$$i_1 i_2 \dots i_X \in [a_1 : a_X] \quad 0 \leq$$

- [A] alkaline mercuric chloride solution
- [B] ammoniacal silver nitrate solution
- [C] ammonium citrate solution
- [D] alkaline potassium permanganate solution

67. Among the following, the most basic compound is

$[>^{\circ}[\text{Jt}_i\text{P}_i]^{\circ 1\ 3}]_<, \hat{\text{I}}\text{a}^{\circ}\text{W}_i\text{U}$ basic $\text{e}^{\text{TM}}\text{IK}[i]_i\ \text{O}^{\circ}$

- [A] benzylamine
[B] aniline
[C] acetanilide
[D] *p*-nitroaniline

68. The amine, which does not respond to carbylamine reaction, is

$\tilde{e}^{\text{TM}}$ ", $\tilde{a}[^3> A\tilde{a}[\alpha^0\tilde{a}^3\tilde{O}> [\alpha[y|\tilde{U}\tilde{U} \hat{I}\tilde{a}|_{\tilde{a}} \tilde{e}f\tilde{U} >\tilde{a}$, $\tilde{e}\hat{I}[i]$
 $\tilde{O}^0$

- [A] ethylamine
[B] $(\text{CH}_3)_2\text{NH}$
[C] CH_3NH_2
[D] phenylamine

69. DNA contains the sugar

DNA-ēt; I;Š[Ñt; [W;]>1 "0

- [A] deoxyribose
[B] ribose
[C] D-fructose
[D] D-glucose

70. Amino acids are the building blocks of

$$", \hat{a}^{[3]} > \hat{a}^{[1]} \mid A_i \hat{a}^{[1]} \mid [a^{[A_i]}] \mid a^{[A_i]}?$$

- [A] carbohydrates
[B] vitamins
[C] fats
[D] proteins

PART—II

(Islamic History and Culture, General English & General Knowledge)

71. Makkah is situated in

³Bjā ēAīā=āÚ "ā[Ńtī?

- [A] Persia
- [B] Turkey
- [C] The United Kingdom
- [D] Saudi Arabia

72. Subhanallah means

ĤāŌā>"āÀāŌ Aī=ā¹ "="

- [A] Glory be to Allah
- [B] Praise be to Allah
- [C] Allah is Almighty
- [D] Allah is Merciful

73. In Islam, interest is

ŌĤōāī³ Ĥf

- [A] encouraged
- [B] allowed
- [C] discouraged
- [D] prohibited

74. The first chapter of the *Holy Qur'an* is

‘Š[ay Aī¹ "āī>¹' Š=³ " <āÚ Ō°

- [A] Al-Fatiha
- [B] Al-Baqarah
- [C] Al-Ikhlās
- [D] Al-Kawthar

75. In which masjid, prayer is performed in a circular row?

ēAīā> ³Ĥ[\īf āvīāAī¹ Ĥā[1ītī >ā³ā™ Šlīā ŌÚ?

- [A] Masjid al-Aqsa
- [B] Masjid al-Haram
- [C] Masjid al-Nabawi
- [D] Al-Azhar Mosque

76. Prophet Muhammad (PBUH) lived for _____ years.

>āā ³Ōā~f (Ĥā-) _____ āá¹ \ā[stī [āì°>īÚ

- [A] 60
- [B] 62
- [C] 65
- [D] 67

77. A person who receives revelation from God Almighty in the form of message as well as book is called

³Ōā> #Ĥī¹¹ [>Aīī ŌŌītī [™> ātīā * ŠŃAī IīŌīÚ
"āAīā¹ ŠtīāīfĤ Šā>, tīāīAī ā°ā ŌÚ

- [A] Prophet
- [B] Messenger
- [C] Prophet as well as Messenger
- [D] Neither Prophet nor Messenger

78. Fasting refers to

ē¹ā™ā ā°ītī ēāāCāÚ

- [A] abstaining from food
- [B] abstaining from evils
- [C] developing God consciousness
- [D] All of the above

79. Rashidun Caliphate began with which of the following incidents?

ēAīā> Qī>ā¹ ĤīU ¹ā[Ĥf> [J°āōītī Çī¹ ŌìÚ[ā°?

- [A] The death of Prophet Muhammad (PBUH)
- [B] The end of Umayyad Caliphate
- [C] The end of Abbasid Caliphate
- [D] None of the above

80. The first woman in this earth is

&Ō Š[=āāītī Š=³ >ā¹ā Ōì°>

- [A] Eve
- [B] Sara
- [C] Julekha
- [D] Mariam

81. Which phrase is recited before various activities, such as eating, reading Qur'an or beginning a task?

Jà*Úà, A₁¹ "à> Šàk₁ à &A₁[i₁ A₁à \ Ç₁¹ A₁¹à¹ 3ìt₁à
[à[à₁À A₁à \ ¹ "àìK àA₁à> àA₁à}À[i₁ Šàk₁ A₁¹à ÒÚ?

- [A] Bismillah
- [B] Astaghfirullah
- [C] Allahu Akbar
- [D] Subhanallah

82. What is the phrase commonly recited when hearing about someone passing away?

èA₁l₁ 3à¹à Ìà*Úà¹ A₁=à Ç₁ì> Îà<à¹ot₁ è[™] àA₁l₁[i₁
à^oìt₁ ÒÚ èÎ₁à A₁à?

- [A] Alhamdulillah
- [B] Hasbunallahu Wa Ni'mal Wakeel
- [C] Inna Lillahi Wa Inna Ilayhi Raji'un
- [D] Subhanallah

83. What did prophet Muhammad (SAW) break his fast with?

>àà 3Òà' f (Îà-) A₁à [fìÚ è¹à\à @àRìt₁>?

- [A] Dates
- [B] Watermelon
- [C] Cucumber
- [D] Apple

84. What is sighted to signal the start of Ramadan?

13\à> Ç₁¹ 0*Úà¹ Î₁àA₁t₁ A₁à èfJà ÌàÚ?

- [A] Stars
- [B] Shooting Star
- [C] Bright Sun
- [D] Crescent Moon

85. Who is exempted from fasting during Ramadan?

13\à> 3ààîÎ è¹à\à è=ìA₁ A₁à¹à "à,àÒ[t₁Šàæ₁?

- [A] The traveler
- [B] The weak and the old
- [C] The sick
- [D] All of the above

86. The word 'Islam' means

'ÒÎ^oà³' Àì¹ " =

- [A] Those who follow Muhammad
- [B] Surrender to God
- [C] Recitations
- [D] Sons of Allah

87. Who are mentioned in the *Quran* as those who Allah loves?

'A₁¹ "àì>' A₁àìf¹ìA₁ "àÀàÒ @à^oààîÎ> àì^o l₁àÀJ
A₁¹à ÒìÚìá?

- [A] Allah loves those who commit sin
- [B] Allah loves those who eat more
- [C] Allah loves those whoever repents and whoever is clean
- [D] None of the above

88. Where do Muslims go for the Pilgrimage (Hajj)?

3Î^oà³à>¹à èA₁à=àÚ t₁à=ÌàYà (Ò\) A₁¹ìt₁ ÌàÚ?

- [A] Baitul Mudaddas (Al-Aqsa Mosque Palestine)
- [B] Karbala (Iraq)
- [C] Dubai (UAE)
- [D] Makkah (Saudi Arabia)

89. What are the forms of worship in Islam?

ÒÎ^oàì³ l₁ŠàÎ>àìA₁ A₁à àì^o?

- [A] Salah (Prayers)
- [B] Sawm (Fasting)
- [C] Remembrance of Allah
- [D] All of the above

90. Why do Muslims fast?

3Î^oà³à>¹à èA₁à> è¹à\à 1àJ?

- [A] To lose weight
- [B] Personal satisfaction
- [C] To gain Taqwa
- [D] Sympathy with poor people

91. The noun form of the word 'CLEAR' is
 [A] clear
 [B] clearly
 [C] clarity
 [D] clearing
92. Choose the correct sentence from the given alternatives :
 [A] James and Simey went to the market
 [B] I look forward to meet you
 [C] Me and Tashi live here
 [D] This restaurant has both fooding and lodging facilities
93. We need the _____ of the guide before we plan to make our _____ to the mountain peak.
 [A] accent, ascent
 [B] assent, ascent
 [C] ascent, assent
 [D] assent, accent
94. The adjective form of the word 'VACATE' is
 [A] vacancy
 [B] vacation
 [C] vacant
 [D] vacantly
95. Find the meaning of the underlined expression.
 She put the cherry on top of the cake of her success by winning a scholarship.
 [A] adding on perfection to something which is already perfect
 [B] enthusiastic about something
 [C] offering a delicious treat
 [D] to put final touches on a nearly complete project

96. Who was made the Nawab of Bengal after the Battle of Plassey?
 শ্রীমতী মীর জাফর খান
 [A] Mir Jafar
 [B] Alivardi Khan
 [C] Siraj-ud-Daulah
 [D] Mir Qasim
97. Which of the following books is written by Rajendra Prasad?
 [A] *India Divided*
 [B] *An Autobiography : Towards Freedom*
 [C] *The Discovery of India*
 [D] *Glimpses of World History*
98. What is the dangerous disease caused by bacteria in humans and cattle called?
 [A] Little Mother
 [B] Measles
 [C] Anthrax
 [D] Malaria
99. Where is 'Dudhsagar Waterfall' in India?
 [A] At the border of the Indian States Goa and Karnataka
 [B] In Karnataka
 [C] In Gujarat
 [D] In Rajasthan
100. Where is 'Nanda Devi Mountain' (Second highest mountain in India)?
 [A] Chamoli district
 [B] Jaipur district
 [C] Srinagar district
 [D] Shimla district

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