**miuah©L bghJ¤nj®Î -2015**

g‹åu©lh« tF¥ò

fâå m¿éaš éil¡F¿¥ò

**gFÂ-1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | a | 11 | b | 21 | a | 31 | a | 41 | d | 51 | b | 61 | c | 71 | d |
| 2 | a | 12 | d | 22 | d | 32 | b | 42 | d | 52 | d | 62 | a | 72 | c |
| 3 | c | 13 | c | 23 | b | 33 | d | 43 | b | 53 | c | 63 | a | 73 | a |
| 4 | a | 14 | b | 24 | b | 34 | a | 44 | a | 54 | c | 64 | c | 74 | d |
| 5 | d | 15 | d | 25 | a | 35 | b | 45 | d | 55 | a | 65 | b | 75 | a |
| 6 | b | 16 | b | 26 | b | 36 | d | 46 | b | 56 | b | 66 | d |  |  |
| 7 | d | 17 | c | 27 | b | 37 | c | 47 | a | 57 | c | 67 | c |  |  |
| 8 | b | 18 | c | 28 | d | 38 | a | 48 | c | 58 | d | 68 | b |  |  |
| 9 | c | 19 | a | 29 | b | 39 | c | 49 | a | 59 | b | 69 | d |  |  |
| 10 | d | 20 | c | 30 | c | 40 | c | 50 | d | 60 | a | 70 | a |  |  |

**gFÂ-2**

|  |  |  |
| --- | --- | --- |
| 76 | fâ¥bgh¿æš bghU¤jkhd xU bk‹bghUis¥ ga‹gL¤Â xU Mtz¤ij cUth¡Fjš, gh®¤jš, ÂU¤Jjš, nrä¤jšu, ÂU«g vL¤jš k‰W« m¢ÁLjš M»a bra‰ghLfis¢ brŒtij brh‰brayh¡fš v‹W miH¡»nwh«. | 2 |
| 77 | g¡f mikÎ ÏU tif¥gL«. mit: 1. ngh®£iu£ 2. ny©°nf¥ | 2 |
| 78 | 1) njÂÍl‹ eh£fis¡T£o òJ njÂia¡ f©LÃo¡fyh«.2) ÏU njÂfis fê¤J Ïil¥g£l eh£fis¡ fz¡»lyh«.v-fh. 03/04/00 njÂÍl‹ 79 eh£fis¡ T£l =A2+79 v‹w thŒgh£il ga‹gL¤jyh«. | 11 |
| 79 | ä‹ m£ltiz¢braè v‹gJ fâ¥bgh¿æš, beLtçirfis¡ bfh©l m£ltiz m¿¡iffis cUth¡fÎ« mt‰¿š nk‰bfh©L fz¡ÑLfis¢ brŒaÎ« ga‹gL« xU fz¡Ñ£L¤jhŸ MF«. | 2 |
| 80 | juÎ¤js nkyh©ik mik¥ò (DBMS) v‹gJ, gy gad®fŸ, juÎ¤js¤Âš cŸs juÎfis¥ bgwnth, njitbaåš kh‰wnth mšyJ vëa mšyJ Á¡fyhd édtšfŸ \_y« bgWtj‰nfh mšyJ bra‰gL¤Jtj‰nfh njitahd ãušfë‹ bjhF¥ghF«. | 2 |
| 81 | gadhsç‹ njit¡nf‰g juÎ¤js¤ÂèUªJ juÎfis¡bfh©L bjhF¡f¥g£l jftšfis m¢Á£l toéš tH§Ftijna m¿¡if (Report) v‹»nwh«. | 2 |
| 82 | gšÿlf« v‹gJ ciu, tiugl«, mirÎ¥gl«, xè, xë¡fh£ÁfŸ M»a TWfŸ ml§»a fâ¥bgh¿ jGéa xU tH§F Kiw MF«. | 2 |
| 83 | 1) Shockwave got« Macromedia v‹D« ãWtd¤jhš, Flash bk‹bghUis¥ ga‹gL¤Â totik¡F« gšÿlf¡ nfh¥òfis¤ nj¡» it¡f cUtik¡f¥g£lJ.2) Ïj‹ nfh¥òfŸ .swf v‹D« éçit¡ bfh©LŸsJ. | 11 |
| 84 | Ïªj¥g¡f«, ÁšYfS¡F kh‰W éisÎfis tH§Ftj‰fhd gy kh‰W éisÎ Kiwfis¡ bfh©LŸsJ. Ïij¥ ga‹gL¤Â x›bthU ÁšY¡F« bt›ntW kh‰W éisÎfis tH§fyh«. | 2 |
| 85 | ÁšYé‹ Ã‹dâia kh‰w, Format -> Page -> Background M»a Ïiz¥òfis¤ nj®Î brŒJ, Colour, Gradient, Hatching, Bitmap M»at‰¿š x‹iw¤ nj®Î brŒJ kh‰wyh«. | 2 |
| 86 | juÎfisÍ« bra‰TWfisÍ« xU bghUŸ tiuaiw¡FŸ x‹whf¥ Ãiz¤Jit¡F« brašE£g« ciwbghÂah¡f« vd¥gL»wJ. | 2 |
| 87 | xU fâ¥bgh¿ bkhêæ‹ ãušbga®¥Ã¡F¥ òç»‹w bghUŸ bfh©l brh‰fŸ Áw¥ò¢ brh‰fŸ vd¥gL»‹wd. v.fh. : auto, break, case, const. | 2 |
| 88 | * unsigned v‹D« g©òz®¤Â, ne®k«/vÂ®k« v‹gij¡ F¿¡F« F¿ Ã£ilÍ« kÂ¥òz®¤j¥ ga‹gL¤Â¡ bfhŸtjhš kh¿ V‰F« kÂ¥Ã‹ tu«bgšiy kh‰¿aik¡f¥gL»wJ.
* long v‹D« g©òz®¤Â F¿¥Ã£l juéd¤Â‹ ig£Lfis mÂfç¤J, kÂ¥Ã‹ tu«bgšiyia Ú£o¡»wJ.
 | 11 |
| 89 | const v‹D« jFÂah¡» ãuè‹ Ïa¡f neu¤Âš kh¿æ‹ kÂ¥ò kh‰w¥gl KoahJ v‹gij cz®¤J»wJ. Ãw g©òz®¤Âfis¥ ngh‹nw kh¿fŸ m¿é¡f¥gL«nghJ juéd¥ bgaU¡F K‹bdh£lhf Ïl«bgW»wJ.v.fh. const float pi = 3.14; | 11 |
| 90 | if(ãgªjid / nfhit){ brašgh£L¤ bjhFÂ-1 } | else{ brašgh£L¤ bjhFÂ-2 } | 2 |
| 91 | ãuè‹ Ús¤ij¡ Fiw¡»‹wd.F¿Kiwæ‹ kWgadh¡f¤J¡F cjÎ»‹wd. | 11 |
| 92 | xU gçkhz« v.fh. int array[5];gy gçkhz« v.fh. char day[7][10]; | 11 |
| 93 | ru§fë‹ mâ v‹gJ X® ÏUgçkhz mâ MF«. mâ tiuaW¥Ãš Kjš R£bl© ru§fë‹ v©â¡ifia¡ F¿¡F«.Ïu©lhtJ R£bl© ru§fë‹ c¢r msÎ Ús¤ij¡ F¿¡F«.VjhtJ xU vL¤J¡fh£L char day[7][10]; | 11 |
| 94 | 1. Ïd¡FG m¿é¥ò
2. Ïd¡FGé‹ bra‰TW tiuaiwfŸ
 | 11 |
| 95 | Ïd¡FGé‹ xU juÎ cW¥ò¡F static v‹D« jFÂia më¡f KoÍ«. static juÎ cW¥ò:* mªj Ïd¡FGéš Kjš bghUŸ cUth¡f¥gL«nghJ, 0 v‹w bjhl¡f kÂ¥ig¥ bgW«. mj‹ÃwF bjhl¡f kÂ¥ÃU¤j¥gLtÂšiy.
* ãidtf¤Âš, cW¥ò kh¿¡F xnuhbahU efš k£Lnk ÏU¡F«. mnj Ïd¡FGé‹ Ãw bghUŸfS« ãidtf¤ÂYŸs mªjbthU efiyna g»®ªJbfhŸ»‹wd.
* mj‹ tiubašiyÍ« mQ»ašò« mªj Ïd¡FGÎ¡FŸnsjh‹. Mdhš mj‹ thœehŸ, ãuš brašg£L KoÍ«tiu ÏU¡F«.
 | 2 |
| 96 | xU bra‰F¿¡F¥ òÂa bghUis tH§F« brašE£gnk bra‰F¿¥ gâäF¥ò v‹wiH¡f¥gL»wJ. | 2 |
| 97 | 1. Ïd¡FG¥ bghUë‹ cW¥òfëš bjhl¡f kÂ¥ò ÏU¤J»wJ.
2. bghUS¡F ãidtf¤Âš Ïl« xJ¡F»wJ.
 | 11 |
| 98 | Ãw Ïd¡FG¡fis¤ jUé¥gj‰fhf k£Lnk ga‹gL« Ïd¡FG¡fŸ mUt Ïd¡FG¡fŸ mšyJ fU¤Âaš Ïd¡FG¡fŸ vd¥gL»‹wd. mjhtJ, fU¤Âaš Ïd¡FG¡fëš bghUŸfŸ cUth¡f KoahJ. | 2 |
| 99 | ä‹f‰wš Kiwæš Ïiza¤Â‹ têna fšé f‰W g£l§fS« rh‹¿jœfS« bgw KoÍ«. | 2 |
| 100 | r£l¥òw«ghd Kiwæš xU fâ¥bgh¿ Kiwikæš mšyJ Ãiza¤Âš EiHtijna mu© cil¤jš v‹»nwh«. | 2 |
| gFÂ-3 |
| 101 | 1. Edit -> Find & Replace f£lisfis¤ nj®Î brŒaÎ«. Find & Replace ciuahlš bg£o njh‹W«.
2. Search for ciu¥bg£oæš njl nt©oa brhšiy mšyJ ciu¥gFÂia j£l¢R brŒaÎ«.
3. Replace with bg£oæš kh¿ tunt©oa brhšiy mšyJ ciu¥gFÂia j£l¢R brŒaÎ«.
4. njLtj‰F Find bgh¤jhid »ë¡ brŒaÎ«.
5. StarOffice Writer njl nt©oa brhš mšyJ ciu¥gFÂia KjšKiwahf¡ f©LÃo¤jÎl‹ Ñœ¡fhQ« VnjD« xU braiy¢ brŒaÎ«:
* f©LÃo¡f¥g£l mªj brhš mšyJ ciu¥gFÂia k£L« Replace with bg£oæš j£l¢R brŒj brhš mšyJ ciu¥gFÂia¡ bfh©L kh‰w Replace bgh¤jhid »ë¡ brŒaÎ«.
* f©LÃo¡f¥g£l brhš mšyJ ciu¥gFÂia ciu¤bjhF¥Ãš tU« všyh Ïl§fëY« kh‰¿ mik¡f Replace All v‹w f£lisia »ë¡ brŒaÎ«.
* f©LÃo¤j brhš mšyJ ciu¥gFÂia¤ jé®¡f Find f£lisia Û©L« »ë¡ brŒaÎ«.
1. ciuahlš bg£oia \_Ltj‰F Close v‹w bgh¤jhid »ë¡ brŒa nt©L«.
 | 11111 |
| 102 | xU jtwhd brhšY« mj‰F¢ rçahd brhšiyÍ« jhåa§» rçbrŒÍ« g£oaèš nr®¥gj‰fhd têKiwfŸ Ã‹tUkhW:Tools -> Autocorrect -> Auto Format v‹w f£lisia¤ nj®Î brŒa nt©L«. Autocorrect v‹w ciuahlš bg£o njh‹W«.Ïªj¥ bg£oæš v‹w Replace bjhFÂia¤ nj®Î brŒa nt©L«.Ï¥bghGJ Replace v‹w beLtçiræš kh‰¿æl¥gl nt©oa brhšiyÍ« With v‹w beLtçiræš kh‰W¢ brhšiyÍ« j£l¢R brŒa nt©L«.Ã‹ OK bgh¤jhid¡ »ë¡ brŒa nt©L«.Ã‹d® Replace beLtçiræš cŸs brhšiy j£l¢R brŒjhš StarOffice Writer jhdhfnt With v‹w brhšiy kh‰¿æL«. | 2111 |
| 103 | °lh® fhš¡»š cŸs AutoFill v‹w trÂia¥ ga‹gL¤Â xU E©ziwæš cŸsij gy E©ziwfëš efbyL¤J xU tçiria cUth¡fyh«. xU E©ziwæš cŸsij gy E©ziwæš efbyL¡f R£oia mªj E©ziwÛJ it¤J »ë¡ brŒJ R£blèia ÏG¤J efbyL¡f nt©oa E©ziwfis äir¥gL¤jÎ«. ÃwF Fill -> Down (or Left) v‹w g£oia g£o¡FŸ br‹W nj®Î brŒaÎ«. clnd Kjš E©ziwæš cŸs bghUŸ äir¥gL¤j¥g£l m¤jid E©ziwfëY« ãu¥g¥gL«.vL¤J¡fh£lhf, G3 æš cŸs thŒgh£il G4, G5, G6 & G7 E©ziwfëš ãu¥g, E©ziwfŸ G3 Kjš G7 tiu äir¥gL¤jÎ«. ÃwF, Edit -> Fill -> Down v‹w g£ofis »ë¡ brŒaÎ«. G3 æš cŸs thŒghL Ãw E©ziwfëš efbyL¡f¥gL«.(mšyJ)xU gu¥Ãš v© tçir cUth¡fÎ« njÂ tçiria cUth¡fÎ« xU E©ziwæš cŸs juit gy E©ziwfS¡F efbyL¡fÎ« Fill f£lis cjÎ»wJ**v©tçir cUth¡f**v© tçir cUth¡f Edit🡪Fill 🡪 Series v‹w tçiræš nj®Î brŒa nt©L«. VWtçiræš x‰iw¥gil v©fis cUth¡f xU gu¥ig nj®ªbjL¡f nt©L«. Ã‹d® Edit🡪Fill 🡪 Series tê br‹W Fill Series ciuahlš bg£oia¥ bgw nt©L« mÂš Direction bjhFÂæš Down bgh¤jhid¡ »ë¡ brŒa nt©L«. Type bjhFÂæš cŸs Linear bgh¤jhid¡ »ë¡ brŒa nt©L« Ã‹d® Start Value ciu¥ bg£oæš 1 v‹w kÂ¥igÍ«, Increment ciu¥ bg£oæš 2 v‹w kÂ¥ig më¤J Ok bgh¤jhid »ë¡ brŒtj‹ \_y« xU v© tçiria cUth¡fyh«**njÂ tçiria cUth¡f**xU E©ziwæš njÂia cŸë£L mij¤ bjhl®ªJŸs E©ziwfis nj®Î brŒa nt©L«, Ã‹ Edit🡪Fill 🡪 Series tê br‹W Fill Series ciuahlš bg£oæš cŸs Time Unit bjhFÂæ‹ Day bgh¤jhid¡ »ë¡ brŒa nt©L«, Increment tiu¥ bg£oæš 7 v‹w kÂ¥ig më¤J Ok bgh¤jhid¡ »ë¡ brŒtj‹ \_y« xU njÂ tçir cUth¡f KoÍ« | 2111122 |
| 104 | °lh® fhš¡»š gytifahd rh®òfŸ cŸsd. rh®òfŸ v‹gd K‹djhfnt tiuaW¡f¥g£l thŒghLfŸ MF«. Ïªj rh®òfŸ StarCalc-š cŸs Function Wizard vD« r‹dš Âiuæš cŸs ÏGg£oaèš cŸsd.Ïªj rh®òfŸ gytiffshf Ãç¡f¥g£LŸsd. Ïªj tiffŸ tifæG g£oaèš (category pull down menu) bfhL¡f¥g£LŸsJ.xU rh®ig¤ nj®ªbjL¡f Insert bg£o¡FŸ br‹W function bg£oia¤ nj®Î brŒa nt©L«. clnd Function Wizard ciuahlš bg£o njh‹W«. mÂš category bg£oia¤ nj®Î brŒJ all v‹w g£oia »ë¡ brŒjhš function bg£oæš všyh rh®òfS« njh‹W«. xU F¿¥Ã£l tifia¤ nj®ªbjL¤jhš mªj tifia¢ rh®ªj bjhl®ghd rh®òfŸ k£L« g£oaèl¥g£L fh£l¥gL«.xU F¿¥Ã£l rh®ig¤ nj®Î brŒa category bg£oæš mªj rh®Ã‹ tifia¤ nj®Î brŒ. ÃwF njitahd rh®ig f©LÃo¡f ÏGg£oia cUs¢brŒ.v.fh. : SQRT mšyJ SUM rh®ò és¡f¤Jl‹ | 1211 |
| 105 | juÎ¤js¤ij¡ Ñœ¡f©l x‹W mšyJ nk‰g£l têfëš ifahsyh«.**njlš** : xU juÎ¤js¤ÂèUªJ njit¥g£l xU F¿¥Ã£l juit njo¡ f©LÃo¤J vL¡F« bra‰gh£o‰F¤ njlš v‹W bga®.**tçirah¡f«** : xU m£ltizæš cŸs juÎfis xU F¿¥Ã£l tçiræš xG§FgL¤Â vGJtj‰F tçirah¡f« v‹W bga®.**nr®¤jš** : xnu mšyJ bt›ntW juÎ¤js§fë‹, x‹W mšyJ x‹W¡F nk‰g£l m£ltizfëèUªJ juÎfis x‹W nr®¡F« bra‰gh£il nr®¤jš v‹W miH¡»nwh«.**juÎfis¡ bfh©L fâ¥ÕL brŒjš** : juÎ¤js¤Âš nrä¤J it¡f¥g£LŸs juÎfis¡ bfh©L eh« vªj tifahd v©fâj fz¡ÑLfisÍ« brŒayh«.**tof£lš** : juÎ¤js§fëš gad®fŸ bfhL¡F« ãgªjidfis ãiwÎ brŒÍ« gÂÎfis k£Lnk Âiuæš njh‹w¢ brŒa ga‹gL»wJ.**juÎ¤js¤ij gÂ¥ghŒÎ brŒjš** : xU juÎ¤js¤Âš V‰fdnt cŸs juÎfis¤ ÂU¤Jjš, Ú¡Fjš, nr®¤jš, totik¥ig kh‰¿aik¤jš mšyJ ÏJ ngh‹w bra‰ghLfis¢ brŒjiyia gÂ¥ghŒÎ brŒjš v‹»nwh«.**m¿¡if cUth¡fš:** m¿¡if v‹gJ njitahd juÎfis juÎ¤js¤ÂèUªJ bg‰W cUth¡F« xU Mtz« MF«.(nk‰f©l jiy¥òfëš VnjD« 5 étç¡f¥g£L ÏUªjhš KG kÂ¥bg© tH§fyh«. têfŸ k£L« ÏUªjhš 2 kÂ¥bg© tH§fyh«.) | 5 |
| 106 | for kl¡F: ÏJ xU EiHÎ f£L¥gh£L kl¡F MF«. xU brašgh£il F¿¥Ã£l jlitfŸ ãiwnt‰w ÏJ ga‹gL»wJ. (2) | for(bjhl¡f kÂ¥ò; nrhÂ¥ò ãgªjid; äF¥ò){ brašgh£L¤ bjhFÂ; } (2) |  |
|  **brašghL : (TLjš étu«)**ãuè‹ f£L¥ghL Kj‹Kjèš kl¡»åš EiHÍ«nghJ f£L¥gh£L kh¿æš bjhl¡f kÂ¥ò ÏU¤j¥gL«.ãgªjid gçnrhÂ¡f¥gL«. rçbaåš, kl¡»‹ cl‰gFÂ bra‰gL¤j¥gL«.f£L¥gh£L kh¿æ‹ kÂ¥ò äF¡f¥g£L Û©L« ãgªjid gçnrhÂ¡f¥gL«.ãgªjid jtW våš kl¡F KoÎ¡F tU«. | Example: (1)for(int i=2; i<=10; i++){cout<<i<<”\n”;} ÏJ ngh‹w VnjD« xU vL¤J¡fh£L. |
| 107 | **F¿¥ò \_y« miH¤jš**: Ïªj Kiwæš miH¡f¥gL« bra‰T¿‹ braYUòfŸ - Kiwahd msòU¡fŸ - miH¡F« bra‰T¿YŸs bkŒahd msòU¡fë‹ kh‰W¥ bga®fshf¢ brašgL»‹wd.F¿¥ò\_y« miH¤jš Kiwæš, Kiwahd msòU¡fëš brŒa¥gL« vªj kh‰wK« bkŒahd msòU¡fëš ÃuÂ gè¡F«. **(VnjD« xU vL¤J¡fh£L)** | 23 |
| 108 | brŒÂ mšyJ juéid x‹W¡F nk‰g£l tot§fëš brayh¡ftšy bra‰T¿‹ Âwidna bra‰TW gâäF¥ò v‹»nwh«.bra‰TW gâäF¥Ã‹ éÂKiwfŸ:1. gâäF¤j bra‰TWfŸ Kiwahd msòU¡fë‹ v©â¡ifænyh, mt‰¿‹ juÎ Ïd§fënyh ntWg£oU¡f nt©L«.
2. gâäF¤j bra‰TWfŸ ÂU¥ÃaD¥ò« juéd« x‹whf ÏU¡fyh«, ntWg£L« ÏU¡fyh«.
3. gâäF¤j bra‰TWfë‹ K‹åašò¢ braYUòfis, msòU¡fë‹ g£oaèš xU gFÂahf Á++ ãušbga®¥Ã fUÂ¡ bfhŸshJ.
4. bjhl®Ãšyhj ÏU bra‰TWfS¡F xnu bgaiu¢ N£lhkš ÏU¥gJ ešyJ.
 | 23 |
| 109 |

|  |  |  |  |
| --- | --- | --- | --- |
| Line No. | Error Code | Correct Code | Reason |
| 1 | **$**include**(**iostream.h**)** | **#**include**<**iostream.h**>** |  |
| 3 | class product**()** | class product |  |
| 6 | PUBLIC: | public: |  |
| 10 | n=10; | n1=10; |  |
| 14 | product(int s1,s2) | product(int s1, **int** s2) |  |
| 16 | s1=n1; | n1=s1; |  |
| 17 | n2=s1; | n2=s2; |  |
| 18 | cout<<”parameterized constructor”; | cout<<”**\n**parameterized constructor”; |  |
| 20 | Void putdata() | void putdata() |  |
| 22 | cout<<”\n The numbers are \t” | cout<<”\n The numbers are \t” **;** |  |
| 26 | **+**product() | **~**product() |  |
| 29 | **}** | **}** **};**  | **end of class missing** |
| 30 | void main**[]** | void main**()** |  |
| 33 | cout**>>**”\nFirst Object”; | cout**<<**”\nFirst Object”; |  |
| 36 | putdata(); | **b.** putdata(); |  |
| **any Ten error gets 10 x ½ = 5 marks** |

 | 5 |
| 110 | Constructor of Base ClassConstructor of Derived1Constructor of Derived2Destructor of Derived2Destructor of Derived1Destructor of Base Class | 5 |