

P013/2&1 BECE  
February 2021  
GHANAIAN  
LANGUAGE AND  
CULTURE  
TWI (ASANTE) 2&1  
Essay and Objective  
1 hour 45 minutes

**2 & 1**

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL

GHANA

**Basic Education Certificate Examination**

February 2021

GHANAIAN LANGUAGE AND CULTURE

TWI (ASANTE) 2&1

1 hour 45 minutes

*Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions. Write your **name** and **index number** in **ink** in the spaces provided above.*

*This booklet consists of two papers. Answer Paper 2 which comes first, in your answer booklet and Paper 1 on your Objective Test answer sheet. Paper 2 will last 1 hour after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last 45 minutes.*

*This paper consists of three sections: I, II and III. Answer one question only in Part I and all the questions in Parts II and III.*

*Answer all the questions in your answer booklet.*

*Credit will be given for clarity of expression and orderly presentation of material.*

PART I  
COMPOSITION  
[30 marks]

1. *Yi deɛ edidi soɔ yi mu baako pɛ fa nsemfua a emmoro oha aduonum (150) twere ho asem.*
  - (a) Twere nsrahwe bi a wo sukuufoɔ kɔɛ ho asem.
  - (b) Deɛ meys no Memeneda biara.
  - (c) Wo asetena yi mu no deɛ ewɔ he na oho hia pa ara? Nsuo anaa anyinam nkanea.
  - (d) Twere krataa koma w'adamfo wo sukuu foforo mu, na ka wo sukuu ho asem kyere no.

PART II  
COMPREHENSION  
[10 marks]

*Kenkan deɛ edidi soɔ yi na bua nsemmisa no nyinaa.*

2. Mmɛrɛ tenten bi a atwam no, na Okra te wiram. One Adanko faa adamfoɔ, na won nyinaa tenaa ase wo anigyeɛ mu. Da koro bi, Otwe ne Adanko ko maa ode ne mmɛn no kumm Adanko. Okra yɛɛ ntem kɔfaa Otwe Adamfoɔ, efiri sɛ na ompe sɛ obyeɛ ankonam, na adwene sɛ wanya adamfoɔ a ne ho ye den yie pa ara.  
One Otwe ayɔnkofa no akyi, ankyɛ koraa na wokɔhyiaa Osebo maa ono nso ne Otwe ko maa Otwe wuis. Eno akyi, Okra ne Osebo faa yɔnkoo nanso ankyɛ biara na Gyata ne Osebo ko maa Gyata kumm Osebo. Mmɛrɛ tenten no nyinaa na Okra adwene ne sɛ, Gyata ne adamfoɔ a ne ho ye den pa ara a wanya. Bere bi a Osono ne Gyata dii ako maa okumm Gyata no, Okra hunuu sɛ, sɛɛ obi foforo wo ho a ne ho ye den kyen Gyata. Okra yɛɛ ntem kɔfaa Osono no adamfoɔ, na esiane sɛ owo ahooɔden pa ara no nti, onyaa no mu gyidie.  
Bere a Obommofoo de agyan a soro wo ano kumm Osono no, Okra dii Obommofoo no akyi firi wiram ho baa Obommofoo no fie. Da koro bi, Okra hunuu ehu a soro Obommofoo bere a ne yere hunahunaa no sɛ ode bankuta bebo no no. Afei, Okra sii n'adwene pi sɛ Obommofoo yere no wo tumi kyen obiara. Eno nti na nns, Okra ne nnipa te wo fie na bere biara oben ne wura yere no.

- (a) Mmɛrɛ tenten no nyinaa na Okra te henefa?
- (b) Ekwan ben na Okra adamfo a odi kan no faa so firii ne nsa?

- (c) Hwan ne Okra adamfo a ɔtɔ so mmiensa wɔ wiram hɔ?
- (d) Edeɛn na ɛmaa Okra nyaa gyidie mapa wɔ Osono mu?
- (e) Edeɛn na ɔde kumm Osono no?
- (f) Edeɛn na ɛmaa Okra firii wiram hɔ?
- (g) Wonsusuis mu no, deɛ ɛwɔ he pa ara na ɛyɛ hu, agyan a ɛborɔ wɔ ano no anaa bankuta no? Adɛn nti?
- (h) Adesua bɛn na woanya afiri ayesɛm no mu?
- (i) Wosusu sɛ adɛn nti na ɔkra faa wɔn a wɔkunkumm ne nnamfonom no yɔnkɔ ntɛm so?
- (j) Fa nsemfua a ɛmmoro nson to ayesɛm no din.

PART III  
LEXIS AND STRUCTURE  
[20 marks]

3. Yiyi nsemmisa a ɛwɔ ɔfa yi nyinaa ano.

*Fa ɔkasamu a ɛdidi soɔ yi kɔ dabi kabea mu.*

- (a) Wɔredidi.
- (b) Nkwadaa no bedi agorɔ wɔ ɔsram berɛ mu.
- (c) Asukuufɔɔ no atwerɛ sɔhwɛ no.
- (d) Yɛhyɛ yɛn afenhyia afahyɛ no ase ɔsanaa mu.
- (e) Amma beka sɛ ɔnni sika.

*Twɛrɛ adeyɛ nsem a ɛwɔ ɔkasamu a ɛdidi soɔ yi mu biara mu.*

- (f) Wɔkumm ɔwɔ no.
- (g) Kofi kɔɔ fie ntɛm nnora.
- (h) ɔdɔ yɛ de berɛ nyinaa mu.
- (i) Yɛbɛgye yɛn ahome ɔkyena.
- (j) Ayɛrɛmo no hyee kube nnua no nyinaa.

*Twere nsemfuakuo a asemfua a wɔatwitwa aseɛ no firi mu wɔ akasamu biara mu.*

- k) Okɔtɔ kɛsɛɛ no nie.*
- (l) Amma ne ne nuabaa no hunuu yɛn.*
- (m) Ɔtan mfa nkabom mma.*
- n) Mmɔfra no kɔɔ akuraa no ase ntɛm so.*
- (o) Nwoma no da pono no so.*

*Twere akasamu no mu biara foforo na fa agyinahyɛdɛɛ a sɛfata hyehye mu.*

- (p) Mehunuu no mɛfrɛɛ no na mekɔɔ ne nkyɛn.*
- (q) Ohyɛɛ sukuu ase wɔ tamale.*
- (r) Tikyani no seree na akaa sɛ, Mua w'ano!*
- (s) Nka saa bio*
- (t) Sɛn na wotɔɔ wo twerɛdua no*

***END OF ESSAY TEST***

# DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

**YOU WILL BE PENALIZED SEVERELY IF YOU ARE  
FOUND LOOKING AT THE NEXT PAGE BEFORE  
YOU ARE TOLD TO DO SO.**

PAPER 1  
OBJECTIVE TEST

45 minutes

*Answer all the questions on your Objective Test answer sheet.*

1. Use **2B** pencil throughout.
2. On the pre-printed answer sheet, check that the following details are **correctly** printed:  
Your **surname** followed by your **other names**, the *Subject Name*, your *Index Number*, *Centre Number* and the *Paper Code*.
3. In the boxes marked *Candidate Number*, *Centre Number* and *Paper Code*, **reshade** each of the shaded spaces.
4. An example is given below. This is for a candidate whose name is Ellen Akua GARIBA. Her *index number* is 772384188 and she is writing the examination at *Centre Number* 77234. She is offering *Ghanaian Language and Culture Twi (Asante)* 1 and the *Paper Code* is 0131.

## THE WEST AFRICAN EXAMINATIONS COUNCIL, GHANA BASIC EDUCATION CERTIFICATE EXAMINATION OBJECTIVE ANSWER SHEET

CANDIDATE NAME: <b>GARIBA ELLEN AKUA</b>	SUBJECT: GH. LANG. & CULT. <b>TWI (ASANTE) 1</b>
---	---

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Use 2B pencil, Press firmly.</li> <li>2. Answer each question by choosing one chosen like this: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/></li> <li>3. If you want to change an answer, erase your first mark completely.</li> </ol> | <ol style="list-style-type: none"> <li>4. If only four alternative answers are given</li> <li>5. Your question paper may have fewer than 60 questions.</li> </ol> |
|--|---|

CANDIDATE NUMBER										CENTRE NUMBER					PAPER CODE			
7	7	2	3	8	4	1	8	8	7	7	2	3	4	0	1	3	1	For Supervisors only. If candidate is absent shade this space.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Answer all the questions.

Saa schwe yi mu nso, worentwere mmuaes no mu biara. Wode pensere bekeka adaka anaa faako a ese se wode mmuaes no hys wo mmuaes adaka no mu.

Wahyehye mmuaes adaka no, A, B, C, D, E. Se worebbua asemmisa bi a, hwehwe mmuaes a efata no ansa na woakeka n'afa no mu wo adaka no mu. Woye bi de aye nhwesoo akyerε wo senea ese se woye no fa.

Okasa a edidi soɔ yi mu, wasan asemfua baako bi ase. Afei wode nsemfua nan bi ahyehye aseε ho. Kyere emu baako a ene nea wasan aseε no bo abira.

Wiase ha ohiani asem ye mmobo.

- A. odeyefoo
- B. onimdefoo
- C. ahoođenfoo
- D. odefoo

Se wohwe a, wobehu se odefoo ne asemfua a ene ohiani bo abira. Enti woakeka D no mu wo mmuaes adaka no mu.

A  B  C  D  E

Afei ko so ye nea edidi soɔ yi saa ara kosi se wobebua nsemmisa no nyinaa awie.

Yi mmuaes A- D yi mu baako a eye pa ara a sfa Akanfoo nkyea, edin ne abusuabo ho.

1. Se wowo obi Fiada a eye dabone a, wobefre no .....
  - A. Kofi Anto
  - B. Afia Fofie
  - C. Afia Tano
  - D. Kofi Kyini
2. Des edidi soɔ yi mu des ewo he na eye Akradin?
  - A. Akwasi
  - B. Kwakye
  - C. Tawia
  - D. Piesie
3. Se obi di Takyi ne Kuro akyi pee a wofre no sen?
  - A. Tawia
  - B. Konto
  - C. Mensa
  - D. Tuakosem
4. Kune ye .....
  - A. Ahotedin
  - B. Abosomdin
  - C. Nnonkodin
  - D. Akradin

5. Des ədidi soɔ yi mu deɛ ɛwɔ he na ɛye Akanfoɔ bɛ a ɛfa abadintɔ ho?  
 A. Bosom pa na yeto no badin.  
 B. Onua pa na yeto no badin.  
 C. Honhom pa na yeto no badin.  
 D. Saman pa na yeto no badin.
6. Awaregyaɛ .....  
 A. de animuonyam ba onipa so  
 B. ma abusua ase trɛ  
 C. de ɔdɔ ba abusua ntam  
 D. ma mmɔfra kɔ ahokyerɛ mu.
7. Sɛ obi wu a deɛ ɔfa owufɔɔ no mma ne n'agyapadeɛ hwɛ so no aye deen?  
 A. Wafom owufɔɔ no adeɛ.  
 B. Wadi owufɔɔ no adeɛ.  
 C. Wafa owufɔɔ no adeɛ.  
 D. Wanya owufɔɔ no adeɛ.
8. Akanman mu sɛ ..... nsaɛ a, wɔfaaseɛ nni adeɛ.  
 A. niwaamma  
 B. agyamma  
 C. nkyirimma  
 D. kuromma
- Fa mmuaɛ A– D yi mu baako a ɛye pa ara a ɛfa Akanfoɔ gyidie, owuo, bragorɔ ne awaregyɛ ho.*
9. Hwan na wɔkye no dedua?  
 A. obi a wanka ntam.  
 B. obi a waka ntam.  
 C. obi a n'ani agye.  
 D. obi a ɔrebu dua.
10. Ntam ahodɔɔ yi mu deɛ ɛwɔ he na ɛye adekorɔ?  
 A. Ntamkumaa ne Ntamkɛsɛɛ  
 B. Ntamkɔkɔɔ ne Ntamkumaa  
 C. Ntamkɛsɛɛ ne Ntamkɔkɔɔ  
 D. Ntamkɔkɔɔ ne Ntamfitaa
11. Sɛ ɔbaa bi firi ne kunu akyi ne ɔbarima foforɔ bi kɔda a, Akanfoɔ ka sɛ ɔbaa no .....  
 A. abɔ adwaman  
 B. adi mogyafra  
 C. adwira ne ho  
 D. aka ntam
12. Afaseɛ ye bosom ..... akyiwadeɛ.  
 A. Po  
 B. Twe  
 C. Pra  
 D. Akɔm

13. Suban pa a εboa ma yetumi de εdehyεε bi di hene no bi ne .....
- nyansa, nsadwam, ntεkwape
  - ntεkwape, akokoduro, atorε
  - tufoantie, ahobreaseε, akokoεduro
  - abotare, ahobreaseε, akokoεduro
14. Akanfoε de εhene foforε no ..... ma Ankεbeahene kyerskyerε no akonwa no ho nnoεma a εfata.
- tena pata mu
  - kε nsuo ho
  - tena kodoε mu
  - tena apakan mu
15. Dee εdidi soε yi mu dee εwε he na yetumi gyina so si εhene foforε?
- Sε nana tia ne nan akyi a
  - Sε nana bε n'ano twedeε a
  - Sε nana kε akuraa a
  - Sε nana yi n'ani so a
16. Dee εdidi soε yi mu dee εwε he na εnye nokorε wε Akanman mu?
- Obi wu a ne sunsum firi ne mu.
  - Obi wu a εnni baabiara kε.
  - Owuo ye akwantuo.
  - Obi wu a εkε asamando.
17. Hwan na Akanfoε ye no asonyie?
- εpanin
  - εbofoε
  - εhene
  - εnwenfoε
18. Yei ye Akanfoε ayipa ho nhyehyεε nnidisoε nnidisoε.
- Sikasa, pesire, dεteyie
  - Pesire, dεteyie, sikasa
  - Dεteyie, pesire, sikasa
  - Dεteyie, sikasa, pesire
19. Akanfoε frε nnoεma a abusuafoε ne adεfoε de bεgya owufoε bi kwan sε .....
- Adεsoa
  - Asiedεε
  - Nsowa
  - Amoaseε
20. .... ye bosome a edi kan wε afe mu.
- εpenimaa
  - εgyefoε
  - εbenem
  - εpεpεn

21. Ebo to so sen wo afe mu?  
 A. Nson  
 B. Nkron  
 C. Nsia  
 D. Du
22. Se Akanfo di Akwasidae a, ne dadu nnanum ye .....  
 A. Awukudae  
 B. Nkyi Bena  
 C. Fofie  
 D. Fodwo
23. Wo Akanfo nnabuo mu no, Akwasidae ahodo sen na ewo afe biara mu?  
 A. Dunum  
 B. Adaduanan  
 C. Nkron  
 D. Dunkron
24. Hyehe bosome a edidi so yi nnidiso nnidiso.  
 A. Ahineme, Obubuo, Openimma  
 B. Obubuo, Openimma, Ahineme  
 C. Openimma, Ahineme, Obubuo  
 D. Obubuo, Ahineme, Openimma
25. Adee Kesse ye afahye bi a ..... di.  
 A. Aburifo  
 B. Domaafu  
 C. Asantefu  
 D. Simpafu
26. Afahye boa nea edidi so yi nyinaa gye .....  
 A. Akobofu ba fie  
 B. Anigye ba kurom  
 C. Adwadie ko so  
 D. Mmusuo ba kurom
27. Dee edidi so yi mu dee ewo he na eye sononko?  
 A. Hamowo  
 B. Edena  
 C. Odwira  
 D. Kundum
28. Agoro a edidi so yi mu dee ewo he na mmaayewa nko ara di?  
 A. Antoakyire  
 B. Anansesem  
 C. Dua o, dua!  
 D. Ampe

29. Adwumayefoɔ a wɔkɔ po kɔyi nam no, wɔfrɛ wɔn sɛn?
- Afarefoɔ
  - Mpoanofoɔ
  - Fantefoɔ
  - Nhyɛmafoɔ
30. Yɛde te kookoo, ankaa ne nnuaba a ɛwowa soro pa ara.
- Asɔ
  - Sɔsɔ
  - Tabono
  - Asɔsɔa
31. Nsɛm a Akanfoɔ ka de hyɛ anansesɛm ase no de sɛn?
- Aho
  - Ofre
  - Ahyɛase
  - Nnyesɔ
32. *Siisiisii sii nana koo .....* Nwom ben nie?
- Mmɔfra nnwom
  - Agorɔ nnwom
  - Okɔ nnwom
  - Abɔfodwom
33. Mmarima nko ara na wɔdi agorɔ yi.
- Mpeewa
  - Ntɛsie
  - Ahyehyɛaba
  - Asɔba
34. Wɔnto dwom wɔ agorɔ a edidi sɔɔ yi baako ase.
- Ampe
  - Anansesɛm
  - Pempenaa
  - Oware
35. Yɛde hyire bɔ obi a na ɛkyerɛ sɛ .....
- ne werɛ aho
  - wadi nkonim
  - wadi nkoguo
  - ɔrekɔpɛ adwuma ayɛ
36. Sɛ obi resa na wɔpɛ sɛ wɔbɔ n'abaso a, nsɛnkyerɛnne bɛn na wɔyɛ kyerɛ no?
- Wɔde wɔn nsateaa sensan fam.
  - Wɔde wɔn nansoaa sensan fam.
  - Wɔtene wɔn kokurobeti kyerɛ soro.
  - Wɔpagya wɔn nsateaa mmienu kyerɛ no.

37. *Okoto nwo anomaa. Eys .....*
- A. nnyeso-be
  - B. abebudee
  - C. asem-se-be
  - D. ebe turodoo
38. Toa ebe yi so. *Wo kurom pete di wo nam a .....*
- A. ebi ka
  - B. enso no
  - C. obetua
  - D. enye
39. Agya adee bi wo ho, ne tiri mpae no da. Eys deen?
- A. Owo
  - B. Denkyem
  - C. Okoto
  - D. Amane
40. Aden nti na Akanfoe de abisaa di dwuma wo won asetena mu?
- A. Wompe bra.
  - B. Ema mmofra kasa ntem.
  - C. Ema mmofra hys adee nso.
  - D. Wape bra.

***END OF PAPER***

P020/1 BECE  
February 2021  
SOCIAL STUDIES 1  
Objective  
45 minutes

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL  
GHANA

**Basic Education Certificate Examination**

February 2021

SOCIAL STUDIES 1  
OBJECTIVE TEST

45 minutes

Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.

The Paper will last 45 minutes.

Answer all the questions on your Objective Test answer sheet.

- Use 2B pencil throughout.
- On the pre-printed answer sheet, check that the following details are correctly printed: Your surname followed by your other names, the Subject Name, your Index Number, Centre Number and the Paper Code.
- In the boxes marked Candidate Number, Centre Number and Paper Code, reshad e each of the shaded spaces.
- An example is given below. This is for a candidate whose name is Joan Esi AMU. Her index number is 772384188 and she is writing the examination at Centre Number 77234. She is offering Social Studies 1 and the Paper Code is 0201.

THE WEST AFRICAN EXAMINATIONS COUNCIL, GHANA  
BASIC EDUCATION CERTIFICATE EXAMINATION  
OBJECTIVE ANSWER SHEET

CANDIDATE NAME: AMU JOAN ESI	SUBJECT: SOCIAL STUDIES 1
---------------------------------	------------------------------

- |  |   |
|--|---|
| 1. Use 2B pencil, Press firmly.  | 4. If only four alternative answers are given for each question, ignore the letter E. |
| 2. Answer each question by choosing one letter and then, shade through the letter chosen like this <input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E | 5. Your question paper may have fewer than 60 questions.                              |
| 3. If you want to change an answer, erase  |   |

CANDIDATE NUMBER										CENTRE NUMBER					PAPER CODE				For Supervisors only. If candidate is absent shade this space.
7	7	2	3	8	4	1	8	8	7	7	2	3	4	0	2	0	1		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Answer **all** the questions.

Each question is followed by **four** options lettered **A** to **D**. Find the correct option for each question and shade **in pencil** on your answer sheet the space which bears the same letter as the option you have chosen. Give only **one** answer to each question. An example is given below.

The capital city of Ghana is

- A. Accra.
- B. Cape Coast.
- C. Kumasi.
- D. Tamale.

The correct answer is Accra, which is lettered **A** and therefore answer space **A** would be shaded.



B

C

D

Think carefully before you shade the answer spaces; erase completely any answer you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

1. Private enterprises are established to
  - A. make profits for themselves.
  - B. provide for the needy.
  - C. provide insurance.
  - D. pay tax to government.
  
2. Which of the following languages is **not** found in the Northern parts of Ghana?
  - A. Gonja
  - B. Sisala
  - C. Dagbani
  - D. Nzema
  
3. The power to rule a democratic country is determined by the
  - A. majority of the citizens.
  - B. members of the judiciary.
  - C. majority of military chiefs.
  - D. majority of paramount chiefs.
  
4. Cocoa farming is classified under which of the following industries?
  - A. Secondary industry
  - B. Primary industry
  - C. Tertiary industry
  - D. Cottage industry
  
5. Thick dark clouds, thunder and lightning are characteristics of
  - A. Relief rainfall.
  - B. Convectional rainfall.
  - C. Cyclonic rainfall.
  - D. Frontal rainfall.

6. A national obligation which ensures peace and harmony of citizens at all times is
- A. paying of taxes.
  - B. solving internal problems.
  - C. being law abiding.
  - D. attending communal labour.
7. Which of the following **best** defines economic development?
- A. Increase in the population
  - B. Increase in the national income
  - C. Improvement in the conditions of the people
  - D. Building of more roads
8. Which of the following vegetation is found in Northern Ghana?
- A. Mangrove swamp
  - B. Deciduous forest
  - C. Guinea Savannah
  - D. Semi-deciduous forest.
9. The **highest** authority in the traditional area is the
- A. Divisional chief.
  - B. Clan head.
  - C. Paramount chief.
  - D. Lineage head.
10. Flooding in **major** towns and cities can be reduced by
- A. empowering the youth.
  - B. keeping drains clean.
  - C. weeding along drains.
  - D. payment of taxes.
11. Ghana cooperates with other nations in order to
- A. eradicate hunger.
  - B. reduce rapid population growth.
  - C. increase growth in foreign trade.
  - D. receive help in times of need.
12. Which of the following attitudes is **not** positive?
- A. Accountability
  - B. Punctuality
  - C. Idleness
  - D. Honesty

13. The **most** effective agent of cultural change is
- A. music.
  - B. drama.
  - C. language.
  - D. education.
14. In which year did British Togoland join Gold Coast (Ghana)?
- A. 1948
  - B. 1951
  - C. 1956
  - D. 1957
15. The form of education aimed at making the individual acquire expertise in a particular vocation is called
- A. training.
  - B. productivity.
  - C. work.
  - D. profession.
16. Some societies resist cultural change because
- A. of the western style of contracting marriage.
  - B. of colonization and the use of foreign language.
  - C. the new ways of life fail to solve their problems.
  - D. the change occurs in a gradual manner.
17. Government policies are implemented at the District level by the
- A. Presiding Member.
  - B. Chief Executive.
  - C. Co-ordinating Director.
  - D. Regional Minister.
18. Government supports private businesses because it can derive
- A. income.
  - B. security.
  - C. taxes.
  - D. profits.
19. Which of the following is **not** a man-made feature?
- A. Bridge
  - B. Settlement
  - C. Farm
  - D. River
20. A fundamental right of a Ghanaian is
- A. personal liberty.
  - B. personal attention .
  - C. personal democracy.
  - D. personal accommodation.

21. Productivity of workers can be low because of
- A. high level of employment.
  - B. adequate resources.
  - C. poor work attitudes.
  - D. poor housing.
22. In which of the following vegetative belts is cocoa commonly grown?
- A. Mangrove forest
  - B. Tropical rain forest
  - C. Sudan Savannah
  - D. Guinea Savannah
23. The District Assemblies in Ghana are headed by
- A. District Executive Members.
  - B. District Presiding Members.
  - C. District Assembly Executives.
  - D. District Chief Executives.
24. A business enterprise formed by two to fifty people is
- A. Sole proprietorship.
  - B. Co-operative society.
  - C. Partnership.
  - D. Private joint stock company.
25. The **best** way to protect the environment is
- A. obeying environmental laws.
  - B. legislation of flexible laws.
  - C. planting of more trees.
  - D. legalizing national sanitation day.
26. Which of the following factors promotes political stability in a country?
- A. Food security
  - B. Rule of law
  - C. Free education
  - D. Rigid constitution
27. Ghanaians can be educated on the benefits of leisure through
- A. beautifying tourist sites.
  - B. providing adequate security.
  - C. publicity and access to information.
  - D. reducing entry fees to tourist sites.
28. Latitude  $66\frac{1}{2}^{\circ}$  South is also known as
- A. Arctic Circle.
  - B. Antarctic Circle.
  - C. Greenwich Meridian.
  - D. Great Circle.

21. Productivity of workers can be low because of
- A. high level of employment.
  - B. adequate resources.
  - C. poor work attitudes.
  - D. poor housing.
22. In which of the following vegetative belts is cocoa commonly grown?
- A. Mangrove forest
  - B. Tropical rain forest
  - C. Sudan Savannah
  - D. Guinea Savannah
23. The District Assemblies in Ghana are headed by
- A. District Executive Members.
  - B. District Presiding Members.
  - C. District Assembly Executives.
  - D. District Chief Executives.
24. A business enterprise formed by two to fifty people is
- A. Sole proprietorship.
  - B. Co-operative society.
  - C. Partnership.
  - D. Private joint stock company.
25. The **best** way to protect the environment is
- A. obeying environmental laws.
  - B. legislation of flexible laws.
  - C. planting of more trees.
  - D. legalizing national sanitation day.
26. Which of the following factors promotes political stability in a country?
- A. Food security
  - B. Rule of law
  - C. Free education
  - D. Rigid constitution
27. Ghanaians can be educated on the benefits of leisure through
- A. beautifying tourist sites.
  - B. providing adequate security.
  - C. publicity and access to information.
  - D. reducing entry fees to tourist sites.
28. Latitude  $66\frac{1}{2}^{\circ}$  South is also known as
- A. Arctic Circle.
  - B. Antarctic Circle.
  - C. Greenwich Meridian.
  - D. Great Circle.

29. Who was the head of state of Ghana between 1954 and 1960?
- A. Dr. Kwame Nkrumah
  - B. Dr. J. B. Danquah
  - C. The Queen of England
  - D. Dr. K. A. Busia
30. An important feature that can **easily** be identified in a locality is a
- A. cardinal point.
  - B. conventional sign.
  - C. land mark.
  - D. physical map.
31. Which of the following **cannot** be considered as an example of environmental hazard?
- A. Desertification
  - B. Bush fire
  - C. Afforestation
  - D. Soil erosion
32. The institution which approves the nation's budget is the
- A. executive.
  - B. legislature.
  - C. judiciary.
  - D. finance ministry.
33. Which of the following economic activities is primary production?
- A. Food canning
  - B. Soap making
  - C. Sand winning
  - D. Peer teaching
34. As the earth rotates on its axis, it spins from
- A. East to West.
  - B. West to East.
  - C. South to North.
  - D. West to South.
35. Ghana is still **not** self-reliant because the country depends on
- A. foreign financial support.
  - B. crude agricultural tools.
  - C. primary industries.
  - D. subsistence agriculture.

36. The **major** benefit of tourism in Ghana is
- A. promotion of peace.
  - B. promotion of culture.
  - C. foreign exchange earnings.
  - D. bilateral trading.
37. Ghana approximately lies between latitudes
- A. 4° North and 12° North.
  - B. 5° North and 11° North.
  - C. 6° North and 12° North.
  - D. 7° North and 11° North.
38. One of the characteristics of a good law is that it should be
- A. applied equally.
  - B. approved by the electorate.
  - C. sympathetic to the poor.
  - D. favourable to the rich.
39. An effective approach to solving socio-economic problems of a country is through
- A. superstition and magic.
  - B. science and technology.
  - C. magic and witchcraft.
  - D. technology and magic.
40. The way of life of a group of people is their
- A. culture.
  - B. festival.
  - C. language.
  - D. food.

**END OF PAPER**

P020/2 BECE  
 February 2021  
 SOCIAL STUDIES 2 **2**  
 Essay  
 1 hour

<b>CANDIDATE'S NAME</b>	
<b>INDEX NUMBER</b>	<b>SIGNATURE</b>
<b>DATE:</b>	

**THE WEST AFRICAN EXAMINATIONS COUNCIL  
 GHANA**

**Basic Education Certificate Examination**

February 2021

SOCIAL STUDIES 2

1 hour

DIRECTIONS TO CANDIDATES

1. In the spaces provided above, insert your **Name, Full Index Number, normal Signature** and the **Date of Examination**.
2. Write on both sides of the paper unless otherwise instructed on the question paper.
3. Begin each answer to a question on a fresh page. Leave two lines between answers where these are sub-sections to the same question.
4. The questions are in **three** sections; **A, B** and **C**. Answer **three** questions in **all**, choosing **one** question from **each** section.
5. Write the **number of each question at the top of each page**.
6. **Under no circumstance should you work on any other paper or tear any part of the booklet.**
7. Write in the space provided below, the **NUMBERS OF THE QUESTIONS YOU HAVE ANSWERED** in the order in which you have written them.

<b>For Examiner's Use Only</b>	
<b>Question Number</b>	<b>Mark</b>
<b>TOTAL</b>	

Write the  
Question  
Number in  
this column

This paper consists of **three** sections: **A**, **B** and **C**. Answer **three** questions **only**, choosing **one** question from **each** section.

All questions carry **equal** marks.

Answer all the questions in your answer booklet.

Credit will be given for clarity of expression and orderly presentation of material.

SECTION A  
THE ENVIRONMENT

Answer **one** question **only** from this section.

1. (a) Use the sketch map of Ghana in Fig.1 to determine the *direction* of the following towns:

Map of Ghana



Fig. 1

- (i) From Kumasi to Ho; [2 marks]  
(ii) From Kumasi to Bolgatanga; [2 marks]  
(iii) From Ho to Accra; [2 marks]  
(iv) From Ho to Bolgatanga. [2 marks]
- (b) With the aid of a diagram, describe the formation of cyclonic rainfall. [12 marks]
2. (a) (i) Define *environmental degradation*. [3 marks]  
(ii) List **five** human activities that cause environmental degradation. [5 marks]
- (b) Highlight **four** ways by which agricultural activities degrade the environment. [12 marks]

3  
SECTION B

GOVERNANCE, POLITICS and STABILITY

Answer **one question only** from this section.

3. (a) What do the following abbreviations stand for?
- (i) ECOWAS; [2 marks]
  - (ii) UNO; [2 marks]
  - (iii) UNESCO; [2 marks]
  - (iv) AU. [2 marks]
- (b) Highlight **four** ways in which Ghana cooperates with other countries. [12 marks]
4. (a) (i) What is a *constitution*? [2 marks]
- (ii) Differentiate between *written* and *unwritten* constitutions. [6 marks]
- (b) Highlight **four** benefits of the Ghanaian constitution. [12 marks]

SECTION C

SOCIAL AND ECONOMIC DEVELOPMENT

Answer **one question only** from this section.

5. (a) (i) List **four** proper ways of handling paper currency. [4 marks]
- (ii) State **four** problems that arise from poor handling of paper currency. [4 marks]
- (b) Highlight **four** measures by which entrepreneurs can take to sustain their businesses. [12 marks]
6. (a) (i) Differentiate between *Public* and *Private Enterprises*. [4 marks]
- (ii) State **two** characteristics of Private Enterprise. [4 marks]
- (b) Outline **four** ways by which productivity in the public sector can be improved. [12 marks]

**END OF PAPER**

P070/2&1 BECE  
 February 2021  
**INFORMATION AND COMMUNICATIONS TECHNOLOGY 2 & 1**  
 Essay and Objective  
 2 hours

# 2 & 1

Name.....  
 Index Number.....  
 Signature .....

Date of Examination .....

**THE WEST AFRICAN EXAMINATIONS COUNCIL**  
**GHANA**

**Basic Education Certificate Examination**

February 2021 INFORMATION AND COMMUNICATIONS TECHNOLOGY 2 & 1 2 hours

*Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name, index number, signature and date of examination in ink in the spaces provided above.*

*This booklet consists of two papers. Answer Paper 2 which comes first, in the booklet and Paper 1 on your Objective Test answer sheet. Paper 2 will last 1 hour 15 minutes. Do not start Paper 1 until you are told to do so. Paper 1 will last 45 minutes. At the end of the examination, submit the entire question paper to the invigilator.*

*Any candidate who tears off any part of the question paper will be severely penalized.*

*Whether you answer all the questions in this paper or not, hand in the entire question paper to the invigilator.*

For Examiner's Use Only	
Question Number	Mark
<b>TOTAL</b>	

This paper is in **two** sections: **A** and **B**. Answer Question 1 in Section A and any other **three** questions in Section B.

Answer **all** the questions in the spaces provided in this question paper. At the end of the examination, you should submit the **entire** question paper to the invigilator.

Any candidate who tears off any part of the question paper will be **severely** penalized. Whether you answer all the questions in this paper or not, hand in the **entire** question paper to the invigilator.

Credit will be given for clarity of expression and orderly presentation of material.

SECTION A  
[24 marks]

Answer Question 1.  
[Compulsory]

1. Study Figure 1 carefully and use it to answer questions 1(a) to (e):

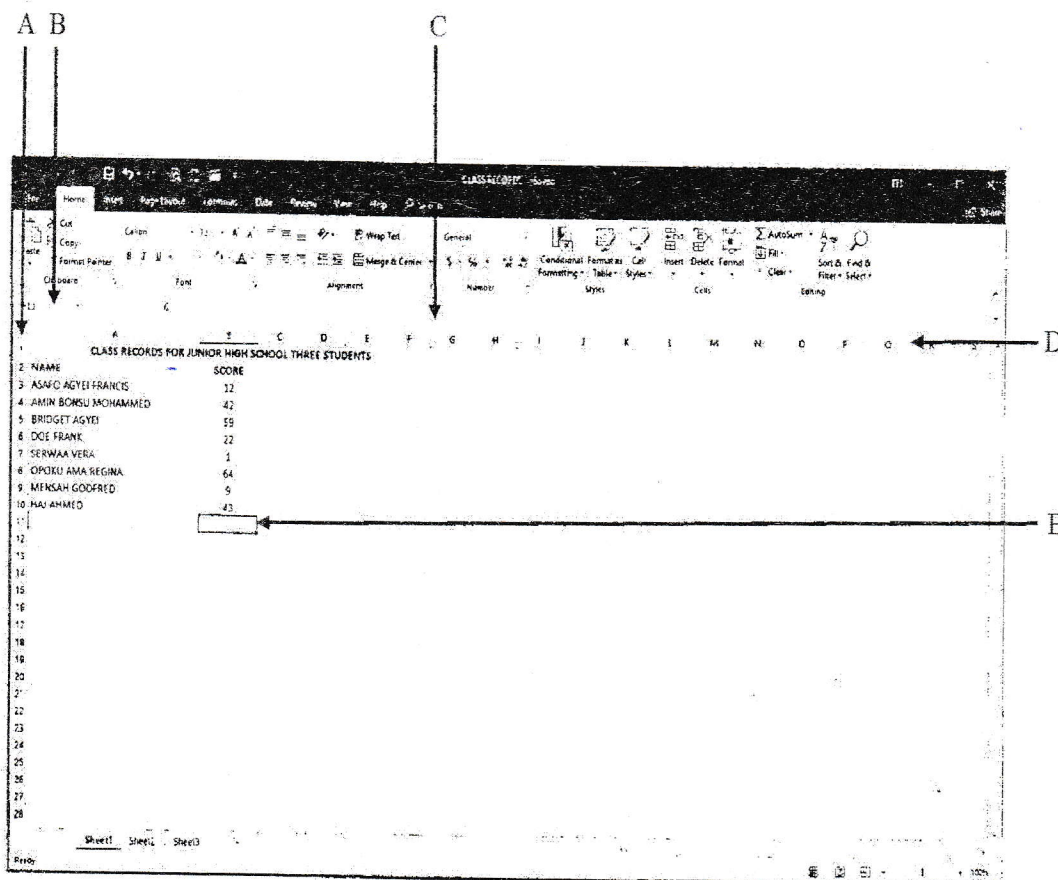


Figure 1

(a) Write the name of the image shown in Figure 1.

[2 marks]

(b) Write down the data in the following cells:

A2: .....

B3: .....

A5: .....

B6: .....

A7: .....

B10: .....

[6 marks]

(c) Name the parts labelled **A**, **B**, **C**, **D** and **E** in Figure 1.

A: .....

B: .....

C: .....

D: .....

E: .....

[10 marks]

(d) State **one** function **each** of the parts **B** and **C** as labelled in Figure 1.

(i) **B**: .....

.....

[2 marks]

(ii) **C**: .....

.....

[2 marks]

(e) Write down **two** types of application similar to Figure 1 that can perform the same function as Figure 1.

.....

.....

.....

[2 marks]

SECTION B  
[ 36 marks ]

Answer **three** questions **only** from this section.

2. (a) List **two** examples of:
- (i) input devices; .....  
.....  
[2 marks]
  - (ii) output devices; .....  
.....  
[2 marks]
  - (iii) storage media; .....  
.....  
[2 marks]
  - (iv) devices which serve both input and output purposes. ....  
.....  
[2 marks]

- (b) Write down the following acronyms in full.
- (i) HTML: .....  
.....  
[2 marks]
  - (ii) WYSIWYG: .....  
.....  
[2 marks]

3. (a) Explain the following terms in computing environment.
- (i) Printing; .....  
.....  
[3 marks]
  - (ii) Print preview. ....  
.....  
[3 marks]

- (b) State **three** advantages of previewing a document before printing:
- .....  
.....  
.....  
.....

4. (a) Identify and write down the name of the following features of a website address:

(i) **⋮**; .....  
.....  
[2 marks]

(ii) **//**; .....  
.....  
[2 marks]

(iii) **•** .....  
.....  
[2 marks]

(b) (i) What is an *address bar* of a web browser? .....  
.....  
.....  
.....  
[3 marks]

(ii) Outline the steps to follow in order to make an entry into an address bar of a web browser.  
.....  
.....  
.....  
.....  
.....  
[3 marks]

5. (a) Give the purpose of the following commands in an e-mail application:  
 (i) *Attach*; .....

.....

.....

..... [3 marks]

(ii) *Compose*. .....

.....

.....

..... [3 marks]

(b) Tick (✓) in the appropriate column of table 1 below to indicate whether the item is an *Application software* or a *System software*.

Table 1

Item	Application Software	System Software
Encarta		
Linux		
Spreadsheet		
Utility programs		
Word processor		
Windows 10		

[6 marks]

**END OF ESSAY TEST**



Answer **all** the questions.

Each question is followed by **four** options lettered A to D. Find the **correct** option for **each** question and shade in **pencil** on your answer sheet the answer space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below.

Which of the following is an input device?

- A. Monitor
- B. Stylus
- C. Projector
- D. Speaker

The correct answer is stylus which is lettered B and therefore answer space B would be shaded.       A  B       C       D       E

Think carefully before you shade the answer spaces. Erase completely any answer you wish to change.

Do all rough work on this question paper. Now answer the following questions.

1. An Operating System is a type of
  - A. utility software.
  - B. system software.
  - C. integrated software.
  - D. application software.
2. An electronic version of a document is called a
  - A. software.
  - B. softcopy.
  - C. hardcopy.
  - D. computer copy.
3. The following are features of the Random Access Memory **except**
  - A. it is volatile.
  - B. it is non-volatile.
  - C. it stores data temporarily.
  - D. it is accessible to the user.
4. Devices that translates data into a form that users can read are called
  - A. input devices.
  - B. output devices.
  - C. storage devices.
  - D. process devices.
5. Which of the following devices controls the pointer on-screen?
  - A. Mouse
  - B. Monitor
  - C. Scanner
  - D. Keyboard
6. An internal permanent store of memory which can be read but **cannot** normally be changed is the.....
  - A. CPU
  - B. DVD

7. An example of a storage device is a
  - A. monitor.
  - B. keyboard.
  - C. compact disc.
  - D. compact disc drive.
  
8. Which of the following options is **not** a secondary storage device?
  - A. Floppy Disk
  - B. Compact Disc
  - C. Flash Memory
  - D. Read Only Memory
  
9. The process of restarting a computer is termed
  - A. cold booting.
  - B. warm booting.
  - C. random booting.
  - D. random rebooting.
  
10. The command button used to exit applications in windows environment is the
  - A. close button.
  - B. restore button.
  - C. minimize button.
  - D. maximize button.
  
11. The start button is found on the
  - A. title bar.
  - B. task bar.
  - C. status bar.
  - D. system tray.
  
12. Which of the following options is **not** a default icon normally found on the desktop?
  - A. Recycle bin
  - B. My Pictures
  - C. My Computer
  - D. My Document
  
13. Which of the following options provides quick access to files and programs on the desktop?
  - A. Icon
  - B. Start menu
  - C. Notification area
  - D. Quick launch button
  
14. To end an application in computing is the same as to
  - A. run the application.
  - B. start the application.
  - C. close the application.
  - D. launch the application.
  
15. Deleting a file on a computer means
  - A. bolding the file.
  - B. resizing the file.
  - C. removing the file.
  - D. modifying the file.

16. The stages of the information processing cycle include
- A. receiving data and processing data.
  - B. receiving data and displaying results.
  - C. processing data and displaying results.
  - D. receiving data, processing data and displaying results.
17. The effect of loud noise is
- A. sound impairment.
  - B. noise impairment.
  - C. music impairment.
  - D. hearing impairment.
18. The effect of vision associated with prolonged viewing of television and computer screens is **best** controlled by
- A. sitting upright.
  - B. using mouse pad.
  - C. blinking the eyes regularly.
  - D. exercising the fingers regularly.
19. Which of the following statements is **true**?
- A. Always use the system unit without UPS.
  - B. Cover the computer system with moist material.
  - C. Run antivirus software on the system regularly.
  - D. Leave all devices connected to the system unit when switching the system off.
20. The **best** way of handling ICT tools is to
- A. update them regularly.
  - B. clean them once a while.
  - C. visit any website of your choice.
  - D. always allowing a colleague to use the system.
21. A simple public address system consists of the following **except**
- A. amplifier.
  - B. micro sim.
  - C. microphone.
  - D. power mixer.
22. The standard computer keyboard layout is technically referred to as
- A. BIOS.
  - B. ASCII.
  - C. ENIAC.
  - D. QWERTY.
23. Which of the following characters represent the left fingers home row keys on a standard keyboard?
- A. JKL
  - B. ASDF
  - C. FDSA
  - D. LMNO
24. The part of the computer mouse which normally displays a shortcut menu instruction when clicked is the
- A. left-button.
  - B. side-button.
  - C. right-button.

25. The default orientation for a word processing document is
- A. oval.
  - B. portrait.
  - C. rectangle.
  - D. landscape.
26. The feature that allows a text to automatically move to the next line when typing in word processing environment is the
- A. text wrap.
  - B. line wrap.
  - C. word wrap.
  - D. document wrap.
27. Double-clicking on a word in a word processing environment
- A. prints the word.
  - B. pastes the word.
  - C. copies the word.
  - D. selects the word.
28. To underline a word in a word processing environment, use the keyboard shortcut keys
- A. Ctrl + P.
  - B. Ctrl + V.
  - C. Ctrl + U.
  - D. Ctrl + X.
29. Which button on the title bar of an opened application is used to drop the application window onto the taskbar?
- A. Close
  - B. Restore
  - C. Minimize
  - D. Maximize
30. To preview a document, the user needs to click on the
- A. view button.
  - B. print button.
  - C. page layout button.
  - D. print preview and print button.
31. Which of the following options is **not** a feature of the internet?
- A. SMS
  - B. E-mail
  - C. Formatting
  - D. File transfer
32. The world wide network of computers that makes information available to users is the
- A. web.
  - B. link.
  - C. URL.
  - D. browser.
33. The computer program that helps users to access the internet is the
- A. website.
  - B. web page.
  - C. web browser.
  - D. web address.

25. The default orientation for a word processing document is
- A. oval.
  - B. portrait.
  - C. rectangle.
  - D. landscape.
26. The feature that allows a text to automatically move to the next line when typing in word processing environment is the
- A. text wrap.
  - B. line wrap.
  - C. word wrap.
  - D. document wrap.
27. Double-clicking on a word in a word processing environment
- A. prints the word.
  - B. pastes the word.
  - C. copies the word.
  - D. selects the word.
28. To underline a word in a word processing environment, use the keyboard shortcut keys
- A. Ctrl + P.
  - B. Ctrl + V.
  - C. Ctrl + U.
  - D. Ctrl + X.
29. Which button on the title bar of an opened application is used to drop the application window onto the taskbar?
- A. Close
  - B. Restore
  - C. Minimize
  - D. Maximize
30. To preview a document, the user needs to click on the
- A. view button.
  - B. print button.
  - C. page layout button.
  - D. print preview and print button.
31. Which of the following options is **not** a feature of the internet?
- A. SMS
  - B. E-mail
  - C. Formatting
  - D. File transfer
32. The world wide network of computers that makes information available to users is the
- A. web.
  - B. link.
  - C. URL.
  - D. browser.
33. The computer program that helps users to access the internet is the
- A. website.
  - B. web page.
  - C. web browser.
  - D. web address.

34. Which of the following addresses will help a teacher send message to his/her class?
- A. E-mail address
  - B. Source address
  - C. Website address
  - D. Destination address
35. In an e-mail concept, *bcc* means
- A. blank carbon copy.
  - B. black carbon copy.
  - C. blind carbon copy.
  - D. bulk carbon copy.
36. Copying information from the internet onto a computer is the same as
- A. saving.
  - B. pasting.
  - C. uploading.
  - D. downloading.
37. Which of the following applications uses Spreadsheet software?
- A. Excel
  - B. Writer
  - C. Norton
  - D. PageMaker
38. Which of the following software packages consists of cells arranged in rows and columns?
- A. Graphics
  - B. Spreadsheets
  - C. Presentations
  - D. Word processors
39. The intersection of the 8<sup>th</sup> row and 7<sup>th</sup> column in a spreadsheet application will have the cell referenced
- A. 8G.
  - B. G8.
  - C. 7H.
  - D. H7.
40. Mathematical calculations in Spreadsheets are made possible by the use of
- A. values.
  - B. letters.
  - C. numbers.
  - D. formulas.

**END OF PAPER**

P022/I BECE  
 February 2021  
**RELIGIOUS AND  
 MORAL EDUCATION 1** **1**  
 Objective  
 45 minutes

Name.....

Index Number.....

**THE WEST AFRICAN EXAMINATIONS COUNCIL  
 GHANA**

**Basic Education Certificate Examination**

PC 2021

RELIGIOUS AND MORAL EDUCATION 1  
 OBJECTIVE TEST

45 minutes

*Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.*

*The paper will last 45 minutes.*

*Answer all the questions on your Objective Test answer sheet.*

1. Use 2B pencil throughout.
2. On the pre-printed answer sheet, check that the following details are correctly printed: Your **surname** followed by your **other names**, the *Subject Name*, your *Index Number*, *Centre Number* and the *Paper Code*.
3. In the boxes marked *Candidate Number*, *Centre Number* and *Paper Code*, **reshade** each of the shaded spaces.
4. An example is given below. This is for a candidate whose name is Ellen Akua GARIBA. Her *index number* is 772384188 and she is writing the examination at *Centre Number* 77234. She is offering *Religious and Moral Education 1* and the *Paper Code* is 0221.

**THE WEST AFRICAN EXAMINATIONS COUNCIL  
 GHANA  
 BASIC EDUCATION CERTIFICATE EXAMINATION  
 OBJECTIVE ANSWER SHEET**

CANDIDATE NAME: GARIBA ELLEN AKUA	SUBJECT: RELIGIOUS AND MORAL EDUCATION 1
--------------------------------------	---

- |   |   |
|---|---|
| 1. Use 2B pencil. Press firmly.   | 4. your first mark completely.  |
| 2. Answer each question by choosing one letter and then, shade through the letter chosen like this. A = <input checked="" type="checkbox"/> B = <input type="checkbox"/> C = <input type="checkbox"/> D = <input type="checkbox"/> E = <input type="checkbox"/> | 4. If only four alternative answers are given for each question, ignore the letter E. |
| 3. If you want to change an answer, erase   | 5. Your question paper may have fewer than 60 questions.                              |

CANDIDATE NUMBER										CENTRE NUMBER					PAPER CODE			
7	7	2	3	8	4	1	8	8	7	7	2	3	4	0	2	2	1	For Supervisors only. If candidate is absent shade this space. <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Answer **all** questions.

Each question is followed by **four** options lettered **A** to **D**. Find the correct option for each question and shade in **pencil** on your answer sheet the answer space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below.

The last book of the Bible is

- A. The Gospel according to St. John.
- B. The Epistle to the Romans.
- C. The Revelation of St. John.
- D. The Epistle of Jude.

The correct answer is The Revelation of St. John, which is lettered **C** and therefore answer space **C** would be shaded.

A

B

C

D

Think carefully before you shade the answer spaces; erase completely any answer you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

1. God is omnipotent because He
  - A. controls all things.
  - B. created the world.
  - C. knows every secret.
  - D. sees everything around.
  
2. Vegetation can **best** be protected through
  - A. creation of sacred grooves.
  - B. adopting shifting cultivation.
  - C. spraying with chemicals.
  - D. recycling of waste.
  
3. God's patience is reflected in a person's life when he or she
  - A. depends on him.
  - B. flees from sin.
  - C. shows kindness to others.
  - D. takes time in doing things.
  
4. The *Ewe* call God 'Mawu' which means
  - A. dependable.
  - B. holy.
  - C. greatest.
  - D. omniscient.
  
5. Prophet Muhammed (SAW) encouraged Muslims to keep away from forbidden things in order to
  - A. avoid punishment.
  - B. gain respect from others.
  - C. receive good things.
  - D. obtain forgiveness.

Answer **all** questions.

Each question is followed by **four** options lettered **A** to **D**. Find the correct option for each question and shade in **pencil** on your answer sheet the answer space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below.

The last book of the Bible is

- A. The Gospel according to St. John.
- B. The Epistle to the Romans.
- C. The Revelation of St. John.
- D. The Epistle of Jude.

The correct answer is The Revelation of St. John, which is lettered **C** and therefore answer space **C** would be shaded.

A

B

C

D

Think carefully before you shade the answer spaces; erase completely any answer you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

1. God is omnipotent because He
  - A. controls all things.
  - B. created the world.
  - C. knows every secret.
  - D. sees everything around.
2. Vegetation can **best** be protected through
  - A. creation of sacred grooves.
  - B. adopting shifting cultivation.
  - C. spraying with chemicals.
  - D. recycling of waste.
3. God's patience is reflected in a person's life when he or she
  - A. depends on him.
  - B. flees from sin.
  - C. shows kindness to others.
  - D. takes time in doing things.
4. The *Ewe* call God 'Mawu' which means
  - A. dependable.
  - B. holy.
  - C. greatest.
  - D. omniscient.
5. Prophet Muhammed (SAW) encouraged Muslims to keep away from forbidden things in order to
  - A. avoid punishment.
  - B. gain respect from others.
  - C. receive good things.
  - D. obtain forgiveness.

6. The *Muezzin Adhan* in Islam is respected because he
  - A. is a teacher in Islam.
  - B. keeps the mosque clean.
  - C. leads Muslims in prayers.
  - D. summons Muslims up for prayers.
  
7. According to Jesus, the meek are blessed because they shall
  - A. be called sons of God.
  - B. be comforted.
  - C. inherit the earth.
  - D. see God.
  
8. Okomfo Anokye planted a sword at
  - A. Adum.
  - B. Bantama.
  - C. Kejetia.
  - D. Tafo.
  
9. Christians celebrate Easter to remember Jesus'
  - A. ascension.
  - B. birth.
  - C. burial.
  - D. resurrection.
  
10. The festival celebrated to mark the triumphant entry of Jesus into Jerusalem is known as
  - A. Ascension day.
  - B. Easter Sunday.
  - C. Good Friday.
  - D. Palm Sunday.
  
11. During traditional festivals, the cultural life of a people is **best** revealed
  - A. when spirits possess people.
  - B. on the durbar day.
  - C. when rituals are performed.
  - D. in the room of the sacred stools.
  
12. A basket, broom and cutlass shown to a baby during an outdoor ceremony symbolizes
  - A. bravery.
  - B. hard work.
  - C. responsibility.
  - D. truthfulness.
  
13. One of the emotional changes at puberty is
  - A. increase in body weight.
  - B. intelligence.
  - C. persistent crying.
  - D. rebellion.
  
14. The **first** stage in marriage starts when
  - A. a woman's family accepts a man's proposal.
  - B. parents of both parties agree on date of marriage.
  - C. the engagement ceremony is performed.
  - D. the man pays the bride wealth.

15. The pillar of confession of faith in Islam is known as
- Ihram.
  - Khalimat Shahada.
  - Tarawih.
  - Sawm.
16. The initiation rite of Christians after baptism is known as
- confirmation.
  - ordination.
  - Holy Communion.
  - Holy matrimony.
17. Standing bare-chested when offering libation demonstrates
- authority and power to the spirits.
  - fear and respect for the gods.
  - hard work and love for the gods.
  - purity and simplicity of the believer.
18. *Allahu Akbar* is recited during *salat* when worshippers
- fold arms over their chests.
  - raise hands towards their ears.
  - turn their heads left and right.
  - wipe hands over their faces.
19. Students dress decently when they
- expose their underwears.
  - fasten their belts loosely.
  - leave their shoes unlaced.
  - tuck in their shirts.
20. Greeting is considered a decent act because it
- ensures discipline.
  - promotes success.
  - erodes enmity.
  - gains trust.
21. The best way the youth can avoid sexually transmitted infections is by
- acquiring sex education.
  - abstaining from sex.
  - having one sex partner.
  - using condoms.
22. One effect of HIV/AIDS on the community is
- loss of productive lives.
  - loss of property.
  - poor blood transfusion.
  - reduction in chastity.
23. In traditional society, the bee is seen as an example of
- commitment.
  - hard work.
  - strength.
  - unity.

24. Which of the following attitudes is **not** approved in the Qur'an?  
A. Courage  
B. Humility  
C. Retaliation  
D. Steadfastness
25. The book of Proverbs teaches that pride goes with shame while humility goes with  
A. favour.  
B. ignorance.  
C. reproach.  
D. wisdom.
26. The **sixth** commandment in the Bible warns Christians **not** to  
A. fornicate.  
B. gossip.  
C. kill.  
D. steal.
27. Verbal rewards are offered in the form of  
A. clapping and praises.  
B. appellation and handshakes.  
C. rebukes and ridicules.  
D. commendations and certificates.
28. A punishment given out for a crime to an offender is termed  
A. reformation.  
B. rehabilitation.  
C. retribution.  
D. revenge.
29. One sure way of showing repentance is to  
A. avoid repeating mistakes committed.  
B. discuss the offence with a friend.  
C. show love to your enemy.  
D. study the scriptures very well.
30. When an individual is **not** able to follow the acceptable behaviours of society, the person is said to be  
A. dishonoured.  
B. disobedient.  
C. immoral.  
D. unfaithful.
31. People abuse substances because they  
A. want happiness.  
B. are ignorant.  
C. want to overcome problems.  
D. want to revenge.
32. Which of the following attitudes promote good family relationship? Being  
A. defensive and supportive.  
B. selfish and hard working.  
C. obedient and respectful.  
D. impolite but sincere.

33. Punishments are instituted in order to
- A. provide knowledge to offenders.
  - B. inflict pains on people.
  - C. check misdeeds of people.
  - D. show love for people.
34. Which of the following options is a command of God?
- A. Comportment
  - B. Courtesy
  - C. Obedience
  - D. Relationship
35. Which of the following behaviours leads to peaceful co-existence in society?
- A. Appreciation of others' religion
  - B. Being obedient to parents
  - C. Regular worship of God
  - D. Running errands for authorities
36. Human beings work in order to
- A. receive God's blessing.
  - B. live long on earth.
  - C. get promotion.
  - D. earn a living.
37. Budget planning helps the individual to
- A. buy expensive things.
  - B. control expenditure.
  - C. earn more money.
  - D. save more in the banks.
38. Time consciousness is best demonstrated by the activities of the
- A. parrot.
  - B. dove.
  - C. cock.
  - D. eagle.
39. Leisure time is profitably used when
- A. one attends classes regularly.
  - B. good sales are made.
  - C. relaxation takes place.
  - D. journeys are made.
40. The Catholic Youth Organization was established to
- A. educate the youth up to the tertiary level.
  - B. fight crusade wars for the church.
  - C. serve the Pope in the Vatican.
  - D. teach how to serve and not to be served.

**END OF PAPER**

P022/2 BECE  
 February 2021  
**RELIGIOUS AND MORAL EDUCATION 2**  
 Essay  
 1 hour

**2**

CANDIDATE'S NAME	
INDEX NUMBER	SIGNATURE
DATE:	

**THE WEST AFRICAN EXAMINATIONS COUNCIL**

**GHANA**

**Basic Education Certificate Examination**

PC 2021

RELIGIOUS AND MORAL EDUCATION 2  
 [60 marks]

1 hour

**DIRECTIONS TO CANDIDATES**

- In the spaces provided above, insert your Name, Full Index Number, normal Signature and the Date of Examination.
- Write on both sides of the paper unless otherwise instructed on the question paper.
- Begin each answer to a question on a fresh page. Leave two lines between answers where these are sub-sections to the same question.
- The questions are in **three** sections; **A, B** and **C**. Answer **three** questions in **all**, choosing **one** question from **each** section.
- Write the **number of each question at the top of each page**.
- Under no circumstance should you work on any other paper** or tear any part of the booklet. The question paper will be collected at the end of the test.
- Write in the space provided below, the **NUMBERS OF THE QUESTIONS YOU HAVE ANSWERED** in the order in which you have written them.

--

For Examiner's Use Only	
Question Number	Mark
<b>TOTAL</b>	

*This paper consists of three sections: A, B and C. Answer three questions only, choosing one question from each section.*

*All questions carry equal marks.*

*Answer all the questions in your answer booklet.*

*Credit will be given for clarity of expression and orderly presentation of material.*

**SECTION A**  
**RELIGION**

*Answer one question only from this section.*

1. (a) State **four** reasons for protecting the environment. [8 marks]
- (b) Explain **four** ways by which one can protect the environment. [12 marks]
2. (a) Narrate the Parable of the Dishonest Steward. [14 marks]
- (b) State **three** moral lessons that can be learnt from the parable. [6 marks]
3. (a) Describe how an animal sacrifice is made in the traditional society. [14 marks]
- (b) State **three** benefits of offering sacrifices. [6 marks]

**SECTION B**  
**MORAL LIFE**

*Answer one question only from this section.*

4. (a) Explain **four** reasons for which people show comportment. [12 marks]
- (b) Outline **four** ways of comporting oneself when provoked. [8 marks]
5. (a) State **four** deeds that attract rewards. [8 marks]
- (b) Explain **five** reasons for which God punishes people. [12 marks]

Write the  
Question  
Number in  
this column

6. (a) Explain the term *self-medication*. [4 marks]
- (b) List **three** examples of **each** of the following substances:  
(i) Common drugs; [3 marks]  
(ii) Stimulants. [3 marks]
- (c) Outline **four** challenges associated with self-medication. [10 marks]

**SECTION C**  
**SOCIAL LIFE**

*Answer one question only from this section.*

7. (a) State **four** effects of healthy family relationship. [8 marks]
- (b) Explain **four** reasons for which children should perform their responsibilities in the family. [12 marks]
8. (a) Explain the term *budget*. [4 marks]
- (b) Enumerate any **three** steps in planning a budget. [6 marks]
- (c) In what **four** ways can savings benefit the individual? [10 marks]

***END OF PAPER***

6. (a) Explain the term *self-medication*. [4 marks]
- (b) List **three** examples of **each** of the following substances:
- (i) Common drugs; [3 marks]
- (ii) Stimulants. [3 marks]
- (c) Outline **four** challenges associated with self-medication. [10 marks]

SECTION C  
SOCIAL LIFE

*Answer one question only from this section.*

7. (a) State **four** effects of healthy family relationship. [8 marks]
- (b) Explain **four** reasons for which children should perform their responsibilities in the family. [12 marks]
8. (a) Explain the term *budget*. [4 marks]
- (b) Enumerate any **three** steps in planning a budget. [6 marks]
- (c) In what **four** ways can savings benefit the individual? [10 marks]

***END OF PAPER***

Write the  
Question  
Number in  
this column

*This paper consists of three sections: A, B and C. Answer three questions only, choosing one question from each section.*

*All questions carry equal marks.*

*Answer all the questions in your answer booklet.*

*Credit will be given for clarity of expression and orderly presentation of material.*

**SECTION A**  
**RELIGION**

*Answer one question only from this section.*

1. (a) State **four** reasons for protecting the environment. [8 marks]
- (b) Explain **four** ways by which one can protect the environment. [12 marks]
2. (a) Narrate the Parable of the Dishonest Steward. [14 marks]
- (b) State **three** moral lessons that can be learnt from the parable. [6 marks]
3. (a) Describe how an animal sacrifice is made in the traditional society. [14 marks]
- (b) State **three** benefits of offering sacrifices. [6 marks]

**SECTION B**  
**MORAL LIFE**

*Answer one question only from this section.*

4. (a) Explain **four** reasons for which people show comportsment. [12 marks]
- (b) Outline **four** ways of comportsment oneself when provoked. [8 marks]
5. (a) State **four** deeds that attract rewards. [8 marks]
- (b) Explain **five** reasons for which God punishes people. [12 marks]

P033/1 BECE  
February 2021  
INTEGRATED  
SCIENCE 1  
Objective  
45 minutes

1

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL  
GHANA

Basic Education Certificate Examination

February 2021

INTEGRATED SCIENCE 1  
OBJECTIVE TEST

45 minutes

Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.

The paper will last 45 minutes.

Answer all the questions on your Objective Test answer sheet.

- Use 2B pencil throughout.
- On the pre-printed answer sheet, check that the following details are correctly printed: Your surname followed by your other names, the Subject Name, your Index Number, Centre Number and the Paper Code.
- In the boxes marked Candidate Number, Centre Number and Paper Code, reshade each of the shaded spaces.
- An example is given below. This is for a candidate whose name is Ellen Akua GARIBA. Her index number is 772384188 and she is writing the examination at Centre Number 77234. She is offering Integrated Science 1 and the Paper Code is 0331.

THE WEST AFRICAN EXAMINATIONS COUNCIL  
GHANA  
BASIC EDUCATION CERTIFICATE EXAMINATION  
OBJECTIVE ANSWER SHEET

CANDIDATE NAME: GARIBA ELLEN AKUA	SUBJECT: INTEGRATED SCIENCE 1
--------------------------------------	----------------------------------

- Use 2B pencil. Press firmly. your first mark completely.
- Answer each question by choosing one letter and then, shade through the letter for each question, ignore the letter E. chosen like this: A = B = C = D = E =
- If you want to change an answer, erase than 60 questions.



CANDIDATE NUMBER								CENTRE NUMBER					PAPER CODE			For Supervisors only. If candidate is absent shade this space.		
7	7	2	3	8	4	1	8	8	7	7	2	3	4	0	3		3	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	

Answer **all** the questions.

Each question is followed by four options lettered **A** to **D**. Find the **correct** option for **each** question and shade in **pencil** on your answer sheet the space which bears the same letter as the option you have chosen. Give only **one** answer to **each** question. An example is given below.

Which of the following substances is **not** an element?

- A. Aluminium
- B. Ammonia
- C. Oxygen
- D. Sodium

The correct answer is Ammonia, which is lettered **B** and therefore answer space **B** would be shaded.     A  B     C     D     E

Think carefully before you shade the answer spaces. Erase completely any answer you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

1. The egg from the ovary is released into the fallopian tube during
  - A. ovulation.
  - B. sperm production.
  - C. fertilization.
  - D. menstruation.
  
2. When Benedict's solution is used to test for sugar, the colour changes to
  - A. red.
  - B. violet.
  - C. brick-red.
  - D. blue-black.
  
3. Oxygen gas is represented by the chemical symbol  $O_2$ . This symbol represents two
  - A. ions of oxygen.
  - B. atoms of oxygen.
  - C. elements of oxygen.
  - D. molecules of oxygen.
  
4. Farmers prefer organic fertilizers to inorganic fertilizers because organic fertilizers
  - A. are environmentally friendly.
  - B. produce crops with excellent flavour.
  - C. have low drainage ability.
  - D. have high rate of erosion.
  
5. Endoparasites of farm animals can be controlled by
  - A. drenching.
  - B. dusting.
  - C. spraying.
  - D. hand-picking.

6. Two atoms of the same element with symbol  ${}^12_6\text{X}$  and  ${}^{14}_6\text{X}$  are different in their
- electron numbers.
  - proton numbers.
  - neutron numbers.
  - atomic numbers.
7. Nitrogen deficiency in the soil causes
- fruit drop.
  - yellowing of leaves.
  - poor seed formation.
  - purple colouration of leaves.
8. Which of the following statements describes a second class lever? The
- pivot is between load and effort.
  - effort is between load and pivot.
  - load is between pivot and effort.
  - effort and load are always equal.
9. The **hardest** part of the human tooth is the
- enamel.
  - dentine.
  - cement.
  - pulp.
10. A girl who was accidentally trapped in a cupboard died because
- only nitrogen was left in the cupboard.
  - greater part of the oxygen in the cupboard was used up.
  - carbon dioxide run short in the cupboard.
  - all the air in the cupboard was used up.
11. The **simplest** unit of protein is
- vitamins.
  - glucose.
  - fatty acid.
  - amino acid.
12. The **main** reason for stirring soil surfaces of garden beds is to
- ensure penetration of air.
  - promote growth of seedlings.
  - promote soil compaction.
  - limit activity of micro-organisms.
13. Which of the following diseases affects **both** cattle and humans?
- Typhoid
  - Buruli ulcer
  - Tuberculosis
  - African swine fever

14. The combining powers of sodium and oxygen atoms are 1 and 2 respectively. The chemical formula of a stable compound formed between sodium and oxygen is
- A. NaO.
  - B. Na<sub>2</sub>O.
  - C. Na<sub>2</sub>O<sub>2</sub>.
  - D. NaO<sub>2</sub>.
15. Which of the following devices is a simple machine?
- A. Tractor
  - B. Motor cycle
  - C. Sewing machine
  - D. Wheel and axle
16. Which of the following statements is **correct** about anions? They contain
- A. less protons than electrons.
  - B. more protons than electrons.
  - C. the same number of protons and electrons.
  - D. the same number of protons and neutrons.
17. A ball of mass 2.0 kg rolls with a velocity of 10 m/s. What is its kinetic energy?
- A. 5 J
  - B. 10 J
  - C. 20 J
  - D. 100 J
18. Hand trowel is used in farming to
- A. remove weeds.
  - B. level soil surface.
  - C. transplant seedlings.
  - D. turn manure during compost-making.
19. Which of the following substances contains natural acid?
- A. Vinegar
  - B. Wood ash
  - C. Saliva
  - D. Bile
20. Absorption of the end-product of digestion in the ileum is aided by the presence of the
- A. bile.
  - B. villi.
  - C. enzymes.
  - D. peristalsis.
21. An example of a fruit vegetable is
- A. cabbage.
  - B. carrot.
  - C. onion.
  - D. tomato.

22. A **common** method of sowing seeds on a nursery is by
- A. broadcasting.
  - B. transplanting.
  - C. pricking out.
  - D. ridging.
23. The standard unit of length is the
- A. centimetre.
  - B. decimetre.
  - C. metre.
  - D. millimetre.
24. Which of the following heavenly bodies is a source of heat and light?
- A. Mars
  - B. Sun
  - C. Moon
  - D. Earth
25. The instrument used to measure electric current is
- A. ammeter.
  - B. barometer.
  - C. voltmeter.
  - D. thermometer.
26. Why are some seeds nursed before transplanting?
- I. For proper care to be given.
  - II. Some of the seeds are too small.
  - III. It reduces competition for soil nutrient.
- A. I and II only
  - B. I and III only
  - C. II and III only
  - D. I, II and III
27. Which of the following types of manure is from an organic source?
- A. Compost
  - B. N. P. K
  - C. Urea
  - D. Muriate of potash
28. Which of the following substances is a mixture?
- A. Silver
  - B. Gold
  - C. Air
  - D. Hydrogen

29. The method of controlling the population of **both** larvae and pupae of mosquito is
- environmental.
  - chemical.
  - biological.
- I and II only
  - II and III only
  - I and III only
  - I, II and III
30. Determine the mass of a substance if its volume is  $5.0 \text{ cm}^3$  and it has a density of  $5.0 \text{ g cm}^{-3}$ .
- 1.0 g
  - 5.0 g
  - 10.0 g
  - 25.0 g
31. Water that **does not** lather readily with soap may contain
- $\text{Ca}^{2+}$ .
  - $\text{H}^+$ .
  - $\text{OH}^-$ .
  - $\text{SO}_4^{2-}$ .
32. The bottom of a pool of water appears closer to the surface than it is. Which of the following properties account for this observation?
- Rectilinear propagation
  - Transparency of water
  - Refraction
  - Reflection
33. What happens during the eclipse of the moon? The
- moon comes between the earth and the sun.
  - earth comes between the moon and the sun.
  - sun comes between the moon and the earth.
  - sun moves round the earth.
34. The appropriate apparatus for the separation of a mixture of water and kerosene is
- separating funnel.
  - evaporating dish.
  - filter funnel.
  - condenser.
35. The movement of dissolved plant nutrients from the upper layer to deeper layers of the soil is termed
- aeration.
  - capillarity.
  - erosion.
  - leaching.

36. When three resistors of different resistances are arranged in parallel, which of the following statements is/are **correct**?
- I. The same current flows through all of them.
  - II. Their effective resistance is greater than any one of them.
  - III. The current through them is not the same.
- A. I only
  - B. I and II only
  - C. II only
  - D. III only
37. Which of the following substances are **not** raw materials for photosynthesis?
- I. Chlorophyll
  - II. Carbon (IV) oxide
  - III. Water
  - IV. Oxygen
- A. I and IV only
  - B. I and III only
  - C. II and IV only
  - D. I, II and IV only
38. The component of air that supports burning is
- A. oxygen.
  - B. nitrogen.
  - C. hydrogen.
  - D. carbon dioxide.
39. Which of the following farming systems can lead to total crop failure?
- A. Crop rotation.
  - B. Mixed farming
  - C. Mixed cropping
  - D. Mono cropping
40. Balance the following chemical equation.
- $$\text{SO}_2 + \text{O}_2 \rightleftharpoons 2 \text{SO}_3$$
- A. 2
  - B. 1
  - C.  $\frac{1}{2}$
  - D. 3

**END OF PAPER**

P033/2 BECE  
 February 2021  
**INTEGRATED**  
**SCIENCE 2** **2**  
 Essay  
 1 hour 15 minutes

CANDIDATE'S NAME	
INDEX NUMBER	SIGNATURE
DATE:	

THE WEST AFRICAN EXAMINATIONS COUNCIL

GHANA

**Basic Education Certificate Examination**

February 2021

INTEGRATED SCIENCE 2  
 [100 marks]

1 hour 15 minutes

DIRECTIONS TO CANDIDATES

- In the spaces provided above, insert your Name, Full Index Number, normal Signature and the Date of Examination.
- Write on **both** sides of the paper unless otherwise instructed on the question paper.
- The questions are in **two** sections; **A** and **B**. Answer **five** questions in **all**, question **1** in section **A** and any other **four** questions from section **B**.
- Under no circumstance should you work on any other paper or tear any part of the question paper.** The question paper will be collected at the end of the test.
- Write in the space provided below, the **NUMBERS OF THE QUESTIONS YOU HAVE ANSWERED** in the order in which you answered them.

--

For Examiner's Use Only	
Question Number	Mark
<b>TOTAL</b>	

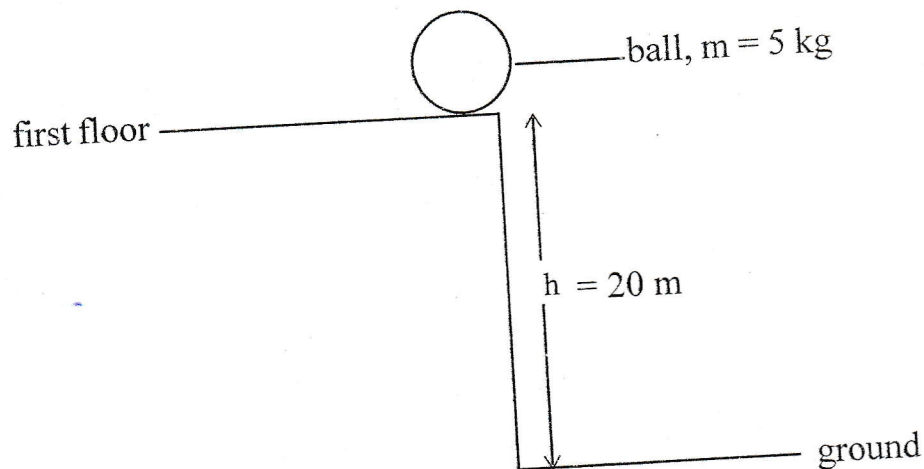
PAPER 2  
ESSAY  
[100 marks]

This paper is in **two** sections: **A** and **B**. Answer Question 1 in section A and any other **four** questions in section B. Answer **all** the questions in your question paper.  
Credit will be given for clarity of expression and orderly presentation of material.

SECTION A  
[40 marks]

Answer **all** of Question 1.

1. (a) The diagram below is an illustration of a ball of mass  $m = 5 \text{ kg}$  placed on the first floor of a storey building of height  $h = 20 \text{ m}$  above the ground. The ball was pushed and it fell to the ground.  
Study the diagram carefully and answer the questions that follow.



- (i) Name the energy possessed by the ball on the first floor.

.....  
[1 mark]

- (ii) State the type of force that acts on the ball as it falls to the ground.

.....  
[1 mark]

(iii) Calculate the energy possessed by the ball on the first floor.

.....

.....

.....

.....

.....

.....

[3 marks]

(iv) State the energy conversion as the ball falls.

.....

[1 mark]

(v) Calculate the value of the velocity just before the ball touches the ground.

.....

.....

.....

.....

.....

.....

[3 marks]

(vi) Name **two** types of force apart from the one stated in (ii).

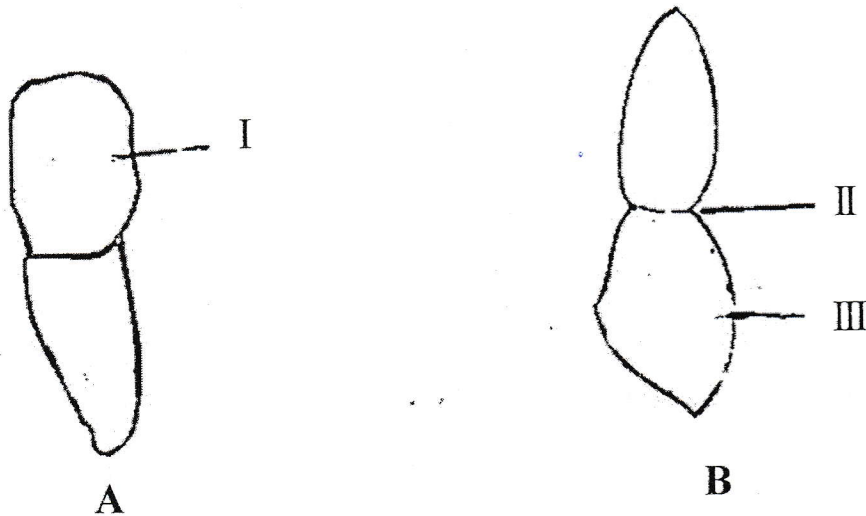
.....

.....

[2 marks]

[Take  $g = 10 \text{ m s}^{-2}$ ]

(b) The diagrams below are illustrations of two different types of tooth in humans. Study the diagrams carefully and answer the questions that follow.



(i) Name **each** of the teeth labelled **A** and **B**.

A.....

B.....

[2 marks]

(ii) Name **each** of the parts labelled I, II and III.

I.....

II.....

III.....

[3 marks]

(iii) State **two** structural differences between teeth **A** and **B**.

.....

.....

[2 marks]

(iv) State **one** function of **each** of the teeth labelled **A** and **B**.

A .....

B.....

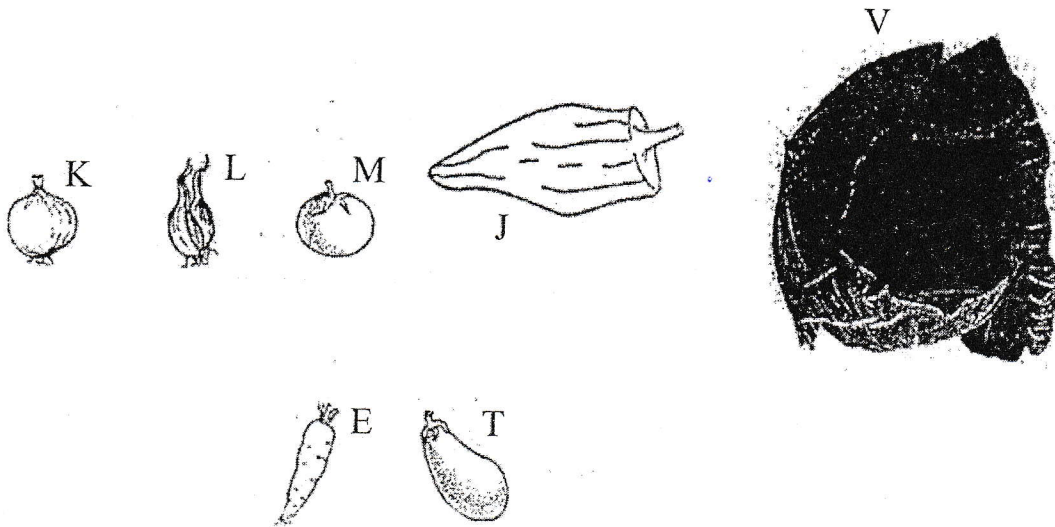
[2 marks]

(v) State **two** ways of caring for the teeth.

.....

.....

(c) The diagrams below are illustrations of various vegetable crops.  
 Study the diagrams carefully and answer the questions that follow.



(i) Identify **each** of the vegetables labelled M, J, T, and V.

M:.....

J:.....

T:.....

V:.....

(ii) Name the planting material used for propagating **each** of the vegetables labelled K and E. [4 marks]

K:.....

E:.....

(iii) Name the edible portion of the vegetable labelled V. [2 marks]

.....

(iv) State the cultural practice that is carried out on the vegetable labelled M: [1 mark]

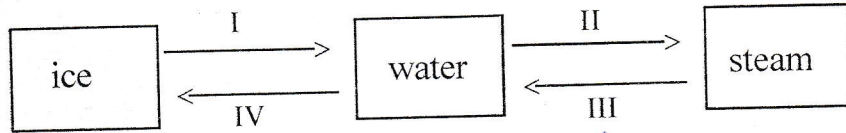
(α) to increase the size of the fruit;

(β) for a clean fruit to be harvested.

.....

[2 marks]

(d) The diagram below is an illustration to demonstrate how matter changes from one state to another.  
 Study the diagram and answer the questions that follow.



(i) State what takes place in **each** of the stages labelled I, II, III, and IV.

- I .....
- II .....
- III .....
- IV ..... [4 marks]

(ii) In which of the labelled stages is heat added?

..... [1 mark]

(iii) In which of the labelled stages is heat removed?

..... [1 mark]

(iv) What happens to the temperature in:  
 (α) Stage I?

.....  
 (β) Stage IV?

..... [2 marks]

(v) State how the particles in ice are arranged.

..... [1 mark]

SECTION B  
[60 marks]

Answer **four** questions **only** from this section.

2. (a) List **four** elements of climate.

.....  
.....  
.....  
.....  
.....

[4 marks]

(b) (i) Name **four main** parts of a complete flower.

.....  
.....  
.....  
.....

(ii) State the function of **one** of the parts named in (i).

.....

[5 marks]

(c) (i) Explain **briefly** the term *thinning out*.

.....  
.....

(ii) State **one** way in which pruning is important.

.....  
.....

[3 marks]

(d) (i) What is a *chemical change*?

.....  
.....

(ii) Name **one** solvent for sugar.

.....

[3 marks]

3. (a) (i) State **two** of the farming systems.

.....  
.....

(ii) State **three** factors that bring about the difference in the farming systems in crop production.

.....  
.....  
.....

[5 marks]

(b) Explain **briefly** why worn-out vehicle tyres should not be used on the vehicles.

.....  
.....  
.....

[3 marks]

(c) (i) What is *vegetative propagation*?

.....  
.....

(ii) Name the organ used to propagate **each** of the following plants vegetatively:

(α) Onions;

(β) Cocoyam.

.....  
.....

[4 marks]

(d) Draw the electron configuration for calcium atom showing the distribution of the electrons in its shell.

[Ca = 20]

.....  
.....  
.....  
.....  
.....  
.....

[3 marks]

4. (a) In an experiment to investigate the conditions necessary for rusting, one of the set-ups contained anhydrous calcium chloride:

(i) State the role of the anhydrous calcium chloride;

.....  
 .....

(ii) State **one** condition necessary for rusting.

.....  
 .....

[2 marks]

(b) (i) What are *vitamins*?

.....  
 .....

(ii) Name the deficiency disease of **each** of the following vitamins:

(α) A

(β) E

.....  
 .....

[4 marks]

(c) With the aid of a circuit diagram, explain **briefly** forward bias.

.....  
 .....  
 .....  
 .....  
 .....

[5 marks]

(d) Give **two** examples **each** of:

(i) compound machines;

.....  
 .....

(ii) simple machines.

.....  
 .....

[4 marks]

5. (a) Give the conditions necessary for seed germination.

.....  
.....  
.....  
.....

[4 marks]

(b) State **three** ways in which weeding is important in vegetable crop production.

.....  
.....  
.....  
.....

[3 marks]

(c) Describe **briefly** how ions are formed.

.....  
.....  
.....  
.....

[3 marks]

(d) The following instruments are used in the laboratory and in the home.  
*Use them to answer the questions that follow.*

- A. knife
- B. nut cracker
- C. broom
- D. pair of scissors

(i) What is the general name of the instruments?

.....  
(ii) State the class of **each** of the instrument listed A, B, C and D.

A.....  
B.....  
C.....  
D.....

[5 marks]

6. (a) (i) Explain the term *electric current*.

.....

(ii) Name the instrument used to measure electric current.

.....

(iii) State the S.I. unit of electric current.

.....

..... [4 marks]

(b) (i) State **three** ways in which pruning is important.

.....

.....

.....

.....

(ii) State **one** way in which soil water is important to plants.

.....

..... [4 marks]

(c) List **four** processes that can change matter from one state to another.

.....

.....

.....

.....

..... [4 marks]

(d) Tabulate **three** differences between *photosynthesis* and *respiration*.

P030/2&1 BECE  
February 2021  
MATHEMATICS 2&1  
Essay and Objective  
2 hours

# 2&1

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL  
GHANA

**Basic Education Certificate Examination**

February 2021

MATHEMATICS 2 & 1

2 hours

*Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions. Write your name and index number in the spaces provided above.*

*This booklet consists of two papers. Answer Paper 2 which comes first, in your answer booklet and Paper 1 on your Objective Test answer sheet. Paper 2 will last 1 hour after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last 1 hour.*

*The use of calculators is not allowed.*

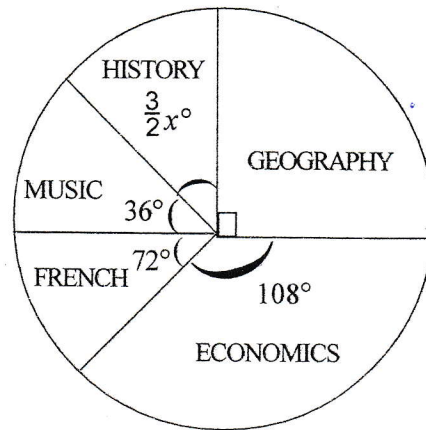
Answer **four** questions only.

All questions carry equal marks.

All working must be clearly shown. Marks will **not** be awarded for correct answers without corresponding working.

1. In an experiment, a sample of items with given numbers was selected for testing as follows:  
 $P = \{\text{item numbers divisible by 4 between 205 and 235}\};$   
 $Q = \{\text{item numbers which are multiples of 6 between 205 and 235}\}.$
- (a) List the members of sets  $P$  and  $Q$ .
- (b) Find:  
(i)  $P \cup Q;$   
(ii)  $P \cap Q.$
- (c) How many items were selected?
- (d) Which item numbers selected are divisible by 4 and 6?
2. (a) Solve:  $1 - 2q = 2 + \frac{q}{3}.$
- (b) Find the highest common factor of the following numbers: 20, 28 and 36.
- (c) The base of an isosceles triangle is 9 cm and one of the other sides is  $x$  cm.  
(i) Illustrate the information in a diagram.  
(ii) If the perimeter of the triangle is 21 cm, find the product of the other two sides.
3. (a) If  $x = \frac{1}{5}$  and  $y = -\frac{1}{2}$ , find the value of  $2x - 3y.$
- (b) Simplify:  $4\frac{3}{4} + 8\frac{1}{5} - 9\frac{1}{2}.$
- (c) A bank granted Mr Obodan a loan of GH¢ 720.00. If the rate is  $24\frac{1}{2}\%$  per annum simple interest, calculate the  
(i) interest at the end of the year;  
(ii) total amount he had to pay at the end of the year;  
(iii) remaining balance after paying GH¢ 500.00 at the end of the year.
4. (a) If  $P = \frac{Q}{A+B}$ , express  $B$  in terms of  $P$ ,  $Q$  and  $A.$
- (b) Afia and Esi contributed GH¢ 2,700.00 and GH¢ 1,800.00 respectively to start a business. They agreed to share the profit in the ratio 7 : 5 respectively. If the profit made was GH¢ 900.00, calculate:  
(i) the total contribution;  
(ii) Esi's share of the profit;  
(iii) Afia's share as a percentage of the total profit.

5. (a) The length of the minute hand of a wall clock is 7 cm. What area will the minute hand cover after one hour. [ Take  $\pi = \frac{22}{7}$  ]
- (b) The pie chart shows the favourite subjects of 200 students in a school.



NOT DRAWN TO SCALE

- (i) Find the value of  $x$ .
- (ii) Calculate the percentage of students whose favourite subject is economics.
- (iii) If a student is chosen at random, find the probability that his subject is French.
6. (a) A Ship sails due north from point **P** to a point **Q**, 4 km away. It then sails on a bearing of  $090^\circ$  to a point **R**, 3 km from **Q**.
- (i) Illustrate the information in a diagram.
- (ii) Find the length **PR**.
- (b) Mrs Adjei bought goods worth GH¢ 104,000.00 to sell in her shop. After taking stock at the end of the month, she realized that only GH¢ 4,059.00 worth of goods were left in the shop. Find the worth of goods sold.
- (c) The table shows the average monthly rainfall at Samproso from March, 2014 to September, 2014.

Month	March	April	May	June	July	August	September
Rainfall (mm)	154	145	277	450	267	142	98

Use the table to answer the following:

- (i) Find the average rainfall for the last three months;
- (ii) Which month recorded the **least** amount of rainfall?
- (iii) What is the total amount of rainfall recorded over the period?

**END OF ESSAY TEST**

**DO NOT TURN OVER THIS PAGE  
UNTIL YOU ARE TOLD TO DO SO.**

**YOU WILL BE PENALIZED SEVERELY IF YOU ARE  
FOUND LOOKING AT THE NEXT PAGE BEFORE  
YOU ARE TOLD TO DO SO.**

PAPER 1  
OBJECTIVE TEST

1 hour

*Answer all the questions on your Objective Test answer sheet.*

1. Use 2B pencil throughout.
2. On the pre-printed answer sheet, check that the following details are **correctly** printed:  
Your **surname** followed by your **other names**, the *Subject Name*, your *Index Number*, *Centre Number* and the *Paper Code*.
3. In the boxes marked *Candidate Number*, *Centre Number* and *Paper Code*, **reshade** each of the shaded spaces.
4. An example is given below. This is for a female candidate whose name is Ellen Akua GARIBA. Her *index number* is 772384188 and she is writing the examination at *Centre Number* 77234. She is offering *Mathematics 1* and the *Paper Code* is 0301.

**THE WEST AFRICAN EXAMINATIONS COUNCIL, GHANA  
BASIC EDUCATION CERTIFICATE EXAMINATION  
OBJECTIVE ANSWER SHEET**

CANDIDATE NAME: <b>GARIBA ELLEN AKUA</b>	SUBJECT NAME: <b>MATHEMATICS 1</b>
---	---------------------------------------

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Use 2B pencil, Press firmly.</li> <li>2. Answer each question by choosing one letter and then, shade through the letter chosen like this -A- <del>B</del> -C- <del>D</del> -E-</li> <li>3. If you want to change an answer, erase your first mark completely.</li> </ol> | <ol style="list-style-type: none"> <li>4. If only four alternative answers are given for each question, ignore the letter E.</li> <li>5. Your question paper may have fewer than 60 questions.</li> </ol> |
|--|---|

CANDIDATE NUMBER									CENTRE NUMBER					PAPER CODE			
7	7	2	3	8	4	1	8	8	7	7	2	3	4	0	3	0	1
<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>	<del>0</del>
<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>
<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>
<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>	<del>3</del>
<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>
<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>	<del>5</del>
<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>
<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>	<del>7</del>
<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>	<del>8</del>
<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>	<del>9</del>

For Supervisors only.  
If candidate is absent shade this space.



Answer all questions.

Each question is followed by four options lettered A to D. Find the correct option for each question and shade in pencil on your answer sheet the answer space which bears the same letter as the option you have chosen. Give only one answer to each question. An example is given below.

If  $3n + 2 = 8$ , find the value of  $n$ .

- A. 10
- B. 6
- C. 3
- D. 2

The correct answer is 2, which is lettered D and therefore answer space D would be shaded

A  B  C  D

Think carefully before you shade the answer spaces. Erase completely any answers you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

1. If  $M = \{2, 4, 6, 8, 10\}$  and  $N = \{4, 5, 6, 7, 8, 9\}$ , find  $M \cap N$ .
  - A.  $\{4, 6, 8\}$
  - B.  $\{4, 8\}$
  - C.  $\{2, 4, 5, 6, 7, 8, 9, 10\}$
  - D.  $\{4, 6\}$

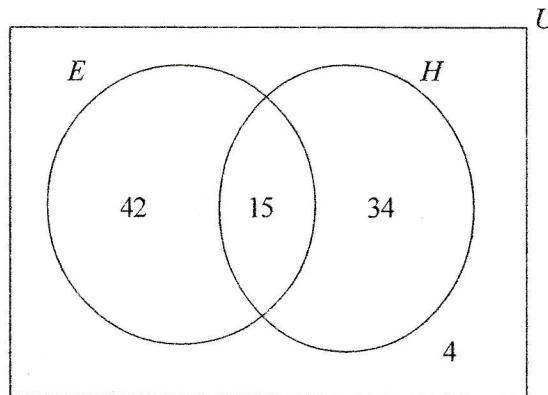
2. If  $0.000689 = 6.89 \times 10^n$ , find the value of  $n$ .
  - A. -4
  - B. -3
  - C. 3
  - D. 4

3. Evaluate:  $\frac{1}{2}[(7-3)-(4-10)]$ .
  - A. -5
  - B. -1
  - C. 1
  - D. 5

4. If  $-1(x-1) = -2$ , find the value of  $x$ .
  - A. 3
  - B. 2
  - C. -2
  - D. -3

5. Expand  $(t-1)(t+1) - 1$ .
  - A.  $t^2 + 1$
  - B.  $t^2 - 1$
  - C.  $t^2 + 2$

6. Ibrahim and Ama share GH¢1,500.00 between them in the ratio 2 : 3. Find Ama's share.
- GH¢ 300.00
  - GH¢ 500.00
  - GH¢ 600.00
  - GH¢ 900.00
7. If  $\frac{1}{t} = \frac{1}{3}$ , find the value of  $t$ .
- $\frac{1}{3}$
  - 1
  - $1\frac{1}{3}$
  - 3



The Venn diagram represents the number of people who speak English or Hausa or neither of the two languages in a Village. Use the information to answer questions 8 and 9.

8. How many people speak English **or** only Hausa?
- 42
  - 57
  - 76
  - 91
9. Find the number of people in the Village.
- 53
  - 80
  - 91
  - 95
10. What is the total cost of  $p$  books at GH¢ 7.00 each and  $q$  books at GH¢ 1.20 each?
- $7p + 1.20q$
  - $7q + 1.20p$
  - $7(p + 1.20q)$
  - $1.2(7p + q)$

11. Write  $\frac{1}{2}\%$  as a decimal numeral.
- A. 0.5
  - B. 0.05
  - C. 0.005
  - D. 0.0005
12. Solve:  $(3m - 1) + 2 \leq 14 + 4m$ .
- A.  $m \geq -14$
  - B.  $m \leq -14$
  - C.  $m \geq -13$
  - D.  $m \leq -13$
13. What is the image of 3 under the mapping  $x \rightarrow 3x + 7$ ?
- A. 10
  - B. 13
  - C. 16
  - D. 24
14. Simplify:  $4^4 \times 2^6$ .
- A.  $2^{10}$
  - B.  $2^{14}$
  - C.  $2^{15}$
  - D.  $2^{16}$
15. Find the slope of the line  $x - 2y = 11$ .
- A. -3
  - B.  $-\frac{1}{2}$
  - C.  $\frac{1}{2}$
  - D. 3
16. Mr Ntim travelled a distance of 3 km in 60 minutes. What distance can he cover in 50 minutes, travelling at the same time?
- A. 2.2 km
  - B. 2.5 km
  - C. 2.8 km
  - D. 3.2 km

The data shows the marks obtained by students in a class test:

21, 32, 16, 27, 22, 19, 10. Use the information to answer questions 17 and 18.

17. Find the median mark.
- A. 16
  - B. 19
  - C. 21
  - D. 22
18. Calculate the mean.
- A. 16
  - B. 19
  - C. 21
  - D. 22
19. There are 6 men and 4 women in an escalator. What is the probability that the **first** person that comes out is a woman?
- A.  $\frac{7}{10}$
  - B.  $\frac{1}{4}$
  - C.  $\frac{2}{5}$
  - D.  $\frac{3}{5}$
20. What is the area of a square whose diagonal is 14 cm?
- A.  $7 \text{ cm}^2$
  - B.  $28 \text{ cm}^2$
  - C.  $49 \text{ cm}^2$
  - D.  $98 \text{ cm}^2$
21. Factorize  $2x^2 + 4x + 3xy + 6y$  completely.
- A.  $(x + 2)(2x + 3y)$
  - B.  $(x + 2y)(2x + 3y)$
  - C.  $(x + 3y)(2x + 3y)$
  - D.  $(2x + y)(2x + 3y)$
22. Find the simple interest on GH¢ 2,448.00 invested for 2 years at a rate of  $2\frac{1}{2}$  % per annum.
- A. GH¢ 57.92
  - B. GH¢ 97.92
  - C. GH¢ 122.04
  - D. GH¢ 122.40

23. Find the image of the point  $(-1, 4)$  under the transformation  $\begin{pmatrix} x \\ y \end{pmatrix} \rightarrow \begin{pmatrix} 2x \\ -1+y \end{pmatrix}$ .
- A.  $(2, -3)$   
 B.  $(-3, 2)$   
 C.  $(-2, 3)$   
 D.  $(3, -2)$

24. Factorize:  $\frac{1}{2}ty^2 + \frac{1}{4}ty$ .

- A.  $\frac{1}{4}ty(y+1)$   
 B.  $\frac{1}{4}ty(2y+1)$   
 C.  $\frac{1}{2}ty(\frac{1}{2}y+1)$   
 D.  $\frac{1}{2}ty(y+1)$

25. If the price of a motor-cycle is increased by 40 % to GH¢ 14,000.00, find the price of the motor-cycle before the increase?

- A. GH¢ 7,200.00  
 B. GH¢ 8,400.00  
 C. GH¢ 9,260.00  
 D. GH¢ 10,000.00

26. Write down the rule for the mapping

$x$	1	2	3	4
$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$	$\downarrow$
$y$	1	5	9	13.

- A.  $x \rightarrow 2x + 3$   
 B.  $x \rightarrow 2x - 3$   
 C.  $x \rightarrow 4x - 3$   
 D.  $x \rightarrow 4x + 3$

27.  $A(3, 6)$  and  $B(2, -3)$  are points in the cartesian plane. Find the vector  $\vec{AB}$ .

- A.  $\begin{pmatrix} 1 \\ 9 \end{pmatrix}$   
 B.  $\begin{pmatrix} -1 \\ 9 \end{pmatrix}$   
 C.  $\begin{pmatrix} 1 \\ -9 \end{pmatrix}$   
 D.  $\begin{pmatrix} -1 \\ -9 \end{pmatrix}$

28. Kofi paid GH¢ 460.00 including 15% VAT for goods he bought from a shop. Find the VAT he paid.
- GH¢ 50.00
  - GH¢ 59.00
  - GH¢ 60.00
  - GH¢ 69.00

29. Find the  $y$ -intercept of the equation  $5x - 2y = 28$ .
- 14

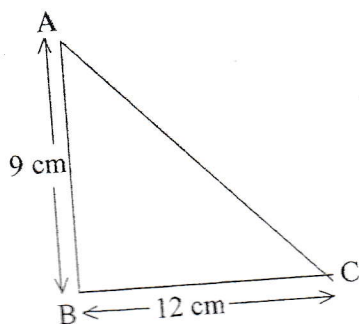
B.  $-\frac{5}{2}$

C.  $\frac{5}{2}$

D. 14

30. A car travels 480 km using 15 gallons of petrol. How many kilometers per gallon does it travel?
- 28 km/gallon
  - 30 km/gallon
  - 32 km/gallon
  - 35 km/gallon

31.



NOT DRAWN TO SCALE

In the diagram,  $ABC$  is a right-angle triangle with  $AB = 9$  cm and  $BC = 12$  cm. Find the length  $AC$ .

A. 8.0 cm

B. 10.0 cm

C. 15.0 cm

D. 21.0 cm

32. If the image of  $P$  under the translation vector  $\begin{pmatrix} 3 \\ 7 \end{pmatrix}$  is  $P^1(6, 8)$ , find the coordinates of  $P$ .

A. (9, 15)

B. (3, 1)

C. (-3, -1)

D. (-9, -15)

Turn over

33. Given that  $2^n = 32$ , find the value of  $n$ .
- A. 2
  - B. 3
  - C. 4
  - D. 5
34. A point  $Q(-4, 6)$  is rotated anticlockwise through  $180^\circ$ . Find the image  $Q_1$ .
- A.  $Q_1(-6, 4)$
  - B.  $Q_1(6, -4)$
  - C.  $Q_1(-4, -6)$
  - D.  $Q_1(4, -6)$
35. A school has 400 pupils of whom 160 are girls. What is the ratio of boys to girls?
- A. 2 : 5
  - B. 3 : 2
  - C. 5 : 2
  - D. 8 : 5
36. If  $x + 6 = -6$ , find the value of  $\frac{x}{4}$ .
- A. 3
  - B. -3
  - C.  $\frac{3}{2}$
  - D.  $-\frac{3}{2}$
37. Find the product of  $p^2qr$  and  $pq^4$ .
- A.  $p^3q^4r$
  - B.  $p^3q^5r$
  - C.  $p^2q^4r$
  - D.  $p^2q^4$
38. What is the value of 6 in 95.683?
- A. 6 ones
  - B. 6 tens
  - C. 6 tenths
  - D. 6 thousandths
39. If two parallel lines are cut by a transversal, the interior angles on the same side of the transversal are
- A. congruent.
  - B. vertical.
  - C. complementary.
  - D. supplementary.

40. Which of the following is arranged in descending order?
- A. -63, -24, 5, 18
  - B. -24, -63, 5, 18
  - C. 18, 5, -24, -63
  - D. -63, -24, 18, 5

***END OF PAPER***