

ANSWERS TO SOCIAL STUDIES WITH RELIGIOUS STUDIES

1. It is expensive.
2. President
3. To determine time.
4. Forests provide firewood used to smoke fish.
5. For protection.
6. Water and sewerage.
7. Mediterranean climate.
8. • It reduces animals in game parks.
• It can lead to extinction of some animal species.
9. • Loss of land to the project.
• It has led to their resettlement.
10. It experiences semi desert climate.
11. It is the major mining area of the country.
12. Lake Kariba
13. There are waterfalls and rapids.
14. • It is expensive.
• They do not have enough capital.
19. • It is too cold.
• Lies above the snow line.
15. Peace.
16. The discovery of gold at Witwatersrand and diamond at Kimberley.
17. When ones grandparents

- were natives of the country.
18. They cause rain in the areas they flow.
 20. Flat padded hooves.
 21. Ease movement of goods and people.
 22. Ensure security of people and their property.
 23. The exiling of Kabaka Muteesa II to Britain.
 24. Indian money lenders.
 25. By paying taxes.
 26. They preached against the evils of slave trade.
 27. Attacks by wild animals.
• Moving long distances.
 28. It provides information that enables farmers to plan for different seasons.
 29. Wanga kingdom
 30. Over grazing and deforestation.
 31. Jobs are created.
 32. Chiefs appointed by Germans during colonialism in Tanganyika.
 33. Algeria, Mali, Ghana and Burkina Faso.
 34. They feared to cross the thick forests and attacks by wild animals.
 35. Due to the overhead sun at the Equator.

36. Either: Namugongo and Jerusalem.
Or: Mecca and Medina.
37. Either: Abraham
Or: Ibrahim
38. Either: Kneeling down and bowing down.
Or:
39. Either: He created man in His image.
Or: He created man in His image.
40. Either: Repentance
Or: Repentance.
- 41.a) In order to get goods she does not produce and create market for her goods.
b) • Government policy
• Political stability
• Industrial development
• Good transport and communication systems
c) Lake Victoria.
- 42.a) It is when one is requested to vote on behalf of another person.
b) Impersonation, rigging, voter bribery and ballot stuffing.
c) Presiding officer.
- 43.a) Map

44. A Accra
B Rabat
C Tripoli
D Mogadishu
- 45.a) Ensure peace in the world.
b) United Nations Children's Fund (UNICEF)
c) Provides immunization services.
• Provides education services to the children.
• Provides food, clothes and medical care to children.
- 46.a) Never wanted to lose their powers to their colonial masters.
b) They were sent in exile and detained.
c) Use of collaborators, treaties and trading companies.
- 43.a) Agriculture
b) 80° c) Mining
d) Agro based industries.
47. a) Sir William MacKinnon
b) Trade, colonise and protect missionaries.
c) It ran bankrupt.
- 48.a) Stories of long ago.
b) Kintu and Nambi, Mundu and Sera and Gipiir and Labongo.
c) Archaeology, anthropol-

- ogy, linguistics and written records.
49. a) Portuguese
b) Ludwig Krapf
c) They suffered from tropical diseases, poor transport, attacks from wild animals, hostile tribes and language barriers.
 50. a) Forms natural boundary.
b) They are tourist attractions.
• They receive reliable rain and have fertile soil for farming.
 - c) High population
 51. Either: a) Joshua
b) It is where Moses received the ten commandments from.
c) He was his spokesman.
d) Canaan
Or: a) Haruna
b) He was a stammerer.
c) It is where the Holy Quran was revealed to Prophet Mohammed.
d) Zabur, Injir and Taure
 52. Either: a) Deliver God's message to people, Preach the word of God and foretell events.
b) i) perseverance ii) faith

- Or: a) Deliver God's message to people, preach the word of Allah and foretell events.
b) i) perseverance ii) faith
53. Either: a) Stories with hidden spiritual meanings.
b) In order for his followers to understand better and to confuse his enemies.
c) The sower, ten virgins, prodigal son and good samaritan.
 - Or: a) Mohammed, Musa, Dauda and Issa.
b) They enable them live according to Allah's will.
 54. Either: a) i) beginning of lent season.
ii) Jesus died on the cross.
iii) Jesus' triumphant entry to Jerusalem.
iv) Jesus went to heaven.
Or: a) i) Marks the end of the fasting period.
ii) remember when Ibrahim accepted to sacrifice his son Ismail.
b) i) Mohammed's journey to heaven.
ii) religious wars.
 - 55.a) Disagreement between two or more people.
b) Rumours / Selfishness

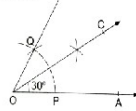
ANSWERS TO MATHEMATICS

1. $\frac{42}{+66} = \frac{108}{108}$
2. $p + 4p = 10$
 $5p = 10$
 $\frac{5p}{5} = \frac{10}{5}$ $p = 2$
3. $-4 - -6 = +2$
 $-4 + 6 = +2$
4. $5x + 7 - 1(2x - 3)$
 $5x + 7 - 1 \times 2x - -1 \times 3$
 $5x + 7 - 2x + 3$
 $5x - 2x + 7 + 3$
 $3x + 10$
5. $1m = 100cm$
 $2m = 2 \times 100cm$
 $= 200cm$
 $= 50cm = \frac{1}{4}$
 $\frac{200cm}{4} = 50cm$ $= 1:4$
6. 1, 3, 6, 10, 15, 21, 28, 36, 45
The 9th triangular number is 45
7. $\frac{5}{5} - \frac{3}{5} = \frac{2}{5}$
The probability of picking red sweet is $\frac{2}{5}$
2 parts repre 8 sweets
1 part will repre $\frac{8}{2} = 4$ sweets
5 parts will repre $5 \times 4 = 20$ sweets
The total number of sweets is 20
8. $x + 42^\circ = 180^\circ$
 $x + 42^\circ - 42^\circ = 180^\circ - 42^\circ$
 $x = 138^\circ$
9. $2x - y = (4x)$
 $\frac{2x}{2x} - \frac{y}{2x} = \frac{4x}{2x}$
 $= (y - 2)$
 $2x(y - 2)$
10. XIV = 10 + 4
 $= 14$
11. $k + 3m = 10m$
 $k + 3m - 3m = 10m - 3m$
 $k = 7m$
12. P = Circumference
 $44dm = 2\pi r$

- $44dm = 2 \times \frac{7}{2} \times \frac{22}{7} \times r$
-
- $7 \times 44dm = 2 \times 22 \times r$
-
- $7 \times 44dm = 2 \times 22 \times r$
-
- $2 \times 22 \times 2 \times 22$
-
- $7 \times 1dm = r$
-
- $r = 7dm$
-
- $A = \pi r^2$
-
- $= \frac{22}{7} \times 7dm \times 7dm$
-
- $= 154dm^2$
-
- $A = 22 \times 1dm \times 7dm$
-
- $= 154dm^2$
-
- 13.
- $npC = 2^n - 1$
-
- $7 = 2^n - 1$
-
- $7 + 1 = 2^n - 1 + 1$
-
- $8 = 2^n$
-
- but
- $8 = 2^3$
-
- $2^3 = 2^n$
-
- $2^3 + 2 = 2^n + 2$
-
- $3 = n // n = 3$
-
- There are 3 members
-
14. A - B or A only or B complement.
-
15. 1 revolution =
- 360°
-
- 3 revolutions =
- $3 \times 360^\circ$
-
- $= 1080^\circ$
-
- 16.
- $D = \frac{1}{2}\pi d + d$
-
- $\frac{1}{2} \times 22 \times 14cm + 14cm$
-
- $= 1 \times 22cm + 14cm$
-
- $= 36cm$
-
17. PF | No | No
-
- | | | |
|---|---|----|
| 2 | 8 | 12 |
| 2 | 4 | 6 |
| 2 | 2 | 3 |
| 3 | 1 | 3 |
-
- LCM =
- $2 \times 2 \times 2 \times 3 = 24$
-
- LCM + Rem
- $24 + 2 = 26$
-
- The least number of books is 26
-
- 18.
- $3(12 \div 6)$
-
- $2(2)$
-
- $= 2 \times 2 = 4$
-
19. Hr Min
-
- $11:15 + 60 = 75min$
-
- $- 8:45 = 75 - 45 = 30$
-
- $\frac{2}{2} \times \frac{30}{30} = 10 - 8 = 2$

The examination took 2 hours and 30 minutes or $2\frac{1}{2}$ hours.

20. Sketch



21. a) $n(S) = 83$
 $n(M) = 47$
 $n(R) = 40$
 $47 - 2k$
 $2k$
 $40 - 2k$
 6
b) $47 - 2k + 2k + 40 - 2k + 6 = 83$
 $47 + 40 - 2k + 6 = 83$
 $47 + 40 + 6 - 2k = 83$
 $(93 - 2k) = 83$
 $93 - 2k + 2k = 83 + 2k$
 $93 = 83 + 2k$
 $93 - 83 = 83 - 83 + 2k$
 $10 = 2k$
 $\frac{10}{2} = \frac{2k}{2}$
 $5 = k //$
 $k = 5$
22. First son got $\frac{2}{3}$
 $1 - \frac{2}{3} = \frac{3}{3} - \frac{2}{3} = \frac{1}{3}$
 $= \frac{1}{3}$ of $\frac{1}{3} = \frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$
Second born got $\frac{1}{12}$
 $\frac{2}{3} + \frac{1}{12} = \frac{4}{12} + \frac{1}{12} = \frac{5}{12}$
 $\frac{3}{12} + \frac{1}{12} = \frac{4}{12} = \frac{1}{3}$
 $= \frac{8}{12} + \frac{1}{12} = \frac{9}{12} = \frac{3}{4}$
 $1 - \frac{3}{4} = \frac{4}{4} - \frac{3}{4} = \frac{1}{4}$
The rest is represented by $\frac{1}{4}$
 $-\frac{1}{4}$ was given to the third born
If $\frac{1}{4}$ repre sh. 18,000
Then $\frac{1}{9}$ will repre?
 $4 \times \text{sh. } 18,000$
 $1 = \text{sh. } 72,000$
23.

1st	2nd	3rd	sum
y - 4	y - 2	y	45

- $y - 4 + y - 2 + y = 45$
 $(y + y + y) - 4 - 12 = 45$
 $3y - 6 + 6 = 45 + 6$
 $3y = \frac{51}{3}$
 $y = 17$
a) $y - 4 = 17 - 4$
 $= 13$
 $y - 2 = 17 - 2$
 $= 15$
The numbers are 13, 15 and 17
b) $R = H - L$
 $= 17 - 13$
 $= 4$
24. Rice:
 $2 \times \text{sh. } 2000 = \text{sh. } 4000$
Meat: $1\frac{1}{2} \times \text{sh. } 10,000$
 $= 3 \times \text{sh. } 10,000$
 $= 3 \times \text{sh. } 5000 = \text{sh. } 15,000$
Bread: $3 \times \text{sh. } 5000$
 $= \text{sh. } 15,000$
Total: sh. 4000
sh. 14,000
+ sh. 15,000
sh. 34,000
b) Change = Amount - Expen
 $= \text{sh. } 50,000$
 $- \text{sh. } 34,000$
sh. 16,000
25. I = PTR
 $A = P + I$
 $A = P + PTR$
sh. 120,000 = $P + p \times 2 \times 10\%$
sh. 120,000 = $P + P \times 2 \times \frac{10}{100}$
sh. 120,000 = $P + \frac{P \times 1 \times 1}{5}$
sh. 120,000 $\times 5 = 5 \times P + \frac{P \times 5}{5}$
sh. 120,000 $\times 5 = 5p + p$
sh. 120,000 $\times 5 = 6p$
sh. 120,000 $\times 5 = \frac{6p}{6}$
sh. 20000 $\times 5 = P$
sh. 100,000 = $P/P = \text{sh. } 100,000$
He deposited sh. 100,000
26. $P = 60^\circ \pi r + r + r$
 360°

- $= \frac{1}{6} \times \frac{22}{7} \times 2 \times 21cm + 21cm + 21cm$
 $= \frac{1}{6} \times 22 \times 6cm + 42cm$
 $= 22 \times 1cm + 42cm$
 $= 22cm + 42cm$
 $= 64cm$
b) Arc AB = $\frac{60^\circ \pi r^2}{360^\circ}$
 $= \frac{60^\circ \times 22 \times 2 \times 21cm}{360^\circ \times 7}$
 $= \frac{1}{6} \times 22 \times 6cm$
 $= 22 \times 1cm = 22cm$
27. a) $2(2p - 5) - 3(2 - p) = -6$
 $2 \times 2p - 2 \times 5 - 3 \times 1 - -3 \times p$
 $= -6$
 $4p - 10 - 3 + 3p = -6$
 $(4p + 3p) - 10 - 3 = -6$
 $7p - 13 = -6$
 $7p - 13 + 13 = -6 + 13$
 $7p = 7$
 $\frac{7p}{7} = \frac{7}{7}$
 $p = 1$
b)

Namukasa	Magezi
30 years	30yr + 14yrs

Total = 30 years
 $+ 4 \times 4 \text{ years}$
 $= 7 \times 4 \text{ years}$
28. Let the interior angle be m

ext	int	sum
$\frac{1}{3}m$	m	180°

 $= \frac{1}{3}m + m = 180^\circ$
 $3 \times \frac{1}{3}m + 3 \times m = 180^\circ \times 3$
 $m + 3m = 180^\circ \times 3$
 $4m = 180^\circ \times 3$
 $m = \frac{45^\circ \times 3}{4}$
 $m = 135^\circ$
 $\text{ext} = 180^\circ - 135^\circ$
 $= 45^\circ$
b) No of sides = $\frac{360^\circ}{\text{ext}}$

- $= \frac{360^\circ}{45^\circ} = 8 \text{ sides}$
c) $\text{int} \times \text{sum} = \text{int} \times \text{No of sides}$
 $= 135^\circ \times 8$
 $= 1280^\circ$
29.

10^3	10^2	10^1	10^0	10^{-1}	10^{-2}
3	4	6	2	4	5

 $= 3 \times 10^3 + 4 \times 10^2 + 6 \times 10^1 + 2 \times 10^0 + 4 \times 10^{-1} + 5 \times 10^{-2}$
 $= 3000 + 400 + 60 + 2 + 0.4 + 0.05$
b) T O Tth Hdth
4 6 . 2 3
Hunfredths
c) Th H T O
2 4 7 8 Two thousand four hundred seventy eight
30. sketch

b) B = 4.5cm
Accept 4.4cm & 4.6cm
31. a) $T = D \div S$
 $= 200km \div 199km$
 $= 200km$
 $\frac{200km}{4hr} = 50km/hr$
b) $S = D \div T$
 $= \frac{200km}{4hr} = 50km/hr$
32. a) $20 - 90 = 30$
30 pupils were absent
b) $120 - 60 = 60$
60 pupils were present on Friday
c) $120 - 50 = 70$
70 pupils were present on Monday
d) $50 + 30 + 110 + 0 + 60 = 300$
300 pupils were absent throughout the week